

COPY

Response to Request for Qualifications

Professional Engineering Services Contracts
for City of North Port Utilities Department

RFQ No. 2020-58



July 20, 2020

Prepared by: AREHNA Engineering, Inc.
5012 W Lemon Street
Tampa, Florida 33609
Website: www.arenha.com

Point of Contact: Jessica McRory, PE, President
Office: 813-944-3464
Fax: 813-944-4959
Cell: 813-758-4465
Email: jmcrory@arenha.com





Table of Contents

Firm Name: AREHNA Engineering, Inc.
Project: Professional Engineering Services Contracts for City of North Port Utilities Department
RFQ: RFQ No. 2020-58

	<u>Page No.</u>
Tab 1 Transmittal Letter.....	1
Tab 2 Qualifications of the Firm.....	3
Tab 3 Key Personnel/Qualifications of the Team.....	7
Tab 4 Team’s Previous Experience/Proficiency in Similar Projects/Programs	15
Tab 5 Management Approach/Project Control	16
Tab 6 References	21
Tab 7 Litigation and Insurance	23
Tab 8 Additional Information	25
Tab 9 Submission Requirements and Required Submittal Forms.....	28

Page numbers exclude the designated SF330 and other required forms as outlined in the RFP.



TAB 1 | TRANSMITTAL LETTER

July 20, 2020

Prepared Exclusively For:



Ms. Ginny Duyn, CPPB, Senior Purchasing Administrator
City of North Port
4970 City Hall Boulevard, Suite 337
North Port, Florida 34286

**Subject: Statement of Qualifications
Professional Engineering Services Contracts for City of North Port Utilities Department
Category 5 – Geotechnical
RFQ No: 2020-58**

Dear Ms. Duyn,

On behalf of AREHNA Engineering, we are pleased to submit our response to your Request for Qualifications for Professional Engineering Services Contracts for City of North Port Utilities Department. We are submitting in response to **Category 5 – Geotechnical**. The scope in the contract aligns perfectly with AREHNA’s expertise and experience on similar contracts for General Engineering Professional Services.

AREHNA’s experience spans thousands of geotechnical projects, including elements related to buildings, roadways, bridges, airports, power plants and distribution facilities, water and wastewater treatment plants, utilities and other City, County and State projects. AREHNA’s highly qualified professionals are experts in a wide variety of testing methods to provide the best geotechnical solution for each project.

AREHNA offers a staff of highly qualified professionals that are extremely knowledgeable in the areas of expertise required for this contract. In addition to geotechnical and materials testing, AREHNA has a specific expertise with sinkhole related investigations. All proposed key staff have managed and successfully executed miscellaneous services contracts for City and County governments. AREHNA, prequalified in FDOT Work Groups: 9.1, 9.2, 9.3, 9.4.1, 9.4.2, 9.5 and 10.3, has a full service geotechnical and construction materials testing laboratory, which is AASHTO accredited, USACE validated and FDOT approved. AREHNA’s in-house drilling and coring capabilities gives us control of our schedule and the ability to meet the most aggressive project timetables.

GEOTECHNICAL ENGINEERING SERVICES

AREHNA provides full service geotechnical engineering including analysis for foundation (shallow and deep foundations) and retaining wall design, site development, ground improvement, and geotechnical support of drainage, pond and pavement design. AREHNA’s highly qualified professionals are skilled in a wide variety of exploration techniques.

- | | | |
|-------------------------------------|------------------------------------|-----------------------|
| ✓ Standard Penetration Test borings | ✓ Pavement Cores | ✓ Percolation Testing |
| ✓ Rock Coring | ✓ Penetrometer Soundings | ✓ Test Pits |
| ✓ Auger Borings | ✓ Subaqueous Sampling | |
| ✓ Seasonal High Ground Water Levels | ✓ Double Ring Infiltration Testing | |

CONSTRUCTION MATERIALS TESTING AND INSPECTION

When a project enters the construction phase, AREHNA is ready to support the project with inspections, observations, and field testing. Our experienced engineering technicians are ACI and CTQP/FDOT certified and we provide the following services in-house:

- ✓ Soil and Aggregate Testing
- ✓ Concrete, Grout and Soil Cement
- ✓ Asphalt Testing and Inspection
- ✓ Monitoring and Inspection

We have reviewed the contract requirements and our engineers have extensive experience performing geotechnical and materials testing and a variety of inspection services on contracts of similar size, scope, and complexity. We have listed a few reasons why we believe AREHNA is a preferred choice to assist the City with successful execution of this contract:

- ✓ **Accomplished Experience** – AREHNA’s key staff have successfully completed similar services for various clients and bring a proven track record of delivering high-quality services on-time and on-budget. We understand the dynamics of task order contracts of this nature and believe one of our greatest strengths lies in our ability to partner with our Clients for their success.
- ✓ **Responsive, In-house Capabilities** – AREHNA provides the depth of technical qualifications needed to successfully execute the services required under this contract. In-house drilling, coring and AASHTO accredited laboratory services enable us to be responsive to the most aggressive schedules.
- ✓ **Organized Project Management** - We take an organized approach to managing our projects. Many of the contracts that AREHNA currently holds have extremely aggressive schedules. AREHNA has developed an internal infrastructure to ensure that our quality standards are maintained while delivering reports on time.

Jessica McRory will serve as the main point of contact for this contract. As the President, she has the authority to legally bind the firm. We have reviewed the terms and conditions outlined in the RFQ document and agrees to be bound by the submittal without modification. AREHNA has no conflicts to fully executing geotechnical services under this contract. AREHNA is a drug-free workplace and we have an established program in place. Headquartered in Hillsborough County, we are a registered woman-owned business registered with the Florida Office of Supplier Diversity and Florida Department of Transportation; as well as several other local agencies. Our key team members are committed to this contract for the full term of the contract.

We appreciate your consideration for this contract and are excited to have the opportunity to serve the City of North Port. If you have any questions regarding our submittal, please do not hesitate to contact us.

Respectfully Submitted,
AREHNA Engineering, Inc.


Jessica A. McRory, PE
President


Amanda S. Pereira, PE
Construction Services Task Manager

TAB 2 | QUALIFICATIONS OF THE FIRM

QUALIFICATIONS OF THE FIRM

INTRODUCTION

AREHNA Engineering, Inc. provides innovative and comprehensive geotechnical engineering and materials testing and inspection services. The firm is founded on the core principles of providing quality service, technical expertise, responsiveness and value to our clients. Our project experience includes thousands of engineering projects, including elements related to sites with roadways, stormwater facilities, bridges, airports, power plants and distribution facilities, military facilities, wastewater treatment plants, utilities and other public-sector and municipal facilities. AREHNA was established in 2009 and is a woman-owned business registered with the State and local agencies.



AREHNA’s Team offers a staff of highly qualified professionals that are extremely knowledgeable in the areas of expertise required for this contract. In addition of geotechnical and materials testing, AREHNA has a specific expertise with sinkhole related investigations. All of the proposed key staff have managed and successfully executed miscellaneous services contracts for City and County governments. AREHNA, prequalified in FDOT Work Groups: 9.1, 9.2, 9.3, 9.4.1, 9.4.2, 9.5 and 10.3, has a full service geotechnical and construction materials testing laboratory, which is AASHTO accredited, USACE validated and FDOT approved. AREHNA’s in-house drilling and coring capabilities gives us control of our schedule and the ability to meet the most aggressive project schedules.

Number of years providing professional Geotechnical Services: AREHNA has been in business for 11.5 years.

Business Structure: Florida Corporation, registered with the State

Minority Status: Woman-owned Business certified with the State of Florida Office of Supplier Diversity Company Info.

Company Info: AREHNA Engineering, Inc.
5012 W. Lemon Street
Tampa, FL 33609
Phone: 813-944-3464
Fax: 813-944-4959
Web: www.arehna.com

Contact: Jessica McRory
Email: jmcrory@arehna.com
Cell: 813-758-446

ABILITY OF FIRM The following outlines qualification to execute geotechnical services under this contract. reports, studies, soil exploration, geotechnical engineering services and construction support, inspection and materials testing services.



GEOTECHNICAL ENGINEERING SERVICES

Geotechnical services commence with project planning and design and extends into construction. Thorough geotechnical exploration is fundamental to the planning of site development and design of structures, utilities and roadways. AREHNA provides full service geotechnical engineering including analysis for foundation (shallow and deep foundations) and retaining wall design, site development, ground improvement, and geotechnical support of drainage, pond and pavement design. AREHNA’s highly qualified professionals are skilled in a wide variety of exploration techniques.

AREHNA has experienced, in-house drilling capabilities and 3 drill rigs, allowing us the flexibility to control the schedule and minimize costs. The following field services are routinely performed on similar contracts:

- ✓ Standard Penetration Test borings
- ✓ Rock Coring
- ✓ Auger Borings
- ✓ Seasonal High Ground Water Levels
- ✓ Pavement Cores
- ✓ Penetrometer Soundings
- ✓ Subaqueous Sampling
- ✓ Double Ring Infiltration Testing
- ✓ Percolation Testing
- ✓ Test Pits

CONSTRUCTION MATERIALS TESTING AND INSPECTION

When a project enters the construction phase, our team is ready to support the project with inspections, observations, and field testing. We locally perform the tests listed in the scope of work in the RFQ and several others as well. Our experienced engineering technicians are ACI and CTQP/FDOT certified.

- **Soil and Aggregate Testing** - Proctor, LBR, CBR, density testing, property testing, sieve analysis, organic testing, Atterberg testing, corrosion series testing, permeability testing, LA abrasion, etc.
- **Concrete, Grout and Soil Cement** - Sampling and sample preparation, compressive strength testing, beam testing, air content and slump testing, rebound hammer, soil-cement stabilization mix design etc.
- **Asphalt Testing and Inspection** - Bulk specific gravity, density testing, extraction, gradation, RICE (maximum specific gravity testing), test strips core characterization, etc.



Monitoring and Inspection - We have extensive experience with the following services:

- CE&I Inspections
- Compaction and Chemical Grout Monitoring
- Augercast Pile Monitoring
- Vibro-Replacement Monitoring
- Post-Tensioned Concrete Monitoring
- Foundation Excavation Inspection
- Drilled Shaft Monitoring
- Pile Driving Monitoring
- Load Test Monitoring
- Soil Anchors Monitoring
- Vibration Monitoring
- Asphalt Plant Inspection

AREHNA’s laboratory is FDOT approved, USACE validated, AASHTO accredited inspected by AMRL, and CCRL. AREHNA participates in the AASHTO Proficiency Sample Program. Our laboratory is AASHTO R18, ASTM E329, C1077, D3666 and D3740 accredited.

COMPANY CREDENTIALS

Occupational License, Certificate of Status, Florida Board of Professional Engineers, Minority Woman Business Enterprise (MBE) Office of Supplier Diversity State of Florida, (DBE) Florida Department of Transportation

**State of Florida
Department of State**

I certify from the records of this office that AREHNA ENGINEERING INC. is a corporation organized under the laws of the State of Florida, filed on December 24, 2008, effective January 1, 2009.

The document number of this corporation is P08000110763.

I further certify that said corporation has paid all fees due this office through December 31, 2020, that its most recent annual report/uniform business report was filed on January 9, 2020, 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, 2020



Jonathan R. Satter
Secretary of State

Tracking Number: 9260576778CC

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

<https://services.numbiz.org/Filing/CertificateOfStatus/CertificateAuthentication>

RICK SCOTT, GOVERNOR JONATHAN ZACHEM, SECRETARY

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

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

AREHNA ENGINEERING, INC.
5012 W. LEMON STREET
TAMPA, FL 33609

LICENSE NUMBER: CA28410
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.

State of Florida
Woman Business Certification

AREHNA Engineering, Inc.

Is certified under the provisions of 287 and 295.187, Florida Statutes, for a period from:

10/24/2019 to 10/24/2021

Jonathan R. Satter
Jonathan R. Satter, Secretary
Florida Department of Management Services



Office of Supplier Diversity
4050 Espinade Way, Suite 300
Tallahassee, FL 32399
850-487-0915
www.dms.myfloridacost.com

2019 - 2020	HILLSBOROUGH COUNTY BUSINESS TAX RECEIPT	EXPIRES SEPTEMBER 30, 2020	ACCOUNT NO: 242755
OCC. CODE 280.065081	TESTING LABORATORY	10 Employees	RENEWAL:
BUSINESS AREHNA ENGINEERING INC 5012 W LEMON ST TAMPA, FL 33609			Receipt Fee 54.00 Hazardous Waste Surcharge 40.00 Law Library Fee 0.00
NAME AREHNA ENGINEERING INC 5012 W LEMON ST TAMPA, FL 33609			
MAILING ADDRESS		Paid 18-0-337325 08/12/2019 94.00	
BUSINESS TAX RECEIPT		DOUG BELDEN, TAX COLLECTOR 813-635-6200	
<small>HAS HENRY PAID A PERSONAL TAX TO TREASURY IN BUSINESS, PROFESSIONAL, OR OCCUPATION ARTS OF 13-180004</small>		<small>THIS BECOMES A TAX RECEIPT WHEN VALIDATED.</small>	

2019 - 2020

LABORATORY CERTIFICATIONS

FDOT Approved Laboratory 107022 – AREHNA Engineering, Inc.			
5012 West Lemon Street Tampa, FLORIDA 33609		Amanda Pereira (813) 944-3464 apereira@arehna.com	(813) 944-4959 apereira@arehna.com
Aggregate	Test Method	Status	Qualifying Agency
	AASHTO T 21	Valid	AAP
	AASHTO T 255	Valid	AAP
	AASHTO T 27	Valid	AAP
	FM 1-T 011	Valid	AAP
	FM 1-T 084	Valid	AAP
	FM 1-T 085	Valid	AAP
Asphalt	Test Method	Status	Qualifying Agency
	FM 1-T 030	Valid	AAP
	FM 1-T 166	Valid	AAP
	FM 1-T 209	Valid	AAP
	FM 5-563	Valid	AAP
Physical	Test Method	Status	Qualifying Agency
	ASTM C1231	Valid	AAP
	ASTM C39	Valid	AAP
	ASTM C511	Valid	AAP
	ASTM C617	Valid	AAP
Soils	Test Method	Status	Qualifying Agency
	AASHTO R 58	Valid	AAP
	AASHTO T 100	Valid	AAP
	AASHTO T 265	Valid	AAP
	AASHTO T 88	Valid	CMEC
	AASHTO T 89	Valid	AAP
	AASHTO T 90	Valid	AAP
	AASHTO T 99	Valid	AAP
	FM 1-T 180	Valid	AAP
	FM 1-T 267	Valid	AAP
	FM 5-515	Valid	AAP

AGGREGATE

- Aggregate - C 40 - Opt - Organic Impurities
- Aggregate - D 75 - Opt - Sampling
- Aggregate - C 117 - Req - Material Finer than 75 µm (No. 200) Sieve
- Aggregate - C 127 - Req - Specific Gravity & Absorption in Coarse Aggregate
- Aggregate - C 128 - Req - Specific Gravity & Absorption in Fine Aggregate
- Aggregate - C 136 - Req - Sieve Analysis of Aggregate
- Aggregate - E 329 - Opt - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
- Aggregate - C 565 - Opt - Total Moisture Content
- Aggregate - C 302 - Opt - Reducing Samples to Testing Size
- Aggregate - C 1077 - Opt - Concrete and Concrete Aggregate Testing Standards (Quality Standards)
- Aggregate - D 3665 - Opt - Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials

BITUMINOUS

- Bituminous - E 329 - Opt - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
- Bituminous - D 2726 - Req - Bulk Specific Gravity and Density
- Bituminous - D 3666 - Opt - Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials
- Bituminous - D 5444 - Req - Mechanical Size Analysis of Extracted Aggregate
- Bituminous - D 6307 - Req - Asphalt Content of Hot Mix Asphalt by Ignition Method

CONCRETE

- Concrete - C 31 - Req - Making and Curing Test Specimens in the Field
- Concrete - C 39 - Req - Compressive Strength of Cylindrical Specimens
- Concrete - C 138 - Req - Unit Weight and Air Content by Gravimetric
- Concrete - C 143 - Req - Slump
- Concrete - C 172 - Req - Sampling
- Concrete - C 173 - Req - Air Content by Volumetric ***required if C231 not performed***
- Concrete - C 231 - Req - Air Content by Pressure ***required if C173 not performed***
- Concrete - E 329 - Opt - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
- Concrete - C 511 - Opt - Moist Cabinets, Moist Rooms, Water Storage Tanks
- Concrete - C 617 - Opt - Capping Cylindrical Specimens
- Concrete - C 1064 - Req - Temperature of Concrete
- Concrete - C 1077 - Opt - Concrete and Concrete Aggregate Testing Standards (Quality Standards)
- Concrete - C 1231 - Opt - Unbonded Caps

SOILS

- Soils - E 329 - Opt - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
- Soils - D 421 - Req - Dry Preparation for Particle Size Distribution & Soil Constants
- Soils - D 422 - Req - Particle Size Analysis
- Soils - D 580 - Req - Compaction Characteristics by Standard Effort
- Soils - D 1180 - Req - Moister finer than 20 µm (No. 200) Sieve
- Soils - D 1555 - Req - Density & Unit Weight by Sand Cone
- Soils - D 1557 - Req - Compaction Characteristics by Modified Effort
- Soils - D 1803 - Req - CA Bearing Ratio (CBR)
- Soils - D 2216 - Req - Water Content
- Soils - D 2487 - Req - Classification of Soils
- Soils - D 2488 - Req - Description & Identification of Soils (Visual-Manual Procedure)
- Soils - D 2574 - Req - Moisture, Ash, & Organic Matter of Peat & Other Organic Soils
- Soils - D 3740 - Opt - Soil and Rock Testing Standards (Quality Standard)
- Soils - D 4318 - Req - Liquid & Plastic Limits & Plasticity Index
- Soils - D 4944 - Opt - Field Moisture Content of Soil by Calcium Carbide Gas Pressure Tester
- Soils - D 6913 - Req - Particle-Size Distribution of Soils Using Sieve Analysis
- Soils - D 6938 - Req - Density and Water Content by Shallow Depth Nuclear Method



ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

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

Professional Engineering Services Contracts for City of North Port Utilities Department
North Port, Florida

2. PUBLIC NOTICE DATE:
6/17/2020

3. SOLICITATION OR PROJECT NUMBER:
RFQ No.: 2020-58

B. ARCHITECT-ENGINEER POINT OF CONTACT



4. NAME AND TITLE: Jessica McRory, PE
NAME OF FIRM: **AREHNA Engineering, Inc.**

4. TELEPHONE NUMBER:
813-944-3464

5. FAX NUMBER:
813-944-4959

6. E-MAIL ADDRESS:
jmcroory@arehna.com

C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

	(Check)			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V PARTNER	SUBCON-TRACTOR			
a.	<input checked="" type="checkbox"/>			AREHNA Engineering, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	5012 W Lemon Street Tampa, FL 33609	Geotechnical Engineering & Materials Testing
b.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
c.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
d.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
e.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
f.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

ARCHITECT ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)
RSQ-2020-058

PART II - GENERAL QUALIFICATIONS

2a. FIRM (OR BRANCH OFFICE) NAME AREHNA Engineering, Inc.			3. YEAR ESTABLISHED 2009	4. DUNS NUMBER 8304133303
2b. STREET 5012 W. Lemon Street			5. OWNERSHIP	
2c. CITY Tampa			2d. STATE Florida	2e. ZIP CODE 33609
6a. POINT OF CONTACT NAME AND TITLE Jessica McRory, PE, LEED AP, President			a. TYPE Corporation	
6b. TELEPHONE NUMBER 813-944-3464		6c. E-MAIL ADDRESS jmcroly@arehna.com		b. SMALL BUSINESS STATUS MBE, DBE, WMBE, DW/DMBE
8a. FORMER FIRM NAME(S) (if any) Not Applicable			8b. YR. ESTABLISHED Not Applicable	8c. DUNS NUMBER Not Applicable

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
27	Foundation/Geotechnical Engineer	8		S05	Soils and Geologic Studies: Foundations	6
57	Structural Engineer	4				
58	Technician/Analyst	9				
15	Construction Inspector	16				
02	Administrative	5				
08	CADD Technician	2				
	Other Employees					
Total		44				

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

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

a. SIGNATURE 	b. DATE 7/15/2020
c. NAME AND TITLE: Jessica McRory, President	

TAB 3 | QUALIFICATIONS OF THE FIRM

PROJECT TEAM AND QUALIFICATIONS

Our engineers have many years of geotechnical engineering and materials testing experience on contracts very similar to this one. Our staff understands the dynamic of successfully executing miscellaneous services contracts. The AREHNA Team will be led by Jessica McRory, PE who will serve as Project Manager. The following is a brief introduction to key members of our team:



Jessica A. McRory, PE, LEED AP, Project Manager

Ms. McRory has managed the geotechnical aspects of testing, design and construction for over 1,000 engineering projects in the past 16 years. Her involvement has included analysis and evaluation of soil conditions pertaining to proposed construction and ongoing construction projects. Project experience has ranged from major FDOT contracts to single-family residences. Other responsibilities have included coordinating geotechnical field and laboratory testing, as well as construction materials testing services. Evaluations have included soil and groundwater conditions, determining soil bearing capacity and consolidation characteristics and analyzing the performance of various types of foundation systems. Ms. McRory has provided recommendations for shallow foundations, various ground improvement techniques and deep foundation systems including driven piles, drilled shafts and auger cast piles.



Amanda S. Pereira PE, Materials Testing Task Manager

Ms. Pereira has over 24 years of progressive experience in the fields of geotechnical engineering and construction material testing and inspection. Her experience includes coordination and oversight of subsurface explorations, geotechnical report preparation, shallow and deep foundation inspections and testing, multi-story threshold inspections, review, quality control and reporting of field and laboratory testing for soils, concrete, asphalt and structural steel during the construction phase on a variety of projects. Her experience has been gained both in the public and private sector on a variety of infrastructure projects including urban and rural roadways, airports, water and wastewater facilities, pipelines, commercial and private buildings, subdivisions, site suitability and due diligence studies and commercial sites.



Kristina LaCava, PE, Geotechnical Task Manager

Ms. LaCava has over 12 years of geotechnical and materials engineering experience. Experience includes design and construction oversight of residential, commercial, municipal, and transportation projects. Ms. LaCava has provided design recommendations, construction considerations and construction oversight for shallow foundations including isolated, continuous and monolithic systems; deep foundations including driven pile systems, drilled shafts, micro-piles and helical anchors; soil remediation including compaction grouting and chemical grouting; ponds including pond liner oversight; pavement sections and earthwork construction.



Kirk M. Eastman, PE, Senior Geotechnical Engineer, Contract QA/QC

Mr. Eastman has 27 years of experience in the field of geotechnical engineering. He has managed multiple FDOT District Wide Contracts for Districts 1 and 7 over a 21-year period. He has also served as project manager for multiple major projects. His experience includes roadway, bridge, pond and retaining wall projects where he has performed shallow and deep foundation analyses including driven piles, settlement and slope stability analyses. He has also worked on vibration monitoring projects and performed numerous ground subsidence studies.



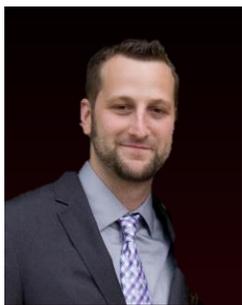
Joseph E. Prendergast, PE, Senior Principal Geotechnical Engineer

Mr. Prendergast has over three decades of project management and engineering experience. He began his career as a Civil Engineer Officer in the United States Air Force in 1979, during which time he received a M.S. in Civil Engineering from the Georgia Institute of Technology. Among his assignments, Mr. Prendergast has performed numerous pavement evaluations at multiple Air Force and Dept. of Defense Installations across the US and worldwide. Later, he worked for private engineering consulting firms, where he performed over 1,000 geotechnical explorations. He has performed subsurface explorations for numerous commercial and government clients, as well as planned and directed field and laboratory testing activities. Areas of expertise include the geotechnical aspects of foundation, retaining wall, pavement, and storm water pond design, as well as analysis of Florida sinkhole conditions. Mr. Prendergast is a Neutral Evaluator for the State of Florida.



Sonia R. Florence, PE, Senior Geotechnical Engineer

Ms. Florence has over 21 years of geotechnical engineering experience. As a Senior Professional Engineer, her duties have included technical review, as well as project management and analyses for a wide variety of geotechnical studies for both public and private clients. Throughout her career, she has maintained a special focus on providing geotechnical consulting for roadway construction and widening for the Florida Department of Transportation (FDOT), municipalities and counties. Ms. Florence has provided recommendations for shallow foundations, ground improvement programs, driven piles, drilled shafts and auger cast piles. Her experience includes Phase I Environmental Site Assessments for commercial developments. In addition, Ms. Florence has extensive experience in data evaluation for sinkhole studies.



G. Stephen Long, PE, Geotechnical & Materials Engineer

Mr. Long served as an Intelligence Analyst in the United States Army, then began his career as a project engineer in 2013 after graduating with his BSCE. Mr. Long’s experience includes coordination and oversight of subsurface exploration and geotechnical report preparation in the public and private sector. His experience in materials testing has ranged from threshold inspections and field and lab testing of soils, concrete and asphalt to review, quality control and reporting of field and lab testing during the construction phase on a variety of projects. Mr. Long has extensive laboratory testing experience, including modified proctor testing, grain size analysis testing, Limerock Bearing Ratio (LBR) testing, organic content testing, corrosion testing, soil permeability testing & consolidation testing.

STAFF CAPABILITIES

Our engineers have many years of geotechnical engineering and materials testing experience on contracts very similar to this one. Our staff understands the dynamic of successfully executing miscellaneous services contracts.

KEY LEADERSHIP

Ms. McRory will serve as the Project Manager and the City’s single point of contact for this contract. She has over 16 years of experience and has successfully managed similar PRIME contracts for Pinellas County, FDOT, City of Tarpon Springs, City of Tampa, Hillsborough County, City of St. Petersburg, Tampa Bay Water and Tampa Electric Company. Her background in the technical aspects of geotechnical field investigation and design, and construction materials testing, along with her project management experience make her the ideal Project Manager for this contract. A detailed resume for Ms. McRory is presented later in this section.

In anticipation of the variety of potential work tasks under this contract, we have created 2 task teams to efficiently support the contract: Geotechnical and Construction Materials Testing. A task lead has been identified to lead each team.

GEOTECHNICAL ENGINEERING

Ms. LaCava will serve as the task manager for geotechnical related tasks. She brings over 12 years of geotechnical knowledge and experience to the AREHNA Team. Her experience includes roadway, bridge, retaining walls, retention ponds and ground subsidence studies where she has performed shallow and deep foundation analyses, retaining wall and soil anchor system design, settlement and slope stability analyses, and pavement evaluation.

MATERIALS TESTING

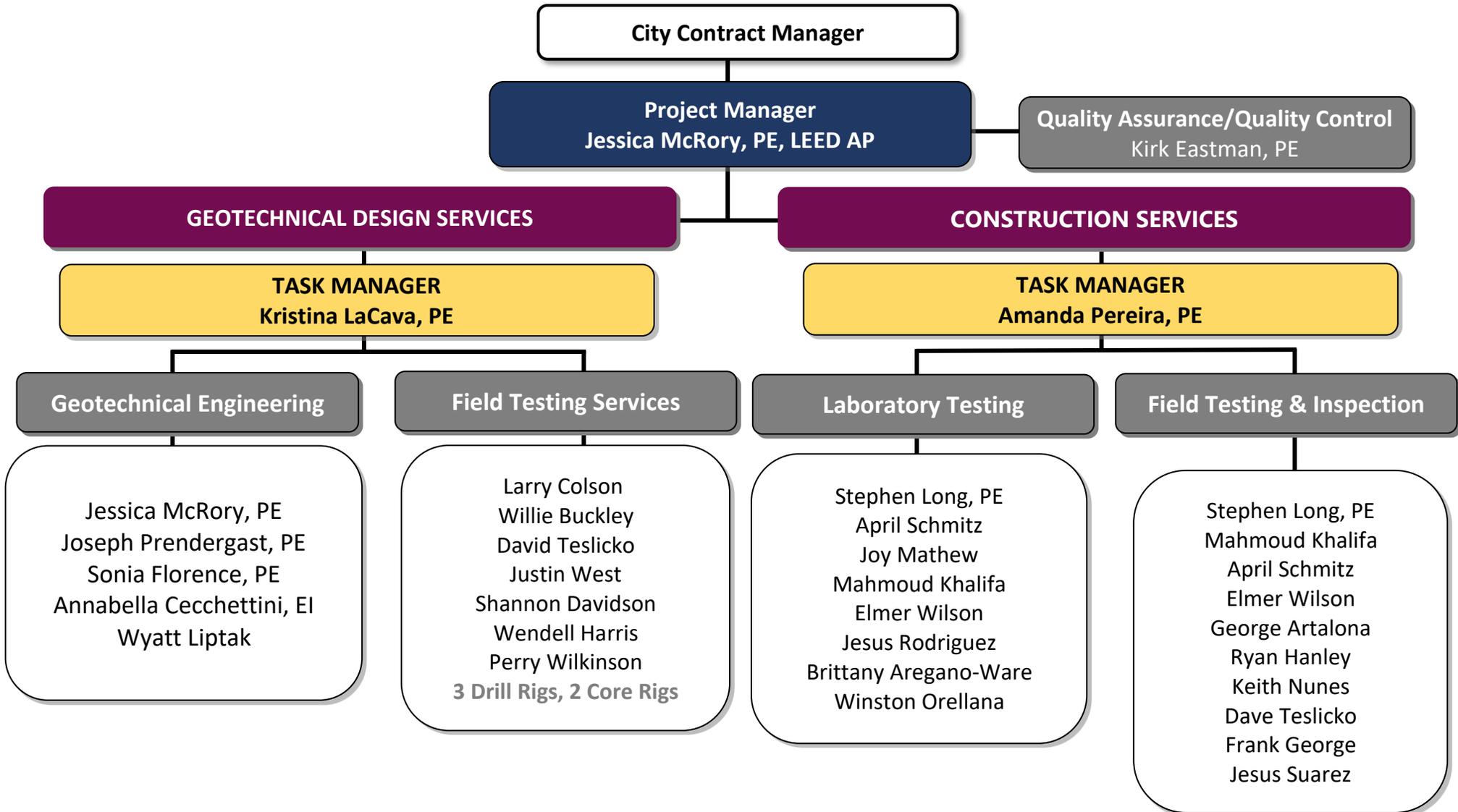
Ms. Pereira will serve as the task manager for all construction field and laboratory testing and inspection services under this contract. Ms. Pereira has over 24 years of progressive experience in the fields of geotechnical engineering and construction material testing and inspection. She has extensive experience managing materials testing services on a variety of infrastructure improvements including task-based contracts such as this contract for the City.

Service	Key Staff	Role/Experience	% Availability
Project Management	Jessica McRory, PE	Project Manager	85%
Geotechnical Engineering	Kristina LaCava, PE	Task Lead Geotechnical Services	85%
	Kirk Eastman, PE	Senior Project Engineer/QA/QC	75%
	Sonia R. Florence, PE	Senior Geotechnical Engineer	80%
	Joseph Prendergast, PE	Senior Geotechnical Engineer	60%
	Larry Colson	Utility Coordinator	50%
Construction Materials Testing & Inspection	Amanda S. Pereira, PE	Task Lead Construction Services	70%
	Stephen Long, PE	CMT Engineer	75%
	April Schmitz	Materials Testing/Laboratory Manager	50%
	Joy Matthew	Laboratory Manager	65%

The following pages show our company organizational structure and provides our certifications and licenses to properly execute the services anticipated under this contract. In addition, a resume for our project manager and SF 330 Section E for all key staff is attached.



ORGANIZATIONAL CHART



In addition to our engineering staff, we have a qualified group of laboratory and field technicians and inspectors. The following matrix presents the FDOT (CTQP) and ACI certifications held by our staff.

Personnel Certification Matrix

Technician / TIN No.	Nuclear Density Gauge Certified Operator	Earthwork Construction Inspector Level I	Earthwork construction Inspector Level II	Asphalt Paving Level I	Asphalt Paving Level II	Asphalt Plant Level I	Asphalt Plant Level II	ACI Concrete Field Technician Level I	ACI Concrete Strength Testing Technician	FDOT Concrete Field Inspector Spec	FDOT Concrete Lab Tech Spec	CTQP Concrete Field Technician level I	ACI Concrete Lab Technician Level I	ACI Concrete Lab Technician Level II	CTQP Concrete Lab Technician Level I	CTQP Concrete Lab Technician Level II	CTQP Concrete Batch Plant Operator	CTQP Aggregate Testing Technician	CTQP Aggregate Base Testing Technician	ACI Aggregate Base Testing Technician	ACI Aggregate Testing Technician	LBR Technician	Qualified Sampler Technician	Auger Cast Piles	Pile Driving Inspector	Drilled Shaft Inspector	MOT Intermediate Level Certification	QC Manager
Ware, Brittany W6000743897870	x								x						x			x	x	x	x	x						
Artalona, George A634307654470	x							x		x		x																
Cecchetti, Annabella D222000925241																								x		x		
George, Frank Jr. G620264762220	x																							x		x		
Greene, David G650161984470									x						x													
Hanley, Ryan H540736900070	x					x	x	x				x												x	x	x		
Hollingsworth, Zhari H452997966770	x	x	x					x					x		x			x	x	x	x	x	x					
Kirby, Jacob K61042594	x	x		x	x																							
Long, Stephen L520297823270	x	x	x																							x		x
Nunes, Keith N520519680140	x	x	x	x	x			x		x		x																
Pereira, Amanda P660017715070	x																							x				x
Rodriguez, Jesus R362433732460						x			x						x			x	x	x	x	x	x	x				
Schmitz, April S532013837220	x	x	x			x	x	x	x	x	x	x	x	x	x			x	x	x	x	x	x	x		x		x
Teslicko, Dave T242160601400	x			x																				x		x		
Orellana, Winston O645881691350		x				x		x	x				x		x			x			x	x	x					
Wilson, Elmer W425212630960	x					x		x		x		x																

All staff presented on the organizational chart have experience in the roles in which they are being proposed. Our staff also includes a pool of **CTQP, ACI and FDOT construction inspectors and technicians** that are available to serve City of North Port.

PROFESSIONAL LICENSES



Jessica A. McRory, PE, LEED AP

SENIOR GEOTECHNICAL ENGINEER

Contact Information

813.944.3464
jmcrory@arehna.com
5012 W. Lemon St Tampa, FL

Licenses

Professional Engineer
Florida Registration No. 68440,
2008
LEED Accredited Professional

Experience

16 years total
11 years at AREHNA

Education

Master of Science,
Civil Engineering,
Geotechnical Concentration
University of South Florida

Bachelor of Science,
Civil Engineering
University of South Florida

Career Summary

Ms. McRory has managed the geotechnical aspects of testing, design and construction for over a thousand engineering projects over the last 16 years. Her involvement has included analysis and evaluation of soil conditions pertaining to new construction design, as well as ongoing construction projects. Project experience has ranged from task order contracts to large FDOT projects. Other responsibilities have included coordinating geotechnical field and laboratory testing, as well as construction materials testing services. Evaluations have included soil and groundwater conditions, determining soil bearing capacity and consolidation characteristics and analyzing the performance of various types of foundation systems. Ms. McRory has provided recommendations for shallow foundations, various ground improvement techniques and deep foundation systems including driven piles, drilled shafts and augercast piles.

Project Experience

City of St. Petersburg Geotechnical Engineering Contract, St. Petersburg, Florida The work included a variety of transportation and utility replacement projects. Ms. McRory coordinated and oversaw drilling and laboratory testing programs and performed engineering analysis and reporting.

City of St. Pete Downtown Watermain Replacement, St. Petersburg, Florida Principal Geotechnical Engineer The project included the replacement of a Watermain in downtown St. Pete. Geotechnical study obtained information on the general subsurface conditions at the proposed project alignment.

Dale Mabry Water Treatment Plant Diversion, (Design-Build), Tampa, Florida AREHNA provided field testing and inspections for this Hillsborough County Wastewater Consolidation project. Six miles of 24-inch and 36-inch diameter transmission main and a new pump station are being built to transfer wastewater flows from this facility to the Northwest Regional Water Reclamation Facility. Approximately six miles of 20-inch and 30-inch diameter reclaimed water pipeline is being installed to return reclaimed water from the Northwest Regional Water Reclamation Facility back to the Dale Mabry site. Ms. McRory served as the contract manager for this project.

City of Tampa, San Carlos Pumping Station (Design-Build), Tampa, Florida Ms. McRory served as the Project Manager and Senior Geotechnical Engineer for this project. The project consists of an expansion of the existing building and a proposed stormwater pond for the City of Tampa. Scope includes a geotechnical study to obtain information on the general subsurface conditions at the proposed project site.

Shangri La Subdivision Water Main Replacement, Seffner, Florida The purpose of this geotechnical exploration was to obtain information on the subsurface soil conditions within the proposed water main alignments at the Shangri La Subdivision in Seffner, Florida. The project consists of replacing the existing PVC and asbestos cement water main in the subdivision with new PVC lines and placing a new DIP water main along the north side of U.S. Highway 92 east of the intersection with Crow Wing Drive. Ms. McRory served as the senior geotechnical engineer coordinating all aspects of the geotechnical investigation on this project.

Jessica A. McRory, PE, LEED AP

Howard F. Curren Wastewater Treatment Plant – Sludge Drying Beds, Tampa, Florida Ms. McRory served as the Contract Manager for this project that included new paved areas for unloading of the City's vac-trucks. AREHNA performed a field investigation including SPT borings in the proposed paved area.

19th Avenue Water/Wastewater/Reclaimed Water Pipelines, Hillsborough County, Ruskin, Florida AREHNA was the geotechnical engineer of record on this Design-Build project. The purpose of our geotechnical study was to obtain information on the general subsurface soil conditions at the project site. The planned construction primarily runs along 19th Avenue in Ruskin, Florida. The pipeline alignments are surrounded by residential and agricultural areas.

Dazzo Pump Station, Tampa, Florida AREHNA provided geotechnical engineering services and performed field explorations for the planned relocation of the existing Dazzo Wastewater Pumping Station. Ms. McRory served as the project and contract manager.

City of Tampa West River Interceptor Diversion, (Design-Build), Tampa, Florida AREHNA supported this emergency relief project which included the design and construction of a new 18- to 24-inch diameter force main in central Tampa. Multiple round and open trench and trenchless excavations were considered. The project had an aggressive schedule to meet the needs of the City. Ms. McRory served as the Project Manager for the geotechnical services.

Tampa Bay Water Geotechnical Engineering and Materials Testing Contract, Florida The work included a variety of improvement projects to support primarily in-house design needs for Tampa Bay Water. Ms. McRory served as the contract manager coordinated and oversaw AREHNA's services.

City of Tampa A/E Continuing Services Contract, Tampa, Florida Ms. McRory's responsibilities included geotechnical scope development and cost estimation, boring layout and utility coordination, soil classification, geotechnical analysis, and preparation of recommendations for pavements, drainage and site preparation for multiple Public Works projects.

Bellview Avenue Lift Station New Port Richey, Florida The project included the design of a new lift station. AREHNA performed a geotechnical investigation and the subsurface materials encountered were evaluated with respect to the available project characteristics. Ms. McRory served as the project manager.

Palmetto EQ Basin Storage Tank, Palmetto, Florida This project consists of a proposed storage tank to be constructed at three potential sites in Palmetto, Florida. The facility will include a 1 to 2-million-gallon tank.

MacDill AFB Containment Tank Addition, Tampa, Florida Ms. McRory served as the Contract Manager on this project. The project consisted of a new FSII tank and concrete containments for the Additive Injector System and the Additives Tanker Truck Unloading. The site located east of existing fuel ground storage tanks, north of North Boundary Boulevard, west of the main runway at MacDill Air Force Base. The area encompasses approximately 25 by 75 feet in plan. AREHNA performed soil test borings as part of the geotechnical exploration. Recommendations for design and site preparation were provided. Quality Control testing was performed during the construction.

Hillsborough County Flow Diversion Falkenberg to Valrico Tampa, Florida The project site is located within Hillsborough County, Florida from Valrico AWTP to Mitchell Mater PS and consists of the design and construction of the optimized Flow Diversion Solution at the Clay Ave. Pump Station and Optimized Flow Diversion Solution including a 8,650 linear feet of 16 inch FM line and a 5,550 ft 24 inch slipline. Ms. McRory is serving as the Project Manager for the geotechnical services.

City of Temple Terrace Continuing Services Contract, Tampa, Florida Task orders on this project included: Tree Tops Force Main, Lift Station SA and Force Main A AREHNA provided Geotechnical Engineering services on this task order contract. The purpose of the study was to obtain information on the general subsurface soil conditions at the project site. This project was located east of Harney Road and North of Harney Canal. Performed three Standard Penetration Test (SPT) borings to depths of 20 feet below existing grades located near each lift station and in the middle of the proposed force main alignment. Provided engineering assessments for potentially deleterious materials, ground water levels and general recommendations for trenchless and open cut excavation pipe installation. Ms. McRory served as the Project Manager for the geotechnical services.



E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

 AREHNA	12. NAME Jessica A. McRory, PE, LEED AP	13. ROLE ON THIS CONTRACT <i>Senior Geotechnical Engineer</i>	14. YEARS EXPERIENCE	
			a. Total 16	b. With Current Firm 11.5
15. FIRM NAME AND LOCATION (City and State) AREHNA Engineering, Inc., Tampa, Florida				

16. EDUCATION (Degree and Specialization) Master of Science, Civil Engineering, Geotechnical Focus University of South Florida Bachelor of Science, Civil Engineering University of South Florida	17. CURRENT PROFESSIONAL REGISTRATION (State & Discipline) Professional Engineer, Florida Registration No. 68440 LEED Accredited Professional
--	--

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Ms. McRory has managed the geotechnical aspects of testing, design and construction for over a thousand engineering projects. Her involvement has included analysis and evaluation of soil conditions pertaining to new construction design, as well as ongoing construction projects. Project experience has ranged from large FDOT contracts to large commercial projects. Evaluations have included soil and groundwater conditions, determining soil bearing capacity and consolidation characteristics and analyzing the performance of various types of foundation systems.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	PROFESSIONAL SERVICES	(2) YEAR COMPLETED
A	David L. Tippin Water Treatment Facility Chemical System Improvements Tampa, Florida	2019 - Present	CONSTRUCTION <i>(If applicable)</i>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Contract Manager: AREHNA is providing geotechnical services to support the design of the proposed bulk storage tank areas and Task 500 – Chemical Trench systems.			
B	Miscellaneous A/E Services Contract for Potable Water, Wastewater and Reclaimed Water Projects (City of St. Petersburg Water Main Replacement) St. Petersburg, Florida	2017	CONSTRUCTION <i>(If applicable)</i>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Principal Geotechnical Engineer: The project included the replacement of a Watermain in downtown St. Pete. Scope included a geotechnical study to obtain information on the general subsurface conditions at the proposed project alignment.			
C	San Carlos Pumping Station Design-Build City of Tampa, Florida	2017	CONSTRUCTION <i>(If applicable)</i>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Geotechnical Engineer: The project consists of an expansion and site and facility improvements to San Carlos Pump Station. Scope included a geotechnical study to obtain information on the general subsurface conditions at the project site.			
D	19th Avenue Water/Wastewater/Reclaimed Water Pipelines Ruskin, Florida	2016 - 2019	CONSTRUCTION <i>(If applicable)</i>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Geotechnical Engineer: AREHNA was the geotechnical engineer of record on this Design-Build project. The purpose of our geotechnical study was to obtain information on the general subsurface soil conditions at the project site. The planned construction would primarily run along 19th Avenue in Ruskin, Florida. The pipeline alignments were surrounded by residential and agricultural areas.			
E	Dale Mabry Water Treatment Plant Diversion Tampa, Florida Tampa, Florida	2016 - 2017	CONSTRUCTION <i>(If applicable)</i>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Contract Manager: AREHNA provided field testing and inspections for this Hillsborough County Wastewater Consolidation project. Six miles of 24-inch and 36-inch diameter transmission main and a new pump station are being built to transfer wastewater flows from this facility to the Northwest Regional Water Reclamation Facility. Approximately six miles of 20-inch and 30-inch diameter reclaimed water pipeline is being installed to return reclaimed water from the Northwest Regional Water Reclamation Facility back to the Dale Mabry site. Ms. McRory served as the contract manager for this project.			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

	12. NAME Amanda Pereira, PE	13. ROLE ON THIS CONTRACT Senior Geotechnical Engineer	14. YEARS EXPERIENCE	
			a. Total 24	b. With Current Firm 7
15. FIRM NAME AND LOCATION (City and State) AREHNA Engineering, Inc., Tampa, Florida				
16. EDUCATION (Degree and Specialization) Bachelor of Science, Civil Engineering University of South Florida		17. CURRENT PROFESSIONAL REGISTRATION (State & Discipline) Professional Engineer, Florida Registration No. 67784		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Ms. Pereira has over 24 years of progressive experience in the fields of geotechnical engineering and construction material testing and inspection. Her experience includes coordination and oversight of subsurface explorations, geotechnical report preparation, shallow and deep foundation inspections and testing, multi-story threshold inspections, review, quality control and reporting of field and laboratory testing for soils, concrete, asphalt and structural steel during the construction phase on a variety of projects. Her experience has been gained both in the public and private sector on a variety of infrastructure projects including urban and rural roadways, airports, water and wastewater facilities, pipelines, commercial and private buildings, subdivisions, site suitability and due diligence studies and commercial sites.				
19. RELEVANT PROJECTS				
	(1) TITLE AND LOCATION (<i>City and State</i>)		(2) YEAR COMPLETED	
A	David L. Tippin Water Treatment Facility Chemical System Improvements DB Tampa, Florida		PROFESSIONAL SERVICES 2019 - Present	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Geotechnical Project Engineer: Pereira served as Sr. Geotechnical Engineer for the geotechnical investigation and materials testing for a new tank and rehabilitation to several structures at the facility. During construction, the project included concrete and coatings testing.			
	(1) TITLE AND LOCATION (<i>City and State</i>)		(2) YEAR COMPLETED	
B	Clearwater East WRF Generator Clearwater, Florida		PROFESSIONAL SERVICES 2016 - Present	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer: Work was performed on an as needed basis to support City of Tampa Public Works Projects. Services included drilling and laboratory testing, engineering analysis and reporting for drainage/stormwater and roadway projects.			
	(1) TITLE AND LOCATION (<i>City and State</i>)		(2) YEAR COMPLETED	
C	Falkenburg Water Treatment Plant Expansion Tampa, Florida		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager: Ms. Pereira served as Project Manager of the construction materials testing and inspection services for this project which included deep foundations and testing for various components including headworks, clarifier, new pump station and reject storage tanks.			
	(1) TITLE AND LOCATION (<i>City and State</i>)		(2) YEAR COMPLETED	
D	City of Clearwater Solid Waste Transfer Station Reconstruction Clearwater, Florida		PROFESSIONAL SERVICES 2018 - Present	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager: Ms. Pereira serves as the Project Manager for this contract. Improvements for this project consist of redeveloping the 4.82-acre site to include new asphalt roadways and parking areas for, storm water improvements, Leachate storage tank, natural gas fueling station, new water service, fire water main, and rerouting of the sanitary services. new Scale building and scales, new Transfer Station building, and a new Administration building.			
	(1) TITLE AND LOCATION (<i>City and State</i>)		(2) YEAR COMPLETED	
E	Dale Mabry Water Treatment Plant Diversion Tampa, Florida Tampa, Florida		PROFESSIONAL SERVICES 2016 - 2017	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager: Ms. Pereira served as the project manager for this project. AREHNA provided field testing and inspections for this Hillsborough County Wastewater Consolidation project. Six miles of 24-inch and 36-inch diameter transmission main and a new pump station are being built to transfer wastewater flows from this facility to the Northwest Regional Water Reclamation Facility. Approximately six miles of 20-inch and 30-inch diameter reclaimed water pipeline is being installed to return reclaimed water from the Northwest Regional Water Reclamation Facility back to the Dale Mabry site.			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

	12. NAME Kristina S. LaCava, PE	13. ROLE ON THIS CONTRACT Senior Geotechnical Engineer	14. YEARS EXPERIENCE	
			a. Total 12	b. With Current Firm 8
15. FIRM NAME AND LOCATION (City and State) AREHNA Engineering, Inc., Tampa, Florida				

16. EDUCATION (Degree and Specialization) Bachelor of Science, Civil Engineering University of South Florida	17. CURRENT PROFESSIONAL REGISTRATION (State & Discipline) Professional Engineer, Florida Registration No. 77594
--	--

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Ms. LaCava has over 12 years of geotechnical engineering experience. Her engineering experience includes design and construction oversight of residential, commercial, municipal, and transportation projects. Ms. LaCava has provided design recommendations, construction considerations and construction oversight for shallow foundations including isolated, continuous and monolithic systems; deep foundations including driven pile systems, drilled shafts, micro-piles and helical anchors; soil remediation including compaction grouting and chemical grouting; ponds including pond liner oversight; pavement sections and earthwork construction. Duties have included developing work scopes/cost estimates, permit preparation, providing engineering analyses and design recommendations and project financial management. She has also been involved in oversight of construction materials testing projects for earthwork, concrete and pavement materials.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Clearwater East WRF Generator Clearwater, Florida	PROFESSIONAL SERVICES 2016 - Present	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer: The existing WRF is susceptible to heavy flooding, this project was to replace the existing fixed standby generators with one or two elevated generators. Ms. LaCava served as the Project Engineer and provided geotechnical recommendations consisting of constructing the proposed generators on Auger Cast Piles or Drilled Shafts. Ms. LaCava oversaw the installation of the Drilled Shaft Foundations as well.		

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
David L. Tippin Water Treatment Facility Chemical System Improvements DB Tampa, Florida	PROFESSIONAL SERVICES 2019 - Present	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer: AREHNA is providing geotechnical services to support the design of the proposed bulk storage tank areas and Task 500 – Chemical Trench systems. Ms. LaCava served as the project engineer for the geotechnical services.		

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Tampa Engineering Contract Wastewater Department Tampa, Florida	PROFESSIONAL SERVICES 2019 – Present	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer: Responsibilities included geotechnical scope development and cost estimation, boring layout and utility coordination, soil classification, geotechnical analysis, and preparation of recommendations for design of pump stations and sewer lines for City wastewater projects. Ms. LaCava served as the project engineer for the geotechnical services.		

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
19th Avenue Water/Wastewater/Reclaimed Water Pipelines Hillsborough County, Ruskin, Florida	PROFESSIONAL SERVICES 2018 - 2020	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer: AREHNA was the geotechnical engineer of record on this Design-Build project. The purpose of our geotechnical study is to obtain information on the general subsurface soil conditions at the project site. The planned construction primarily runs along 19th Avenue in Ruskin, Florida. The pipeline alignments are surrounded by residential and agricultural areas. Ms. LaCava served as the project engineer for the geotechnical services.		

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of St. Petersburg Water Resource Building Addition D/B, 3rd Ave N &16th St St. Petersburg, Florida	PROFESSIONAL SERVICES 2017 - Present	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer: The project consists of a new 10,000 square foot one-story facility with paved parking lot. The purpose of our geotechnical study is to obtain information on the general subsurface conditions at the proposed project site. Ms. LaCava served as the project engineer for the geotechnical services.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

	12. NAME Kirk M. Eastman, PE	13. ROLE ON THIS CONTRACT Senior Geotechnical Engineer	14. YEARS EXPERIENCE	
			a. Total 27	b. With Current Firm 1.5

15. FIRM NAME AND LOCATION (City and State) AREHNA Engineering, Inc., Tampa, Florida
--

16. EDUCATION (Degree and Specialization) Master of Science, Civil Engineering, Structures & Foundations Engineering University of Central Florida Bachelor of Science, Aeronautical Engineering Embry-Riddle Aeronautical University	17. CURRENT PROFESSIONAL REGISTRATION (State & Discipline) Professional Engineer, Florida Registration No. 50733
---	--

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Mr. Eastman has 27 years of experience in the field of geotechnical engineering. He has managed multiple FDOT District Wide Contracts for Districts 1 and 7 over a 21-year period. He has also served as project manager for multiple major projects. His experience includes roadway, bridge, pond and retaining wall projects where he has performed shallow and deep foundation analyses including driven piles, settlement and slope stability analyses. He has also worked on vibration monitoring projects and performed numerous ground subsidence studies.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Dazzo Pump Station - City of Tampa Tampa, Florida	PROFESSIONAL SERVICES 2019	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Geotechnical Engineer: AREHNA provided geotechnical engineering services and performed field explorations for the planned relocation of the existing Dazzo Wastewater Pumping Station.		

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Temple Terrace, Continuing Services Contract Temple Terrace, Florida	PROFESSIONAL SERVICES 2018 - Present	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Geotechnical Engineer: AREHNA provided Geotechnical Engineering services on this task order contract. Tasks included: Tree Tops Force Main, Lift Station SA and Force Main A. The purpose of the study was to obtain information on the general subsurface soil conditions at the project site. Mr. Eastman provided geotechnical engineering services, roadway analysis, and general recommendations for trenchless and open cut excavation pipe installation.		

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Tampa A/E Continuing Services Contract Tampa, Florida	PROFESSIONAL SERVICES 2018 - Present	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Geotechnical Engineer: Work was performed on an as needed basis to support Public Works Projects. Services included pavement coring, drilling and laboratory testing, engineering analysis and reporting for pavement evaluation, drainage/stormwater and roadway projects. Mr. Eastman oversaw field and laboratory testing tasks and performed engineering analysis and reporting.		

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Shangri-La FM Extension Shangri-La Force Main Extension Drainage Improvements Hillsborough County, Florida	PROFESSIONAL SERVICES 2019 - Present	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Geotechnical Engineer: The purpose of this geotechnical exploration was to obtain information on the subsurface soil conditions within the proposed new water main alignments at the Shangri La Subdivision in Seffner, Florida. Mr. Eastman served as the senior geotechnical engineer providing project oversight, geotechnical engineering recommendation and report preparation.		

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Woodberry Super Station Rehabilitation Hillsborough County, Florida	PROFESSIONAL SERVICES 2019 - Present	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Geotechnical Engineer: The project consists of the rehabilitation of an existing pump station facility. Improvements will include the addition of an 18-foot by 23-foot concrete pad for the support of a genset with sub-base fuel tank. Mr. Eastman serves as the senior geotechnical engineer providing project oversight, geotechnical engineering recommendation and report preparation.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

	12. NAME Joseph E. Prendergast, PE	13. ROLE ON THIS CONTRACT Senior Geotechnical Engineer	14. YEARS EXPERIENCE	
	15. FIRM NAME AND LOCATION (City and State) AREHNA Engineering, Inc., Tampa, Florida		a. Total 41	b. With Current Firm 11
16. EDUCATION (Degree and Specialization) Master of Science, Civil Engineering Georgia Institute of Technology Bachelor of Science, Civil Engineering University of South Florida		17. CURRENT PROFESSIONAL REGISTRATION (State & Discipline) Professional Engineer, Florida Registration No. 50774		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Prendergast began his career as a Civil Engineer Officer in the United States Air Force in 1979, during which time he received a M.S. in Civil Engineering from the Georgia Institute of Technology. Among his assignments, Mr. Prendergast performed numerous pavement evaluations at multiple Air Force and DOD Installations across the US and worldwide. Later, he worked for private engineering consulting firms, where he performed over 1,000 geotechnical explorations. He has performed subsurface explorations for numerous commercial and government clients, as well as planned and directed field and laboratory testing activities. Areas of expertise include the geotechnical aspects of foundation, retaining wall, pavement, and storm water pond design, as well as analysis of Florida sinkhole conditions.				
19. RELEVANT PROJECTS				
	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
	City of Tampa – Work Order Contract Tampa, Florida		PROFESSIONAL SERVICES 2013 - Present	CONSTRUCTION (If applicable)
A	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior Geotechnical Engineer: Work was performed on an as needed basis to support City of Tampa Public Works Projects. Services included drilling and laboratory testing, engineering analysis and reporting for drainage/stormwater and roadway projects, including Marjorie Avenue and Cleveland Street Improvements.		<input checked="" type="checkbox"/> Check if project performed with current firm	
	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
	Hillsborough County General Civil Consultant Tampa, Florida		PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable)
B	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Geotechnical Engineer: Mr. Prendergast was responsible for geotechnical scope development and cost estimation for several projects. He performed boring layout and utility coordination, soil classification, geotechnical analysis, and prepared recommendations for foundations, pavements and site preparation for a variety of projects involving roadways, storm water improvements, water treatment facilities, fuel tank facilities, force mains and pump stations.		<input checked="" type="checkbox"/> Check if project performed with current firm	
	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
	Hillsborough County Stormwater Contract Hillsborough County, Florida		PROFESSIONAL SERVICES 2015 - Present	CONSTRUCTION (If applicable)
C	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior Geotechnical Engineer: Ms. Prendergast served as Sr. Geotechnical Engineer on this task order contract with the County. The services provided were performed on an as-needed basis for stormwater improvement projects.		<input checked="" type="checkbox"/> Check if project performed with current firm	
	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
	FDEP - Colt Creek State Park Polk County, Florida		PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable)
D	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior Geotechnical Engineer: Mr. Prendergast was responsible for coordinating and oversight of construction materials testing (soils, concrete and asphalt) on the project. The project components include a new booster pump station, electrical building, yard piping, civil grading and paving.		<input checked="" type="checkbox"/> Check if project performed with current firm	
	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
	Southwest Florida Water Management District General Engineering Contract SWFWMD District, Florida		PROFESSIONAL SERVICES 2014 - Present	CONSTRUCTION (If applicable)
E	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal Geotechnical Engineer: The project consisted of the geotechnical support for various projects for the Water Management District. Projects have included Lemon Bay Habitat Restoration, Rogers Park Golf Course Tampa, and Rogers Park Hernando County. Scopes have included infiltration testing, SPT Borings, auger borings and laboratory test programs. Mr. Prendergast is the Principal Geotechnical Engineer on the task assignments under this contract.		<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

	12. NAME Sonia R. Florence, PE	13. ROLE ON THIS CONTRACT Senior Geotechnical Engineer	14. YEARS EXPERIENCE	
			a. Total 21	b. With Current Firm 11.5
15. FIRM NAME AND LOCATION (City and State) AREHNA Engineering, Inc., Tampa, Florida				

16. EDUCATION (Degree and Specialization) Bachelor of Science, Civil Engineering University of South Florida	17. CURRENT PROFESSIONAL REGISTRATION (State & Discipline) Professional Engineer, Florida Registration No. 68671
--	--

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Ms. Florence is a Senior Professional Engineer at AREHNA Engineering, Inc. As a Senior Professional Engineer, her duties include technical review, as well as project management and analyses for a wide variety of geotechnical studies for both public and private clients. Throughout her career, she has maintained a special focus on providing geotechnical consulting for roadway construction and widening for the Florida Department of Transportation (FDOT), municipalities and counties. Professional Organizations: American Society of Civil Engineers.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Miscellaneous Professional Services for Stormwater Management, Transportation & Bridge Improvement Services City of St. Petersburg, Florida	PROFESSIONAL SERVICES 2014 - Present	CONSTRUCTION <i>(If applicable)</i>

A (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
Senior Geotechnical Engineer: Ms. Florence served as a Senior Geotechnical Engineer for geotechnical engineering services on multiple transportation and bridge replacement projects under this task order contract. Services included drilling and laboratory testing, engineering analysis and reporting.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of Tampa Architecture/Engineering Contract Tampa, Florida	PROFESSIONAL SERVICES 2013 - Present	CONSTRUCTION <i>(If applicable)</i>

B (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
Project Engineer: Ms. Florence's responsibilities included geotechnical scope development and cost estimation, boring layout and utility coordination, soil classification, geotechnical analysis, and preparation of recommendations for pavements, drainage and site preparation for multiple City of Tampa Public Works projects.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Hillsborough County Stormwater Continuing Services Contract Hillsborough County, Florida	PROFESSIONAL SERVICES 2015 - Present	CONSTRUCTION <i>(If applicable)</i>

C (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
Senior Project Engineer: Ms. Florence served as Project Engineer on this task order contract with the County. The services provided were performed on an as-needed basis for stormwater improvement projects.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Southwest Florida Water Management District General Engineering Contract SWFWMD District, Florida	PROFESSIONAL SERVICES 2014 - Present	CONSTRUCTION <i>(If applicable)</i>

D (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
Geotechnical Engineer: The project consisted of the geotechnical support for various projects for the Water Management District. Projects have included Lemon Bay Habitat Restoration, Roger Park Tampa and Rogers Park Hernando County. Scopes have included infiltration testing, SPT Borings, auger borings and laboratory test programs. Ms. Florence is a Geotechnical Engineer for the task assignments under this contract.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City of St. Petersburg Geotechnical Engineering Contract St. Petersburg, Florida	PROFESSIONAL SERVICES 2017 - Present	CONSTRUCTION <i>(If applicable)</i>

E (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
Senior Project Engineer: Ms. Florence served as Project Engineer on this as-needed contract to support the City of St. Petersburg with geotechnical testing and consulting services. Ms. Florence coordinated and oversaw drilling and laboratory testing programs and performed engineering analysis and reporting.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

	12. NAME G. Stephen Long, PE	13. ROLE ON THIS CONTRACT Geotechnical & Materials Engineer	14. YEARS EXPERIENCE	
			a. Total 6.5	b. With Current Firm 6

15. FIRM NAME AND LOCATION (City and State) AREHNA Engineering, Inc., Tampa, Florida
--

16. EDUCATION (Degree and Specialization) Bachelor of Science, Civil Engineering University of South Florida	17. CURRENT PROFESSIONAL REGISTRATION (State & Discipline) Professional Engineer, Florida Registration No. 85403
--	--

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Mr. Long’s experience includes coordination and oversight of subsurface exploration and geotechnical report preparation in the public and private sector. His experience in materials testing has ranged from threshold inspections and field and lab testing of soils, concrete and asphalt to review, quality control and reporting of field and lab testing during the construction phase on a variety of projects.
 Extensive laboratory testing experience including modified proctor testing, grain size analysis testing, private sector Limerock Bearing Ratio (LBR) testing, organic content testing, corrosion testing, soil permeability testing & consolidation testing.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
---	--------------------	--

19th Avenue Water/Wastewater/Reclaimed Water Pipelines Hillsborough County, Ruskin, Florida	PROFESSIONAL SERVICES 2016 - 2019	CONSTRUCTION (If applicable)
A (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Geotechnical Engineer: AREHNA was the geotechnical engineer of record on this Design-Build project. The purpose of our geotechnical study is to obtain information on the general subsurface soil conditions at the project site. The planned construction primarily runs along 19th Avenue in Ruskin, Florida. The pipeline alignments are surrounded by residential and agricultural areas.		

Dale Mabry Water Treatment Plant Diversion Phase III Hillsborough County, Florida	PROFESSIONAL SERVICES 2016 - 2017	CONSTRUCTION (If applicable)
B (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Geotechnical Engineer: Mr. Long is managing and overseeing field quality control activities for earthwork on this large pipeline project. Duties include coordinating with contractor to provide proper staff, performing soils testing and ensuring timely reporting of tests.		

FDOT District 7 - Adrian Avenue & Gladys Street Pinellas County, Florida	PROFESSIONAL SERVICES 2016 - 2017	CONSTRUCTION (If applicable)
C (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Geotechnical/Materials Engineer: This project consisted of sidewalk construction, turnouts, drainage improvements, and water and sewer modifications on Adrian Avenue and Gladys Street. The materials testing scope for this project consisted of pipe backfill density testing and inspection, concrete testing and testing for pavement restoration.		

City of Clearwater Solid Waste Transfer Station Reconstruction Clearwater, Florida	PROFESSIONAL SERVICES 2019 - Present	CONSTRUCTION (If applicable)
D (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Geotechnical/Materials Engineer: Improvements for this project consist of redeveloping the 4.82-acre site to include new asphalt roadways and parking areas for, storm water improvements, Leachate storage tank, natural gas fueling station, new water service, fire water main, and rerouting of the sanitary services. new Scale building and scales, new Transfer Station building, and a new Administration building. Mr. Long oversees quality control testing and inspection services which included soil, concrete and other specialty testing services.		

Waterfront District Downtown Chilled Water Lines Tampa, Florida	PROFESSIONAL SERVICES 2018 - Present	CONSTRUCTION (If applicable)
E (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Geotechnical/Materials Engineer: AREHNA provided geotechnical and materials testing and inspection services for the construction of the chilled water lines in the Channelside redevelopment area in Tampa. Mr. Long oversees quality control testing and inspection services under this contract.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

	12. NAME April Schmitz	13. ROLE ON THIS CONTRACT Laboratory Manager	14. YEARS EXPERIENCE	
			a. Total 11	b. With Current Firm 6
15. FIRM NAME AND LOCATION (City and State) AREHNA Engineering, Inc., Tampa, Florida				

16. EDUCATION (Degree and Specialization) <p align="center">N/A</p>	17. CURRENT PROFESSIONAL REGISTRATION (State & Discipline) <p align="center">N/A</p>
---	--

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Ms. Schmitz began her career 11 years ago, supporting geotechnical testing services. Over the past six years, she has assisted with providing services as a Geotechnical Field Technician & Project Coordinator, as well as providing laboratory and field testing of soils and concrete. Mrs. Schmitz has been responsible for managing services and conducting field work for several intersection improvement projects, which include design-builds for cantilever signs, mast arms, and pavement evaluations.

Ms. Schmitz has extensive experience with the laboratory testing, field inspections and characterization of construction materials which include concrete, soil, hot-mix asphalt, concrete masonry units, and aggregates. Ms. Schmitz has in-depth knowledge of standard test methods published by Cement and Concrete Reference Laboratory (CCRL), AASHTO Materials Reference Laboratory (AMRL), the Florida Department of Transportation (FDOT), and US Army Corps of Engineers (USACE), ASTM, AASHTO and FDOT that pertain to the testing and characterization of various construction materials.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	PROFESSIONAL SERVICES	(2) YEAR COMPLETED
A	South Central Booster Pump Station Hillsborough County, Ruskin, Florida	2016	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Lab Manager: Performed construction materials testing, both laboratory and field, on soils and concrete. Ms. Schmitz served as the lab manager and coordinated the field and laboratory testing.		
B	Dale Mabry Water Treatment Plant Diversion Phase III Hillsborough County, Florida	2016 - Present	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Lab Manager: AREHNA provided field testing and inspections for this Hillsborough County Wastewater Consolidation project. Ms. Schmitz served as the lab manager and coordinated the field and laboratory testing.		
C	19th Avenue Water/Wastewater/Reclaimed Water Pipelines Hillsborough County, Ruskin, Florida	2016 - 2017	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Lab Manager: AREHNA is the geotechnical engineer of record on this on-going Design-Build project. The purpose of our geotechnical study is to obtain information on the general subsurface soil conditions at the project site. The planned construction will primarily be along 19th Avenue in Ruskin, Florida. The pipeline alignments are surrounded by residential and agricultural areas.		
D	City of Clearwater Solid Waste Transfer Station Reconstruction Clearwater, Florida	2019 - Present	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Lab Manager: Improvements for this project consist of redeveloping the 4.82-acre site to include new asphalt roadways and parking areas for, storm water improvements, Leachate storage tank, natural gas fueling station, new water service, fire water main, and rerouting of the sanitary services. new Scale building and scales, new Transfer Station building, and a new Administration building.		
E	Waterfront District Downtown Chilled Water Lines Tampa, Florida	2018 - Present	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Lab Manager: AREHNA provided geotechnical and materials testing and inspection services for the construction of the chilled water lines in the Channelside redevelopment area in Tampa. Ms. Schmitz served as the lab manager and coordinated the field and laboratory testing.		

**TAB 4 | TEAM'S PREVIOUS EXPERIENCE/PROFICIENCY IN SIMILAR
PROJECTS/PROGRAMS**

ADDITIONAL PROJECT EXPERIENCE

AREHNA prides itself on our ability to support project teams with innovative and comprehensive geotechnical engineering, and materials testing and inspection services. On every project, we evaluate the most favorable geotechnical solutions considering all project details including feasibility and construction budgets. This is a short list of contracts that represents the thousands of successful general engineering projects that we have completed in the past 11 years. Much of the work that we have executed has been under contracts very similar to this contract, so we understand the dynamics and know what it takes to properly manage and support our clients. AREHNA's services on all of these projects were completed on-time on on-budget.

Similar Prime Contracts that AREHNA holds:

- City of Tampa A/E contract
- City of Tarpon Springs Geotechnical & Materials Testing
- City of St. Petersburg Geotechnical & Materials Testing
- Pinellas County Geotechnical & Materials Testing
- Hillsborough County Geotechnical & Materials Testing
- FDOT District 7 Geotechnical & Materials Testing
- Tampa Bay Water Geotechnical & Materials Testing
- City of Largo Continuing Services – Geotechnical
- City of Pinellas Park - General Engineering Services – Geotechnical
- City of Clearwater- General Engineering Services – Geotechnical
- City of Treasure Island - General Engineering Services – Geotechnical and Environmental
- City of Madeira Beach – Geotechnical Services

Geotechnical Support for Prime Contracts

- City of Zephyrhills General Engineering Contract
- City of Dunedin, General Engineering Contract
- City of St. Petersburg, Misc. Stormwater Mgmt., Transportation & Bridge Improvement Projects
- City of Largo General Engineering Contract
- City of Temple Terrace General Engineering Contract
- Manatee County Utility Engineering
- Hillsborough County Misc. Engineering Services, Transportation Development & Design
- Hillsborough County Stormwater Continuing Services Contract
- Hillsborough County Miscellaneous CEI Services
- FDOT D1 and D7 – Geotechnical & Materials Testing
- Southwest Florida Water Management District General Engineering Contract
- Pinellas County Miscellaneous Transportation and Utility Projects



F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. EXAMPLE PROJECT KEY NUMBER 1
---	---

21. TITLE AND LOCATION (City and State) 19th Avenue Water/Wastewater/Reclaimed Water Pipelines Hillsborough County, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016 - 2019	CONSTRUCTION <i>If applicable)</i>

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Hillsborough County BOCC Client: Pepper Contracting & Cardno	b. POINT OF CONTACT NAME Christopher Martin, PE (owner's rep)	c. POINT OF CONTACT TELEPHONE NUMBER 813-290-8899
---	--	--

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

AREHNA was the geotechnical engineer of record and provided construction materials testing on this Design-Build project. The purpose of our geotechnical study was to obtain information on the general subsurface soil conditions along the alignment for the design and construction of the pipelines. Dewatering is a key issue on this project. The pipeline alignments are surrounded by residential and agricultural areas.

The 19th Avenue Water/Wastewater/Reclaimed Water Pipelines program in South Hillsborough County consists of three projects to help maintain the capacity of the area's drinking water and its wastewater collection system to meet increased demand. It also adds reclaimed water distribution systems, as well as 21 new fire hydrants on 19th Avenue between US 41 and I-75. Project details are as followed:

Water Line

To be placed along the South side of 19th Avenue from just west of US 41 to west of I-75. One mile of existing 10-inch and 8-inch drinking water pipes will be replaced with a new 24-inch water pipe, and approximately 1.8 miles of a new water pipes were installed.

Wastewater

To be placed along the north side of 19th Avenue from west of US 41 to west of I-75 and for approximately one mile south, parallel to I-75. Nearly 3 miles of existing wastewater pipe will be replaced with a new larger 24-inch pipe, and 2,700 feet of existing 16-inch pipe were replaced with a new larger 36-inch pipe. Connections were provided for new wastewater pipes along 30th Street, 24th Street, 12th Street and US 41.

Reclaimed Water

Placed along the north side of 19th Avenue from west of US 41 to west of I-75, and on the west side of 12th Street from 19th Avenue to US 41. Approximately 2.7 miles of new 30-inch reclaimed water pipe and nearly a mile of new 20-inch reclaimed water pipe were installed along the corridor. Connections will be available for Harbour Isles to access the new reclaimed water main. Connection points will also be provided for any new reclaimed water mains at 30th Street, and US 41 at both 12th Street and 19th Avenue.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME AREHNA Engineering, Inc.	(2) FIRM LOCATION (City and State) Tampa, Florida	(3) ROLE Subconsultant
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. EXAMPLE PROJECT KEY NUMBER 2
---	---

21. TITLE AND LOCATION (City and State) City of Tampa A/E Work Order Contract Tampa, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013 - Present	CONSTRUCTION (If applicable)

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Tampa Stormwater Department	b. POINT OF CONTACT Barbara Graves	c. POINT OF CONTACT TELEPHONE NUMBER 813-274-8963
---	---	--

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

This Work Order Contract for the City of Tampa has included several projects for the City’s Stormwater and Transportation Department. AREHNA has performed several geotechnical explorations under this contract. Pavement evaluation and a drainage study were also part of various tasks. Services included Standard Penetration Test borings, auger borings, installation of piezometers, permeability testing, pavement cores and laboratory classification testing. Recommendations for design and site preparation were provided. Projects have included:

- Cleveland Street Improvements
- Peer Review of Hyde Park Seepage Study
- Kensington Ave. Area Drainage Study and Improvements
- Marjorie Ave., Albany Ave. & Howard Ave. Pavement and Drainage Improvements
- David E. West Park Pond Enhancement



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME AREHNA Engineering, Inc.	(2) FIRM LOCATION (City and State) Tampa, Florida	(3) ROLE Prime-Geotechnical
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. EXAMPLE PROJECT KEY NUMBER 3
---	--

21. TITLE AND LOCATION (City and State) David L. Tippin Water Treatment Facility Chemical System Improvements (Design-Build) Tampa, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2019 - Present	CONSTRUCTION <i>(If applicable)</i>

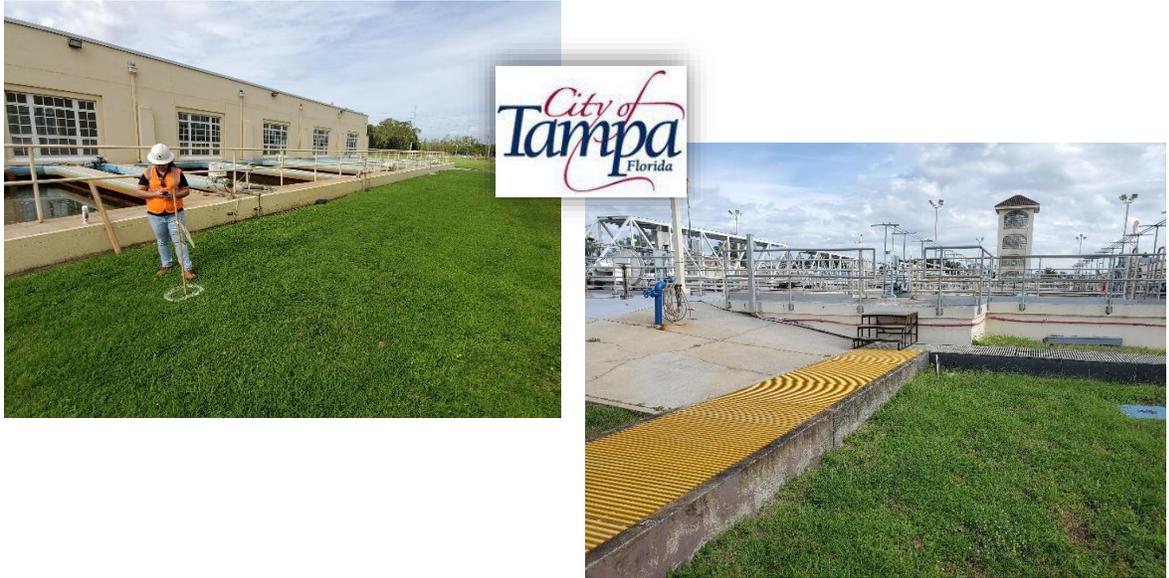
23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Tampa Client: Garney Companies, Inc. & Carollo Engineers	b. POINT OF CONTACT NAME Timothy Behler	c. POINT OF CONTACT TELEPHONE NUMBER 407-877-5903 tbehler@garney.com
---	--	---

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

AREHNA is providing geotechnical services to support the design of the proposed bulk storage tank areas and Task 500 – Chemical Trench systems.

The project consists of improvements to Chemical System at the David L. Tippin Water Treatment Facility in Tampa, Florida. The planned design and construction include the evaluation, design and construction for the installation of a new high service pump station and header system; the installation of baffling and redundancy improvements within the existing on-site clearwells; the relocation of the existing backwash pumps; and other improvements.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME AREHNA Engineering, Inc.	(2) FIRM LOCATION (City and State) Tampa, Florida	(3) ROLE Subconsultant
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. EXAMPLE PROJECT KEY NUMBER 4
---	--

21. TITLE AND LOCATION (City and State) Dale Mabry Wastewater Treatment Plant Diversion Pipelines Hillsborough County, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016 -2017	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Hillsborough County Stormwater Department	b. POINT OF CONTACT NAME Tommy Rawls, PE	c. POINT OF CONTACT TELEPHONE NUMBER 813-209-3009
---	---	--

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

AREHNA provided geotechnical engineering and construction materials testing services on this Design-Build project.

The project includes approximately six miles of 24-36-inch diameter transmission main and a new pump station will be built to transfer wastewater flows from the plant to the Northwest Regional Water Reclamation Facility, which currently has the capacity to treat the diverted Dale Mabry flows. The Dale Mabry plant will be demolished and removed once the transmission main has been installed. A new pump station, the existing reclaimed water tanks and the existing reclaimed pump station on the west side of the site will remain. Approximately six miles of 20-30-inch diameter reclaimed water pipeline will be installed to return reclaimed water to the Dale Mabry site.



Hillsborough County Florida

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME AREHNA Engineering, Inc.	(2) FIRM LOCATION (City and State) Tampa, Florida	(3) ROLE Subconsultant
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

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

20. EXAMPLE PROJECT KEY NUMBER
5

21. TITLE AND LOCATION (City and State) City of Tampa - San Carlos Pumping Station Rehabilitation (Design-Build) Tampa, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017 - 2018	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Tampa Client: Garney/Hazen and Sawyer	b. POINT OF CONTACT Jacob L. Porter PE	c. POINT OF CONTACT TELEPHONE NUMBER jporter@hazenandsawyer.com 813-549-2130
--	---	---

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

The San Carlos Pumping Station Project is part of the City's ongoing commitment to invest in neighborhoods and upgrade aging infrastructure. The project includes renovations and upgrades at the San Carlos Pumping Station to improve efficiency, improve operations and improve wastewater service for City of Tampa. In addition to enhancements to the mechanical systems, an expansion of an existing building and a stormwater pond are part of the planned improvements.

AREHNA's scope of services included a geotechnical field investigation, laboratory testing, geotechnical analysis and reporting. Materials testing is being performed during construction to ensure quality control.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME AREHNA Engineering, Inc.	(2) FIRM LOCATION (City and State) Tampa, Florida	(3) ROLE Subconsultant
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT			20. EXAMPLE PROJECT KEY NUMBER 6
21. TITLE AND LOCATION (<i>City and State</i>) Miscellaneous A/E Services Contract for Potable Water, Wastewater and Reclaimed Water Projects Manatee County, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2019 - 2020	
		CONSTRUCTION <i>(If applicable)</i>	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER Manatee County Public Works Department Client: Ayres & Associates	b. POINT OF CONTACT Christopher Martin, P.E. Owner's Rep.	c. POINT OF CONTACT TELEPHONE NUMBER 813-978-8688 MartinC@AyresAssociates.com	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)			
<p>The project includes water main replacements at 5 locations in Manatee County. All items installed met County and Ten State Standards. Below is a description on the replacement at each location. AREHNA provided Geotechnical Engineering Services and performed shallow auger borings and Standard Penetration Test (SPT) borings at each site. Samples were collected, and Standard Penetration Test resistances measured.</p> <ul style="list-style-type: none"> • Cortez Gardens Water Main Replacement consisted of approximately 2,000 linear feet of water mains mainly on easements with poor access with 6 inch water main and 42 new services. • Fogarty's Subdivision Water Main Replacement consisted of approximately 4,500 linear feet of water main. • Grove Have Subdivision Water Main Replacement using a Create looped system with 1,300 linear feet of water main. • Hazelhurst Subdivision Water Main Replacement consisted of approximately 2,800 linear feet of water main. • I-75 and SR 70 Water Main Replacement – Install approximately 670 linear feet of 16-inch diameter force main downstream of the Master Lift Station (MLS) 39-A, under I-75 where a hydraulic bottleneck exists. 			
			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME AREHNA Engineering, Inc.	(2) FIRM LOCATION (<i>City and State</i>) Tampa, Florida	(3) ROLE Subconsultant
b.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE

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

20. EXAMPLE PROJECT
KEY NUMBER
7

21. TITLE AND LOCATION (<i>City and State</i>) Pinellas County Geotechnical & Materials Testing Contract Pinellas County, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017 - Present	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Pinellas County Department of Public Works	b. POINT OF CONTACT Mr. Wesley Merritt	c. POINT OF CONTACT TELEPHONE NUMBER 727-464-8821 Email: wmerritt@co.pinellas.fl.us
---	--	---

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

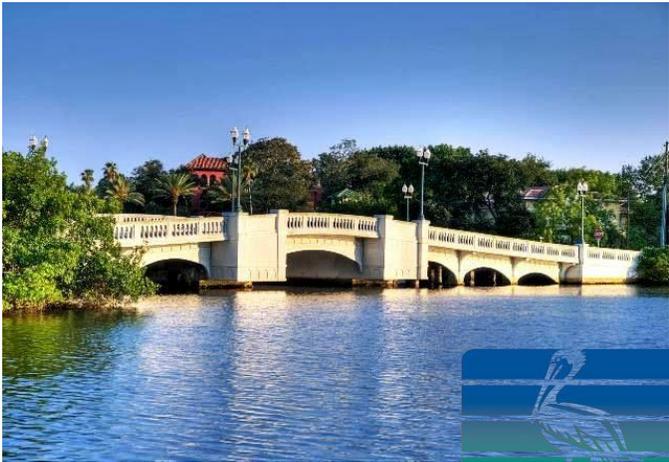
This is a task order contract with the Pinellas County. The services are performed on an as-needed basis for various projects. The scope of work typically includes quality control testing of materials for roadway and drainage improvement projects. Testing has included soils, asphalt and concrete testing in the field and laboratory, as well as field inspection services. Examples of projects under this contract include the following:

- 22nd Avenue N. Drainage Improvements 55th Street S. to 51st Street S.
- Madeira Beach Road Improvements
- Haines Rd from 52nd Ave to 60th Ave
- Asphalt Testing Countywide



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME AREHNA Engineering, Inc.	(2) FIRM LOCATION (<i>City and State</i>) Tampa, Florida	(3) ROLE Prime - Geotechnical Engineering & Materials Testing Services
b.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER 8	
21. TITLE AND LOCATION (City and State) Miscellaneous Professional Services for Geotechnical Materials Testing and Inspection Continuing Services Contract St. Petersburg, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2018 - Present CONSTRUCTION <i>(If applicable)</i>	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER City of St. Petersburg Engineering and Capital Improvements Department	b. POINT OF CONTACT Richard Herrmann, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER 727-893-7852	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost) AREHNA Engineering, Inc. serves as the geotechnical engineer of record. Work under this contract was performed on a task order basis to support the City with geotechnical testing and consulting services. The work includes a variety of bridge replacements, transportation and utility replacement projects. Services performed include drilling, laboratory testing, engineering analysis and reporting as needed by City of St. Petersburg. All projects have included coordinating utility locations and providing maintenance of traffic to allow access to boring and exploration locations. Projects under this contract include: <ul style="list-style-type: none"> ➤ Sunshine Center - Geotechnical and Forensic Investigation ➤ Snell Isle Bridge Replacement ➤ Overlook Drive NE Bridge Replacement <div style="text-align: right;">   </div>			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME AREHNA Engineering, Inc.	(2) FIRM LOCATION (City and State) Tampa, Florida	(3) ROLE Prime - Geotechnical
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. EXAMPLE PROJECT KEY NUMBER 10
---	---

21. TITLE AND LOCATION (City and State) City of Tampa – Downtown Road and Infrastructure Improvements Tampa, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017 - Present	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION		
--	--	--

a. PROJECT OWNER Strategic Property Partners and the City of Tampa Client: Kimmins Contracting Corporation	b. POINT OF CONTACT NAME Mr. John Zemina, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER 813-579-1074
--	---	--

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

AREHNA’s scope of services includes supporting Kimmins for the roadwork and infrastructure improvements. Services include quality control construction materials testing and inspection services for the new utilities’ installation, tie-ins, roadway improvements, new curbing and sidewalk restoration.

Improvements to downtown Tampa roadways include:

- ✓ The conversion of Channelside Drive from Meridian Street to Jefferson Street from a one-way, eastbound only road into a two-way roadway.
- ✓ An extension of Old Water Street north from Channelside Drive to Cumberland Avenue to create a north-south connection.
- ✓ The construction of new on-street parking and bike lanes.
- ✓ Installation of water supply, sewer and stormwater utilities to support the planned development.



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

a.	(1) FIRM NAME AREHNA Engineering, Inc.	(2) FIRM LOCATION (City and State) Tampa, Florida	(3) ROLE Subconsultant - Geotechnical
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. EXAMPLE PROJECT KEY NUMBER 9
---	--

21. TITLE AND LOCATION (City and State) Hillsborough County Stormwater Continuing Contract Hillsborough County, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016 - Present	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION		
--	--	--

a. PROJECT OWNER Hillsborough County Board of County Commissioners – Stormwater Department Client: DRMP, Inc.	b. POINT OF CONTACT NAME Scott Garth, PE	c. POINT OF CONTACT TELEPHONE NUMBER 813-265-9800 sgarth@drmp.com
---	---	--

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

This Work Order Contract for Hillsborough County has included several drainage and stormwater projects. AREHNA has performed several geotechnical explorations under this contract. Pavement evaluation and a drainage study were also part of various tasks. Services included Standard Penetration Test borings, auger borings, installation of piezometers, permeability testing, pavement cores and laboratory classification testing. Recommendations for design and site preparation were provided. Representative projects have included:

- Taylor Road Drainage Improvements The purpose of this geotechnical exploration was to obtain information concerning the site and subsurface soil conditions at the site of the proposed construction of a new storm sewer system and a new proposed storm water retention pond along Taylor Road in Hillsborough County, Florida. The proposed storm water retention pond will be northwest of the intersection of Taylor Road and Main Street, and the new proposed storm sewer system is along the east side of Taylor Road.
- W. Hanna Avenue Culvert Replacement The purpose of this geotechnical exploration was to obtain information concerning the pavement and subsurface soil conditions along the alignment of a proposed replacement stormwater culvert. The proposed replacement stormwater culvert extends along the south side of W. Hanna Avenue between N. Manhattan Avenue and N. Hale Avenue, in Tampa (Hillsborough County), Florida. Performed SPT borings, pavement cores & soil testing.
- 58th Street Drainage Improvements Gibson Pump Station Renewal & Replacement Project. Performed SPT borings & soil testing.
- East Lake Drainage Improvements The purpose of our geotechnical study is to obtain information on the general subsurface conditions at the proposed project site. Performed SPT borings, shallow hand auger borings & soil testing.
- Jean Street Drainage The purpose of this geotechnical exploration was to obtain information concerning the site and subsurface soil conditions at the site of a proposed project to construct a new swale/storm sewer along Jean Street in Hillsborough County, Florida. Performed SPT borings, shallow hand auger borings & soil testing.



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

a.	(1) FIRM NAME AREHNA Engineering, Inc.	(2) FIRM LOCATION (City and State) Tampa, Florida	(3) ROLE Subconsultant - Geotechnical
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

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
Jessica McRory, PE	Project Manager	X	X	X	X	X	X	X	X	X	X
Amanda Pereira, PE	Materials Testing Task Lead	X	X	X	X	X	X	X	X	X	X
Kristina LaCava, PE	Geotechnical Task Lead	X	X	X	X		X	X	X	X	X
Kirk Eastman, PE	Sr. Geotechnical Engineer		X	X		X	X		X	X	
Sonia Florence, PE	Sr. Geotechnical Engineer		X	X	X					X	
Joseph Prendergast, PE	Sr. Geotechnical Engineer		X	X					X	X	
April Schmitz	Lab Manager	X	X	X	X	X	X	X	X	X	X
Stephen Long, PE	Materials Engineer	X	X	X	X	X		X	X	X	X

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	19th Avenue Water/Wastewater/Reclaimed Water Pipelines Hillsborough County, Florida	6	Miscellaneous A/E Services Contract for Potable Water, Wastewater and Reclaimed Water Projects Manatee County, Florida
2	City of Tampa A/E Work Order Contract Wastewater Department, Stormwater Department and Transportation Department Tampa, Florida	7	Pinellas County Geotechnical Engineering and Materials Testing Contract Pinellas County, Florida
3	David L. Tippin Water Treatment Facility Chemical System Improvements (Design-Build) Tampa, Florida	8	Miscellaneous Professional Services for Geotechnical Materials Testing and Inspection Continuing Services Contract St. Petersburg, Florida
4	Dale Mabry Wastewater Treatment Plant Diversion Pipelines, Hillsborough County, Florida	9	Hillsborough County Stormwater Contract Hillsborough County, Florida
5	City of Tampa - San Carlos Pumping Station Rehabilitation (Design-Build) Tampa, Florida	10	Downtown Infrastructure Improvements Tampa, Florida

TAB 5 | MANAGEMENT APPROACH/PROJECT CONTROL

MANAGEMENT APPROACH/PROJECT CONTROL

APPROACH

AREHNA's primary workload is made up of continuing services contracts just like this so we have a firm grasp on the what it takes to be successful. Communication is key and we have streamlined our project management and scheduling processes and procedures to allow us to be efficient and timely, particularly on continuing services contracts.

SCHEDULE: AREHNA uses a tracking system that incorporates calendar notifications to ensure that our engineers and technicians are where they need to be with the information required to execute the task.

BUDGET: AREHNA's accounting system includes budget tracking, which provides regular reports describing project labor charges, direct costs to the project, and relative percent of the fee utilized. This assists in tracking revenues and staffing needs.

The following summarizes how we typically utilize controls to maintain both schedule and budget and how we intend to for this contract.

Experienced Project Management - The responsibility for directing the performance of all work will be assigned to our Project Manager, Jessica McRory. She will be responsible for project management, assignment of tasks, personnel supervision and review of reports for all services performed. Ms. McRory will be directly responsible for ensuring that the AREHNA Team's services are performed in a timely and professional manner and within the budgets allocated for the assigned project. Ms. McRory will be the direct point of contact for the City's Project Manager, and will coordinate her schedule to accommodate the meeting and reporting needs of the City. She can be reached 24/7 on her cell phone at 813-758-4465.

AREHNA is committed to ensuring that services flow smoothly and have identified Ms. Kristina LaCava and Ms. Amanda Pereira as the task managers for geotechnical and construction services, respectively. Task Managers will assist Ms. McRory in executing the contract successfully and adding value to the contract. Ms. McRory will hold biweekly internal meetings to review active work orders with respect to the schedules and budgets to ensure each task stays on track.

Streamlined Project Task Assignment - While a variety of tasks may be assigned under this contract, our process will be consistent from a management perspective. To avoid confusion and ensure tasks are handled efficiently and effectively, we offer a single point of contact for all new task orders, AREHNA's Project Manager, Jessica McRory. Upon receipt of the Work Order, we will coordinate with City's Project Manager to gain an understanding of the objective of the project, define any project issues or concerns and get an understanding of the desired schedule. Based on our experience with similar projects or specific site characteristics, we will provide input if scope adjustments that may need to be made to ensure that the goals of the project are met. Once in agreement on the scope, AREHNA will prepare a detailed proposal outlining the scope items, schedule and budget.

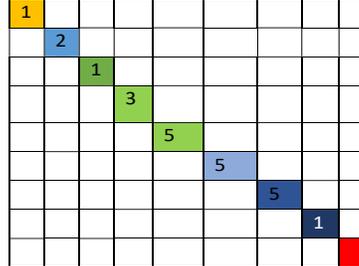
Upon receipt of the Work Authorization from the City, the project is immediately set up internally. The project scope, schedule and budget are defined in our internal tracking system and internal staff are assigned to the task, as needed based on qualifications and availability. Our timesheet system allows us to pull reports at any time to monitor the effort hitting a particular project or task. For larger projects, the system tracks testing quantities to ensure the Project Manager can look at the project and get a real time picture of % complete and the level of effort spent on each task. This visibility has been extremely helpful to keeping our projects on time and on-budget. We will communicate with the City throughout the task to keep all parties up to date on the progress of field work, lab testing, reporting and analysis or whatever the scope entails. All AREHNA deliverables are subject to a stringent QA/QC process to ensure that the final product is accurate, clearly communicated and free of error. Deliverable is then ready for submission to the City in the manner outlined in the Work Order.

The following is a process for a typical geotechnical assessment.

Typical Process for Simple Geotechnical Tasks

- Task Assignment
- Scope and Budget Development
- Work Authorization
- Utility coordination, permitting, boring location
- Mobilize Drill Rig and Perform Field Testing
- Soil Classification and Laboratory Testing
- Geotechnical Analysis
- Reporting & Timely Invoicing
- Task Completion

Timeline - Typically 3 to 4 weeks



Because we own our equipment, we have control and are well prepared to meet the most aggressive schedules. We will coordinate and keep the City informed throughout the task execution process.

Materials Testing Tasks

Document Submission - At the kick-off of each task, we will be sure to gain an understanding of the desired communication and document submission methods and the list of people to be notified of all testing and inspection reports. Our reports contain all the required information in a clear and concise format. We will be responsive to the City's needs. The following is a sample of our typical testing reports:

Project and Document Coordination - AREHNA will coordinate all services with members of the design and construction team to ensure that testing and inspections are in accordance with the current project plans and specifications. We will do a careful review of the plan documents before any testing or inspections occur to identify inconsistencies related to testing.

Reporting - Sample reports are presented above. The AREHNA Team will provide reports for all testing and inspections performed under this agreement. Field Test Results will be provided immediately after testing in the field. Field test results will be sent within 24 hours. Failing field and laboratory tests will be communicated immediately, as outlined in the RFQ. Reports shall be generated for results and corresponding evaluation of testing against specified requirements and distributed electronically to the designated Project Manager within 24 hours of the completion of each test or inspection.

Qualified Engineering Technicians - The AREHNA Team will provide all necessary on-site personnel and equipment to handle and protect materials being tested. This includes certified and qualified technicians who are fully trained with the testing equipment and procedures required for each test. All of our technicians are experienced, qualified and maintain multiple ACI and CTQP certifications for earthwork and concrete testing activities.

Project Disbursement Tracking - AREHNA accomplishes schedule and cost control through careful project planning, measuring performance against the plan, evaluating corrective actions as needed, and communicating this information to the project team and Client efficiently. Invoicing will be performed monthly and will be submitted in a timely manner on the City’s schedule. Invoices will list the type, quantity and description of each test performed. Test results will be attached to each invoice, and original invoices will be sent to the Engineering Department with the required back up. All costs associated with retesting and recertification will be tracked and invoiced separately. AREHNA believes that the key elements of successful task executions are as follows:



Communication – Strong lines of communication are vital to the success of all projects, but particularly on task-based contracts. Upon receipt of a task, the scope is reviewed, and the above outlined process is put into action. Project schedules and budgets will be promptly communicated back to the City. Project details, assignments and instructions are communicated internally and to our subconsultants through our electronic schedule database. This process is efficient and reduces confusion when working on contracts with many moving parts. All field staff are equipped at a minimum with a smart phone. Depending on the role and task, many inspectors also have laptops or tablets in their vehicles to ensure easy communication and transmission of field data.

Responsiveness – Upon receipt of a Task Assignment, we will respond within 2 hours to the City and confirm that we have received and understand the outlined scope of work. Our engineers and technicians will report to the requested location before the time expected with a clear understanding of the scope of work to be performed. Our team will be prepared with the necessary project background and equipment. Our in-house drilling capabilities provide close control over project schedules. Our team’s staff has the necessary certifications, qualifications and experience to perform the services outlined in the RFQ. We also understand that the projects performed under this contract could require response times that are not limited to standard business hours. We are equipped to provide emergency services and have experience with 24-hour operations through our continuing sinkhole and FDOT contracts.

Schedule and Reporting - The distribution of all reporting will be established at the beginning of each Task Work Order. For materials testing projects, preliminary test results will be reported within one hour of the completion of the test. Our official reports will be available electronically within 24 hours of testing. Geotechnical and other pre-design reports will be submitted within three weeks of testing and in accordance with the Work Order.

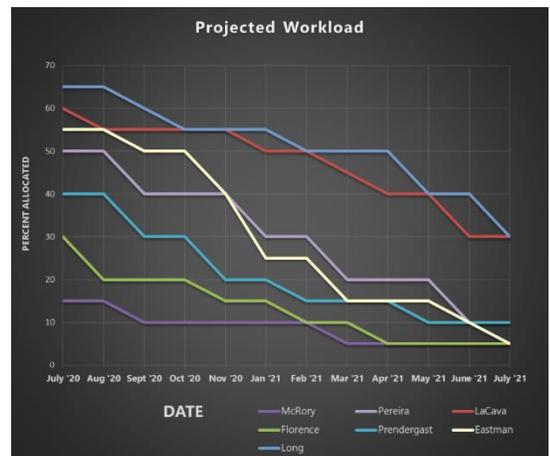
Budget Controls – AREHNA accomplishes schedule and cost control through careful project planning, measuring performance against the plan, evaluating corrective actions as needed, and communicating this information to the team and Client efficiently. AREHNA always strives to utilize the most efficient staffing, balancing technical expertise and proper oversight to maintain quality in all that we do. In our experience, in most cases, if the schedule is properly managed, the project will be completed on budget. If an unforeseen scope modification is needed due to site conditions, written approval will be obtained prior to performing additional work. Invoicing will be performed monthly and will be submitted in a timely manner on the City’s schedule. The invoices will reference the proper project numbers and dates and will include the required back up.

Value – It is AREHNA’s mission to always provide value to our clients and their projects. We commit to provide innovative and cost-effective solutions on your projects. We evaluate alternatives in design to ensure that our recommendations provide the best value. We also reduce redundancies by taking a personal approach to projects, keeping senior staff engaged and communicating frequently to get the job done right the first time.

Client Service – The highest quality deliverable must be accompanied with the highest degree of service, and AREHNA prides itself on the service we provide our clients. AREHNA enjoys relationships with continued partners we have done business with since our inception in 2009. These clients include large private insurance carriers (confidential) on continuing services contracts, engineering design and environmental firms, Hillsborough, Pinellas and Pasco County, FDOT, City of Tampa, TECO, SWFWMD and FDEP to name a few. These continuing relationships are born out of a commitment to service. In our service to the City of North Port, the AREHNA Team will not only meet your requirements and expectations for project delivery, but the service accompanying our deliverables will be exceptional. As we have demonstrated to our existing clients, the Team will be available and responsive when challenging demands arise to ensure City’s staff knows that their goals and objectives will be achieved through our commitment and personal service.

WORKLOADS

We have been fortunate over the last 11 years to have been successful in winning Prime contracts. These contracts have required the ability to manage many moving parts and have equipped our staff to handle high volumes of work and compressed schedules. We attribute our success in execution to having an organized approach to managing workload. We have put processes into place to ensure that the project stays on task and moves through the design or construction phase efficiently. Although the nature of our workload is currently changing, the majority of our projects are task oriented. Most tasks are assigned and completed generally within a two-month period.



Our current workload is managed day to day with constant communication and assistance of technology to ensure that nothing is missed and that we execute effectively and efficiently. Owning our own equipment, eliminating the need to outsource assists us in controlling our schedule and workload. We are confident that our current workload will not have any impact on the successful execution of geotechnical services under this contract.

The task order nature of the majority of our current workload is apparent in the graph below. All of the listed key personnel are available, ready, and eager to serve the City on this contract. Jessica McRory, AREHNA Project Manager and task managers are available to start immediately on this contract. Our commitment of staff is not made lightly; we have carefully evaluated each key individual’s current and projected workloads.

SERVICES AND QUALITY CONTROL

Quality Assurance/Quality Control – To ensure quality in the Team’s field and laboratory procedures, and accurate, professional reporting in project deliverables, Kirk Eastman, P.E. will be responsible for overseeing all aspects of quality assurance and control for all work performed under this contract. Mr. Eastman has over 27 years of geotechnical and construction experience on thousands of projects requiring the highest standard of quality. For this contract he will maintain his practice of being a daily presence, not only performing formal QA/QC reviews, but also interfacing with staff at all levels as necessary to serve each task and project with his wealth of experience.

QC Plan Overview - Every deliverable, be it a report, CADD sheet or laboratory test result, will undergo a quality control review prior to submission to the City. The reviewer will be an experienced AREHNA Geotechnical Engineer who was not actively involved in the preparation of the deliverable. Upon completion of the review, the reviewer returns the marked-up review document(s) along with his/her comments. The comments are reviewed and given concurrence by the appropriate Project Engineer and the Project Manager to maintain consistency.

In summary, the quality control review consists of documentation of the agreement between two qualified professionals (the Document Originator and the Checker) that each element of work produced and reviewed in association with the Scope of Services conforms to the requirements identified in the Project QC Plan. All Document Originators and Checkers will be experienced, qualified, and paired to provide the required check and balance production and review process. Document Originators are to produce or directly supervise the work and personally

check and be responsible for conformance to project requirements. Checkers will have qualifications equal to or better than those of the Designer. The Checker will verify assumptions used, check references for accuracy, and verify calculations and other design data. If discrepancies or questions arise, these will be referred to the Project Manager.

QUALITY CONTROL STAMP		
Task	Initials	Date
QC Ready - DO (Blue)		
QC Check - QCC (Yellow/Red)		
Concurrence - DO (Blue)		
QC Changes Made - DO (Yellow)		
Corrections Accepted - QCC (Green)		
Documents QC Stamp Covers:		

AREHNA's Quality Control Tracking Stamp is used on all QC review documents and is applied to the cover of a bound set of documents or to individual unbound sheets. The responsible person at each step of the QC review process is required to initial and date in the appropriate space on the stamp to indicate completion of that step.

Report Checking - Once the report writing has progressed to an appropriate stage of development, a review draft will be assembled and sent to the reviewers, one of which is the Project Manager. The reviewers will be given a specific and reasonable deadline for completing their reviews.

Review comments/corrections are marked on the review draft in red. Upon completion of the review, the reviewer signs and dates the cover page of the draft and returns the draft to the originator. The originator then confirms or revises the corrections and comments, adds his/her own corrections/comments, and consults with the appropriate person(s) to resolve any conflicts. The originator then makes the corrections to the text. The draft is placed in the project files after the document is finalized. In our service to City of North Port, the AREHNA Team will not only meet your requirements and expectations for project delivery, but the service accompanying our deliverables will be exceptional. As we have demonstrated to our existing clients, our Team will be available and responsive when challenging demands arise; thereby assuring City staff that their goals and objectives will be achieved.

Calculations- Manual calculations will be prepared in pencil. A calculation may also include other forms, charts, graphs, data sheets, computer printout, etc. The designer signs and dates each computation sheet as it is completed. Assumptions upon which calculations are based shall be stated in the calculations. Assumptions with limited application should immediately precede the calculations to which they apply. Calculations issued for approval or support drawings or other work issued for approval will be checked. No designer will check his or her own work. The checker will be experienced in the discipline being checked and have a level of knowledge and qualifications sufficient to have performed the calculation. Cursory supervisory reviews do not satisfy the intent of this procedure.

The designer determines the point at which design work has progressed sufficiently that checking can begin on a completed portion of work. The designer reviews the data and the scope of the work with the assigned checker. The designer provides the checker with design criteria, copies of pertinent information, related drawings, and related calculations. A design check includes verification of the introductory material on the calculation sheet, as well as the calculation itself. The checker verifies that all information is appropriate, correct, complete, consistent, legible, and reproducible. To do this, the checker needs to follow a logical method to make sure that he/she has not missed verifying any data. The standard policy is to check the major items of importance first.

The checker will mark items to indicate either his/her agreement or disagreement. When satisfied that all comments and discrepancies have been properly resolved, the checker will place his/her name/initials and date on each original calculation sheet in the "Checked By" space.

TAB 6 | REFERENCES

VENDOR REFERENCES

1

Contract: Pinellas County Geotechnical and Materials Testing Contract

Contact: Brian Mowry, Sr. Dept. Administrative Manager
 Pinellas County Construction Management Division
Address: Building 16, 22211 U.S. Highway 19 North, Clearwater, FL 33765
Phone: 727.742.4085 Email: bmowry@pinellascounty.org



Services: Geotechnical Engineering & Materials Testing Services, 2019 - Present
Summary: Task Order Contract - AREHNA is currently supporting multiple ongoing transportation projects. Scope includes performing soil density, asphalt, and concrete quality control testing.
Cost: \$192,000 Task Order Contract

2

Contract: City of Tampa AE Work Order Contract

Contact: Al Hoel, P.E., Chief Engineer
 City of Tampa, Stormwater Engineering Division
Address: 306 E. Jackson Street 6N, Tampa, Florida 33602
Phone: 813.274.8462 Email: Al.Hoel@tampagov.net



Services: Geotechnical Engineering & Materials Testing Services, 2018 - Present
Summary: Task Order Contract - AREHNA has provided geotechnical engineering and QC testing and inspection services for public works projects.
Cost: \$130,000 Task Order Contract

3

Contract: City of St. Petersburg, Geotechnical Materials Testing and Inspection

Contact: Brejesh Prayman, P.E., ENV SP, M.ASCE, Director
 City of St. Petersburg, Engineering & Capital Improvements Department
Address: 220 West 7th Avenue, Suite 200, Tampa, Florida 33602
Phone: 727.893.7295 **Email:** Brejesh.Prayman@stpete.org



Services: Geotechnical Engineering & Materials Testing Services, 2013 - 2018
Summary: Task Order Contract - AREHNA is currently providing on-call geotechnical engineering, forensic investigation, laboratory material testing, and field exploration for the City.
Cost: \$35,500 Task Order Contract

4

Contract: City of Tarpon Springs, Geotechnical & Construction Materials Testing Services Contract

Contact: Mr. Nick Makris, PMP, Projects Supervisor, Project Administration Department
 City of Tarpon Springs
Address: 324 E. Pine Street Tarpon Springs, Florida 34689
Phone: 727-942-5610, ext. 2271 **Email:** nmakris@ctsfl.us



Services: Geotechnical Engineering & Materials Testing Services, 2019 - Present
Summary: AREHNA serves as the Prime Consultant on this Professional Services Engineering task order contract and provides on an as-needed basis Geotechnical Engineering Services to include soil exploration, geotechnical exploration testing, geophysical surveys, roadway materials testing, foundations studies, construction materials sampling testing and reporting, pavement evaluation and reporting. The work also consists of precautionary and emergency sinkhole evaluation/assessment and remediation/stabilizing.
Cost: \$72,000 Task Order Contract

5

Contract: City of St. Petersburg – Miscellaneous Professional Services for Stormwater Management, Transportation and Bridge Improvement Projects

Contact: Jason LaBarbera, PE, Kisinger Campo & Associates
Address: 220 West 7th Avenue, Suite 200, Tampa, Florida 33602
Phone: 813-871-5331 **Email:** Jason.LaBarbera@kisingercampo.com



Services: Geotechnical Engineering & Materials Testing Services, 2013 – Current
Summary: AREHNA has provided geotechnical services for several transportation and stormwater related projects under this contract. Scopes have included Standard Penetration test borings, laboratory analysis, wall and bridge analysis, pavement coring and associated Maintenance of traffic.
Cost: \$51,000 Task Order Contract

6

Contract: Manatee County - Miscellaneous A/E Services Contract for Potable Water, Wastewater and Reclaimed Water Projects

Contact: Christopher Martin, PE, Ayres Associates
Address: 5802 Benjamin Center Dr Suite 101, Tampa, FL 33634
Phone: 813-978-8688 **Email:** MartinC@AyresAssociates.com



Services: Geotechnical Engineering & Materials Testing Services, 2019 - 2020
Summary: AREHNA has provided geotechnical services for several water main replacements throughout Manatee County. AREHNA provided Geotechnical Engineering Services and performed shallow auger borings and Standard Penetration Test (SPT) borings at each site.
Cost: \$35,000 Task Order Contract

TAB 7 | LITIGATION AND INSURANCE

SUMMARY LITIGATION

2017-CA-002488 August 2017

Circuit Court of the 6th Judicial Court, Pasco County

AREHNA was named along with a contractor for failed sinkhole repair of a residence. The claim was frivolous and without merit. AREHNA performed a sinkhole investigation determined that there was sinkhole activity. A contractor was engaged to stabilize the residence as recommended. After the insurance company paid the insured and the contractor for the repairs, the plaintiff claimed failed repair. The repair was not failed, and no wrongdoing was found on AREHNA or the contractor's part. The claim was settled and dismissed without going to trial.



AREHENG-01

NGONZALEZ

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
5/23/2019

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 Ames & Gough 8300 Greensboro Drive Suite 980 McLean, VA 22102	CONTACT NAME: PHONE (A/C, No, Ext): (703) 827-2277 FAX (A/C, No): (703) 827-2279 E-MAIL ADDRESS: admin@amesgough.com
INSURER(S) AFFORDING COVERAGE	
INSURED	INSURER A: RLI Insurance Company A+, XI 13056 INSURER B: Phoenix Insurance Company A+, XV 25623 INSURER C: Travelers Indemnity Co. of America A++, XV 25666 INSURER D: Nautilus Insurance Company A+, XV 17370 INSURER E: INSURER F:
Arehna Engineering, Inc. 5012 W. Lemon Street Tampa, FL 33609	

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 WVR	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractual Liab.			PSB0003479	5/26/2019	5/26/2020	EACH OCCURRENCE \$ 1,000,000
							DAMAGE TO RENTED PREMISES (EA occurrence) \$ 1,000,000
							MED EXP (Any one person) \$ 10,000
							PERSONAL & ADV INJURY \$ Included
							GENERAL AGGREGATE \$ 2,000,000
							PRODUCTS - COMP/OP AGG \$ 2,000,000
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			BA-4E982230	5/26/2019	5/26/2020	COMBINED SINGLE LIMIT (EA accident) \$ 1,000,000
							BODILY INJURY (Per person) \$
							BODILY INJURY (Per accident) \$
							PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE			PSE0002011	5/26/2019	5/26/2020	EACH OCCURRENCE \$ 5,000,000
							AGGREGATE \$ 5,000,000
							DED <input checked="" type="checkbox"/> RETENTION \$ 0
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	UB-1H227487	5/26/2019	5/26/2020	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Professional Liab.			RDP0036391	5/26/2019	5/26/2020	Per Claim/Aggregate 2,000,000
D	Pollution Liability			CPL2012378-14	7/31/2018	7/31/2019	Per Claim/Aggregate 5,000,000

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

CERTIFICATE HOLDER EVIDENCE OF COVERAGE	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
---	--



TAB 8 | ADDITIONAL INFORMATION

H. ADDITIONAL INFORMATION

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

GEOTECHNICAL ENGINEERING

AREHNA provides comprehensive site analyses and expertise in underground exploration and design. Geotechnical services commence with project planning and design and extend into construction.

Field Exploration -Thorough geotechnical exploration is fundamental to the planning of site development and design structures, utilities and roadways. AREHNA's highly qualified professionals are skilled in a wide variety of exploration techniques including Standard Penetration Testing, Cone Penetration Testing and Geophysical Surveys to characterize sites.

Drilling and Field Services -AREHNA has experienced, in-house drilling capabilities allowing us the flexibility to control the schedule and minimize costs. The following are field services typically performed:

- Piezometer Installation
- Borehole Permeability Testing
- Double Ring Infiltration Testing
- Test Pits
- Pavement Coring
- Soil Boring and Sampling
- Shallow Auger Boring
- Standard Penetration Test borings
- Hollow Stem Auger Borings

We perform in-house drilling and have three drill rigs:

1. Tracked-mounted BR-2500 drill rig – ideal for tight access.
2. Truck-mounted CME 45 with Auto-hammer
3. Truck-mounted CME 45



Groundwater Level Determination - Seasonal high groundwater levels and hydraulic conductivity values of soils are integral to the design process for storm water removal from any site. AREHNA supplies information to design team members for use in development of grading plans relative to soils and topography encountered on-site.

Foundation Analysis -From power plants to commercial high-rises to FDOT bridges, AREHNA's professional staff utilizes their extensive experience to fully evaluate structure load and soil conditions. We perform detailed settlement and bearing capacity analysis for each project. Whether it is for a shallow footing system or a deep foundation system, we provide our clients with a thorough foundation analysis and comprehensive recommendations. Our experience includes a wide range of foundation systems including driven piles, mats, drilled shafts, auger cast piles and multiple ground improvement techniques.

Pavement Analysis - AREHNA personnel have extensive experience providing designs for new and rehabilitated pavements. Pavement thickness designs are developed using standard design methods and the results of laboratory testing. Optimal pavement repair strategies are developed to evaluate special situations where pavement performance has not met expectations and provide objective pavement evaluation to determine the causes of less than desired performance. Our recommendations are based upon AASHTO design methods, and reflect requirements of the Florida Department of Transportation and the Federal Highway Administration.

Slope Stability Analysis - Performing slope analysis requires detailed knowledge of soil strength parameters such as friction angle and cohesion obtained through field exploration and laboratory testing. AREHNA's experienced staff has performed numerous slope stability analyses on natural and fill slopes. We also provide recommendations for stabilization of existing unstable slopes, such as installation of retaining structures, erosion control measures, and soil nailing.

Geosynthetics - AREHNA's engineers have utilized geosynthetics in the stabilization of soft subgrade soils, mechanically stabilized earthen structures, foundation reinforcement, retaining walls, pavement reinforcement, filters, and separation layers.

CONSTRUCTION MATERIALS TESTING AND INSPECTION

Specifications are enforced through quality control in construction. Systematic testing of construction materials is the means by which the architect, engineer, or owner can be sure that materials being used by the contractor are of the quality specified.

AREHNA is staffed and equipped to provide trained engineering technicians at the construction site to perform required tests and inspections related to soils, concrete and pavement systems. Additionally, our in-house, AMRL and CCRL inspected, construction materials laboratory performs laboratory testing on soil, asphalt and concrete samples. All field and laboratory testing is reviewed by engineers who have previous experience with materials testing and inspection services required for the construction of structures, roads, bridges, parking lots, and airfields.

Soil and Rock Testing- Soils are tested in AREHNA's laboratory to define soil properties, characteristics, and to determine the optimum moisture content and maximum dry density of different soils. Findings are used to determine compliance with project specifications, as well as to identify possible constructability issues. We have assembled an outstanding team of technicians, engineers and geologists to provide test results with high regard to quality. Following is a list of soils tests performed by our in-house laboratory and field technicians:

- Moisture-Density Relationship of Soils
- In-Place Density testing using Nuclear Density gauges, drive sleeves and/or sand cone method
- Moisture Content of Soils
- Organic Content
- % Finer than a No. 200 Sieve (-200 wash)
- Particle Size Analysis of Soils by Hydrometer
- Liquid and Plastic Limits of Soils (Atterberg Limits)
- Grain-Size Analysis
- Classification of Soils (Unified System)
- Direct Shear
- Consolidation
- Triaxial Testing
- Expansion Index of Soils
- pH Testing of Soils
- Corrosion Series Testing
- Splitting Tensile Testing
- Unconfined Compression Testing
- Gradation of Soils Using Sieve Analysis
- Limerock Bearing Ratio
- California Bearing Ratio
- Specific Gravity of Soils
- Sand Equivalent Test



Concrete, Grout and Mortar Testing - Our engineering technicians are ACI and CTQP certified and have inspected, sampled and tested the concrete on numerous public and private sector projects. The concrete testing services our and laboratory currently provides are listed below:

- Molding, Curing, Capping and Compressive Strength Testing
- Slump and Temperature
- Unit Weight of Freshly Mixed Concrete
- Air Content of Freshly Mixed Concrete by Volumetric Method
- Air Content of Freshly Mixed Concrete by Pressure Method
- Concrete Coring
- Flow testing of grout (flow cone method)



Asphalt Testing - Laboratory services for asphalt include mix design verification, along with other associated tests such as extraction and gradations testing. AREHNA's staff has extensive experience with Superpave and Marshall mix designs. AREHNA provides field and laboratory testing services and is familiar with the requirements of the Florida Department of Transportation, Federal Aviation Administration, the Federal Highway Administration, as well as local municipalities and agencies. In addition, AREHNA also has CTQP Certified Asphalt Plant Technicians. Our laboratory currently provides the following asphalt concrete testing:

- Asphalt Content by Ignition Method
- Mechanical Analysis of HMA
- Maximum Specific Gravity of Hot Mix Asphalt (RICE testing)
- Bulk Specific Gravity of Compacted Hot Mix Asphalt
- Asphalt Coring



Aggregate Testing - The quality of aggregates can be determined through laboratory testing. The following is a list of the testing performed by AREHNA's laboratory:



- Sampling Aggregates
- Material Finer Than No. 200 Sieve
- Organic Impurities in Sands
- Sieve Analysis of Aggregates
- Fine Aggregate Specific Gravity and Absorption
- Coarse Aggregate Specific Gravity and Absorption
- LA Abrasion Testing
- Moisture Content of Aggregate by Oven Drying

Fireproof and Coating Testing - AREHNA performs visual and physical tests to identify the condition of the substrates, thickness of the application, density, bond strength, adhesion/cohesion, condition of the finished application, inspection of patching for sprayed fiber and cementitious fire-resistive materials. The tests include:

- Thickness and Density of SFRM Applied to Structural Members
- Cohesion/Adhesion of SFRM Applied to Structural Members

Construction Monitoring and Inspection - When a project enters the construction phase, our team is ready to support the project with inspections, observations, and field testing. Some of these services include:

- Compaction and Chemical Grout Monitoring
- Augercast Pile Monitoring
- Vibroreplacement Monitoring
- Foundation Excavation Inspection
- Drilled Shaft Monitoring
- Pile Driving Monitoring
- Load Test Monitoring
- Soil Anchors/Tie-back Anchor Monitoring
- Vibration Monitoring
- Post-Tensioned Concrete Monitoring



Quality Control - Stringent quality assurance and quality control procedures provide results engineers can rely on as they consider recommendations. A dedicated QA/QC manager is responsible for all quality aspects of work performed under each contract.

Accreditation - AREHNA's laboratory is FDOT approved, US Army Corps of Engineers Validated, AASHTO accredited inspected by AMRL (AASHTO Materials Reference Laboratory), CCRL (Cement and Concrete Reference Laboratory). AREHNA participates in the AASHTO Proficiency Sample Program. Our laboratory is AASHTO R18, ASTM E329, C1077 and D3740 accredited.

I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE

32. DATE

July 20, 2020

33. NAME AND TITLE

Jessica A. McRory, PE, LEED AP, President



AREHNA | Engineering, Inc.



TAB 9 | SUBMISSION REQUIREMENTS AND REQUIRED SUBMITTAL FORMS

B. REQUIRED SUBMITTAL FORMS: City Required Submittal Forms/Checklist

READ/EXECUTED & INCLUDED

- Proposal Submittal Signature Form
- Statement of Organization
- References
- Drug-Free Workplace (If Applicable)
- Public Entity Crime Information
- Non-Collusive Affidavit
- Lobbying Certification
- Conflict of Interest Form
- Disclosure Form (Consultant/Engineer/Architect)
- Scrutinized Business Certification Form

State Registration Requirements (<http://www.sunbiz.org/search.html>)

- Copy of Registration, Attached
 - State required license for Prime Firm Only (Not sub-consultants)

SAMPLE INSURANCE CERTIFICATE: Demonstrate your firm's ability to comply with insurance requirements. Provide a previous certificate or other evidence listing the Insurance Companies names for both Professional Liability and General Liability and the dollar amounts of the coverage.

- YES NO Sample Insurance Certificate is included with the submittal

MBE/WBE/VBE: If claiming Minority Business Enterprise/Women Business Enterprise/Veterans Business Enterprise, the Prime Firm (not sub-consultant) shall be certified as a Minority Business Enterprise by the State of Florida, Department of Management Services, Office of Supplier Diversity pursuant to Section 287.0943, Florida Statutes.

- YES, CLAIMING MBE/WBE/VBE STATUS AS PRIME ONLY
- YES, I'VE ATTACHED THE CERTIFICATE OF MBE/WBE/VBE STATUS FROM THE STATE OF FLORIDA AS OUTLINED SECTION 12.
- NOT CLAIMING MBE/WBE/VBE

THIS PAGE MUST BE COMPLETED AND SUBMITTED WITH YOUR PROPOSAL



**PROPOSAL SUBMITTAL SIGNATURE
FORM**

The undersigned attests to his/her authority to submit this proposal and to bind the firm herein named to perform as per Agreement, if the firm is awarded the Agreement by the City.

The undersigned further certifies that he/she has read the Request for Proposal, Terms and Conditions, Insurance Requirements and any other documentation relating to this request and this proposal is submitted with full knowledge and understanding of the requirements and time constraints noted herein.

As addenda are considered binding as if contained in the original specifications, it is critical that the firm acknowledge receipt of same. The submittal may be considered void if receipt of an addendum is not acknowledged.

Addendum No. 1 Dated July 2, 2020 Addendum No. _____ Dated _____
Addendum No. 2 Dated July 10, 2020 Addendum No. _____ Dated _____
Addendum No. 3 Dated July 10, 2020 Addendum No. _____ Dated _____

Company Name AREHNA Engineering, Inc.

813-944-3464 jmcrory@arehna.com 813-944-4959
Telephone # E-Mail Fax #

5012 W Lemon Street
Main Office Address

Tampa Florida 33609
City State Zip Code

Address of Office Servicing City of North Port, if different than above: SAME AS ABOVE

Office Address

City State Zip Code

Telephone # E-mail Fax #

Jessica McRory, President
Name & Title of Firm Representative

Jessica McRory July 15, 2020
Signature Date

Do you accept Visa? YES NO

THIS PAGE MUST BE SUBMITTED WITH PROPOSAL





STATEMENT OF ORGANIZATION
(Information Sheet for Transactions and Conveyances Corporation Identification)

The following information will be provided to the City of North Port for incorporation in legal documents. It is, therefore, vital all information is accurate and complete. Please be certain all spelling, and capitalization is exactly as registered with the state or federal government.

Name of Respondent: AREHNA Engineering, Inc.

DBA (if any): _____

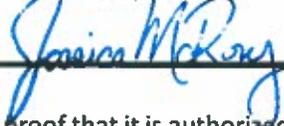
Type of Entity (Sole Proprietor, Corporation, LLC, LLP, Partnership, etc.): Corporation

Business Address: 5012 W Lemon Street, Tampa, Florida 33609

Phone: 813-944-3464 Fax: 813-944-4959 E-Mail jmcrory@arehna.com

Print Name and Title of person authorized to bind: Jessica McRory, President

Federal Identification Number: 26-3947444

Signature: 

Respondent shall submit proof that it is authorized to do business in the State of Florida unless registration is not required by law.

(Please Check One)

Is this a Florida Corporation: Yes or No

If not a Florida Corporation,
In what state was it created: _____
Name as spelled in that State: _____

What kind of corporation is it: "For Profit" or "Not for Profit"

Is it in good standing: Yes or No

Authorized to transact business
in Florida: Yes or No

State of Florida Department of State Certificate of Authority Document No.: P08000110763

Does it use a registered fictitious name: Yes or No

THIS PAGE MUST BE SUBMITTED WITH PROPOSAL



Names of Officers:

President: Jessica McRory Secretary: _____

Vice President: Amanda Pereira Treasurer: _____

Director: _____ Director: _____

Other: _____ Other: _____

Name of Corporation (As used in Florida):

AREHNA Engineering, Inc.

(Spelled exactly as it is registered with the state or federal government)

Corporate Address:

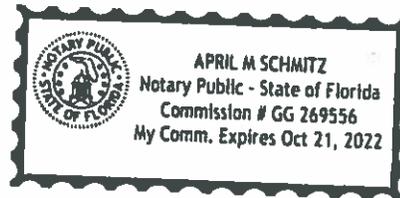
Post Office Box: _____
Street Address: 5012 W Lemon Street
City, State, Zip: Tampa, Florida 33609

STATE OF FLORIDA
COUNTY OF Hillsborough

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this 15th
day of July, 2020, by Jessica McRory and Amanda Pereira.

April M. Schmitz
Notary Public - State of Florida

Personally Known OR _____ Produced Identification
Type of Identification Produced N/A



THIS PAGE MUST BE SUBMITTED WITH PROPOSAL



REFERENCES/CLIENT LISTING

The firm shall provide a minimum of six (6) business related references for which they are currently providing or have provided within the last five (5) years, services similar to the scope of services required by this RFP. Of the six (6) references, please provide at least two (2) references for each of the following two disciplines: potable water treatment and wastewater treatment; and, provide at least one (1) reference for each of the following two disciplines: pipeline design and hydrogeology. If the firm has any indirect or direct potable reuse experience, please provide a reference. Attach additional sheets if necessary.

1. Business/Customer Name: Pinellas County Construction Management Division

Name of Contact Person/Title: Brian Mowry, Sr. Dept. Administrative Manager

Telephone# 727.742.4085 Fax 727.464-8880 E-mail bmowry@pinellascounty.org

Address Building 16, 22211 U.S. Highway 19 North, Clearwater, FL 33765

Phone Number 727.742.4085 Discipline (circle): Geotechnical Support

Duration of Contract or business relationship 2019 - Present

Type of Services Provided Geotechnical Engineering and Materials Testing Services

2. Business/Customer Name: City of Tampa, Stormwater Engineering Division

Name of Contact Person/Title: Al Hoel, P.E., Chief Engineer

Telephone# 813.274.8462 Fax 813.274.8809 E-mail Al.Hoel@tampagov.net

Address 306 E. Jackson Street 6N, Tampa, Florida 33602

Phone Number 813.274.8462 Discipline (circle): Geotechnical Support

Duration of Contract or business relationship 2018 - Present

Type of Services Provided Geotechnical Engineering and Materials Testing Services

3. Business/Customer Name: KCA

Name of Contact Person/Title: Jason LaBarbera, PE, Senior Engineer

Telephone# 813-871-5331 Fax _____ E-mail Jason.LaBarbera@kisingercampo.com

Address 220 West 7th Avenue, Suite 200, Tampa, Florida 33602

Phone Number 813-871-5331 Discipline (circle): Geotechnical Support

Duration of Contract or business relationship 7 years

Type of Services Provided Geotechnical Engineering Services

COMPANY NAME: AREHNA Engineering, Inc.

SIGNATURE: *Jessica Mowry*

THIS PAGE MUST BE SUBMITTED WITH PROPOSAL





4. Business/Customer Name: Ayres Associates

Name of Contact Person/Title: Christopher Martin, PE

Telephone# 813-978-8688 Fax _____ E-mail MartinC@AyresAssociates.com

Address 5802 Benjamin Center Dr Suite 101, Tampa, FL 33634

Phone Number 813-978-8688 Discipline (circle): Geotechnical Support

Duration of Contract or business relationship 2 years

Type of Services Provided Geotechnical Engineering Services

5. Business/Customer Name: City of Tarpon Springs

Name of Contact Person/Title: Mr. Nick Makris, PMP, Projects Supervisor, Project Administration Department

Telephone# 727-942-5610, ext. 2271 Fax 727.938.8400 E-mail nmakris@ctsfl.us

Address 324 E. Pine Street Tarpon Springs, Florida 34689

Phone Number 727-942-5610 Discipline (circle): Geotechnical Support

Duration of Contract or business relationship 2019 - Present

Type of Services Provided Geotechnical Engineering & Materials Testing Services

6. Business/Customer Name: City of St. Petersburg, Engineering & Capital Improvements Department

Name of Contact Person/Title: Brejesh Prayman, P.E., ENV SP, M.ASCE, Director

Telephone# 727.893.7295 Fax 727.892.5102 E-mail Brejesh.Prayman@stpete.org

Address 220 West 7th Avenue, Suite 200, Tampa, Florida 33602

Phone Number 727.893.7295 Discipline (circle): WTP; WWTF; pipeline; hydrogeo, potable reuse

Duration of Contract or business relationship 2013 - 2018

Type of Services Provided Geotechnical Engineering & Materials Testing Services

COMPANY NAME: AREHNA Engineering, Inc.

SIGNATURE: 

THIS PAGE MUST BE SUBMITTED WITH PROPOSAL





DRUG FREE WORKPLACE FORM

The undersigned Consultant in accordance with Florida Statute 287.087 hereby certifies that AREHNA Engineering, Inc. does:

(Company Name)

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 bid 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 bid, 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 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.

Check one:

- As the person authorized to sign this statement, I certify that this firm complies fully with above requirements.
- As the person authorized to sign this statement, this firm does not comply fully with the above requirements.



Offeror's Signature
July 15, 2020

Date

THIS PAGE MUST BE SUBMITTED WITH PROPOSAL



PUBLIC ENTITY CRIME INFORMATION

As provided by F.S. §287.133, a person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a Contractor, Supplier, Subcontractor, or Consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

I, Jessica McRory, being an authorized representative of the Respondent, AREHNA Engineering, Inc., located at 5012 W Lemon Street
City: Tampa State: Florida Zip Code: 33609, have read and understand the contents above. I further certify that Respondent is not disqualified from replying to this solicitation because of F.S. §287.133.

Signature: Date: July 15, 2020

Telephone #: 813-944-3464 Fax #: 813-944-4959

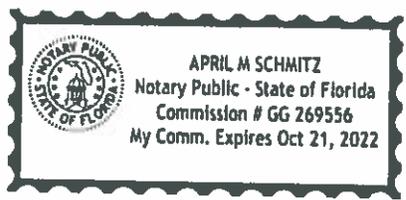
Federal ID #: 26-3947444

STATE OF FLORIDA
COUNTY OF Hillsborough

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this 15th day of July, 2020, by Jessica McRory.

Notary Public - State of Florida

Personally Known OR Produced Identification
Type of Identification Produced N/A



THIS PAGE MUST BE SUBMITTED WITH PROPOSAL

NON-COLLUSIVE AFFIDAVIT

Before me, the undersigned authority, personally appeared: Jessica McRory who, being first duly sworn, deposes and says that:

1. She is the Owner (Owner, Partner, Officer, Representative or Agent) of AREHNA Engineering, Inc., the Respondent that has submitted the attached reply;
2. She is fully informed respecting the preparation and contents of the attached reply and of all pertinent circumstances respecting such reply;
3. Such reply is genuine and is not a collusive or sham reply;
4. Neither the said Respondent nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other respondent, firm, or person to submit a collusive or sham reply in connection with the work for which the attached reply has been submitted; or have in any manner, directly or indirectly sought by agreement or collusion, or communication or conference with any respondent, firm, or person to fix the price or prices in the attached reply or of any other respondent, or to fix any overhead, profit, or cost elements of the reply price or the reply price of any other respondent, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against (AREHNA Engineering, Inc.), or any person interested in the reply work.

Signed, sealed and delivered this 15 day of July, 2020

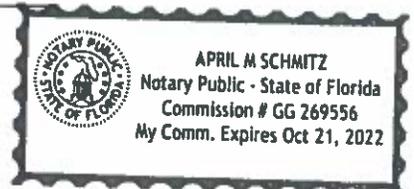
By:

Jessica McRory
(Printed Name)
President
(Title)

STATE OF FLORIDA
COUNTY OF Hillsborough

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this 15th day of July, 2020, by Jessica McRory.

Notary Public - State of Florida



Personally Known OR Produced Identification
Type of Identification Produced N/A

THIS PAGE MUST BE SUBMITTED WITH PROPOSAL

LOBBYING CERTIFICATION

"The undersigned hereby certifies, to the best of his or her knowledge and belief, that":

STATE OF Florida

COUNTY OF Hillsborough

This 15 day July of 2020

Jessica McRory, being first duly sworn, deposes and says that he or she is the authorized representative of AREHNA Engineering, Inc. (Name of the contractor, firm or individual), and that the vendor and any of its agents agree to have no contact or communication with, or discuss any matter related in any way to any active City of North Port solicitation, with any City of North Port elected officials, officers, their appointees or their agents or any other staff or outside individuals working with the city in respect to this request other than the designated Procurement Official Contact and to abide by the restrictions outlined in the General Terms and Conditions of the Solicitation. Technical questions directed to the project manager, is prohibited. These persons shall not be lobbied, either individually or collectively, regarding any questions for bid, proposal, qualification and/or any other solicitations released by the city. To do so is grounds for immediate disqualification from the selection process. The selection process is not considered final until such a time as the Commission has made a final and conclusive determination.

(a) No City appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence either directly or indirectly an officer or employee of the City, City Commission in connection with the awarding of any City Contract.

(b) If any funds other than City appropriated funds have been paid or will be paid to any person for influencing or attempting to influence a member of City Commission or an officer or employee of the City in connection with this contract, the undersigned shall complete and submit Standard Form-L "Disclosure Form to Report Lobbying", in accordance with its instructions.

Signed, sealed and delivered this 15 day of July, 2020.

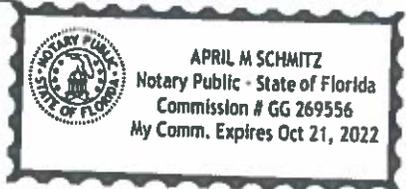
By: Jessica McRory
Jessica McRory
(Printed Name)
President

STATE OF FLORIDA
COUNTY OF Hillsborough

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this 15th day of July, 2020, by Jessica McRory.

April M Schmitz
Notary Public - State of Florida

Personally Known OR Produced Identification
Type of Identification Produced N/A



THIS PAGE MUST BE SUBMITTED WITH PROPOSAL





DISCLOSURE FORM FOR
CONSULTANT/ENGINEER/ARCHITECT

Please select (only) one of the following three options:

Our firm has no actual, potential, or reasonably perceived, financial* or other interest** in the outcome of the project.

Our firm has a potential or reasonably perceived financial* or other interest** in the outcome of the project as described here: _____.

Our firm proposes to mitigate the potential or perceived conflict according to the following plan:
_____.

Our firm has an actual financial* or other interest** in the outcome of the project as described here:
_____.

*What does "financial interest" mean?

If your firm, or employee of your firm working on the project (or a member of the employee's household), will/may be perceived to receive or lose private income depending on the government business choices based on your firm's findings and recommendations, this must be listed as a financial interest. An example would be ownership in physical assets affected by the government business choices related to this project. The possibility of contracting for further consulting services is not included in this definition and is not prohibited.

**What does "other interest" mean?

If your firm, or employee of your firm working on the project (or a member of the employee's household), will/may be perceived to have political, legal or any other interests that will affect what goes into your firm's findings and recommendations, or will be/may be perceived to be affected by the government business choices related to this project, this must be listed as another interest.

BUSINESS NAME: AREHNA Engineering, Inc.

NAME (PERSON AUTHORIZED TO BIND THE COMPANY): Jessica McRory

SIGNATURE:  DATE: July 15, 2020

THIS PAGE MUST BE SUBMITTED WITH PROPOSAL





Scrutinized Company Certification Form

Company Name: AREHNA Engineering, Inc.

Authorized Representative Name and Title: Jessica McRory, President

Address: 5012 W Lemon Street City: Tampa State: Florida ZIP: 33609

Phone Number: 813-944-3464 Email Address: jmcrory@arehna.com

A company is ineligible to, and may not, bid on, submit a proposal for, or enter into or renew a contract with the City of North Port for goods or services of any amount if, at the time of bidding on, submitting a proposal for, or entering into or renewing such contract, the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Florida Statutes, section 215.4725, or is engaged in a boycott of Israel.

A company is ineligible to, and may not, bid on, submit a proposal for, or enter into or renew a contract with the City of North Port for goods or services of \$1 million or more if, at the time of bidding on, submitting a proposal for, or entering into or renewing such contract, the company is on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to Florida Statutes, section 215.473, or with companies engaged in business operations in Cuba or Syria.

CHOOSE ONE OF THE FOLLOWING

- This bid, proposal, contract or contract renewal is for goods or services of less than \$1 million. As the person authorized to sign on behalf of the above-named company, and as required by Florida Statutes, section 287.135(5), I hereby certify that the above-named company is not participating in a boycott of Israel.
- This bid, proposal, contract or contract renewal is for goods or services of \$1 million or more. As the person authorized to sign on behalf of the above-named company, and as required by Florida Statutes, section 287.135(5), I hereby certify that the above-named company is not participating in a boycott of Israel, is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, and it does not have business operations in Cuba or Syria.

I understand that pursuant to Florida Statutes, section 287.135, the submission of a false certification may result in the termination of the contract if one is entered into, and may subject the above-named company to civil penalties, attorney's fees and costs.

Certified By: Jessica McRory
AUTHORIZED REPRESENTATIVE SIGNATURE

Print Name and Title: Jessica McRory, President

Date Certified: July 15, 2020

Solicitation/Contract/PO Number (Completed by Purchasing): 2020-58

THIS PAGE MUST BE SUBMITTED WITH PROPOSAL

END OF PART IV
Page 51 of 64






AREHNA | Engineering, Inc.

5012 W. Lemon Street
Tampa, Florida 33609
Office 813.944.3464 | Fax 813.944.4959