

CIVIL ENGINEERING SERVICES

RFQ 2018-012



Contact: Jason McClair, P.E., CFM, LEED AP

Project Manager
Telephone: (954) 730-0707 x 1003
Fax: (954) 730-2030
jmclclair@chenmoore.com

Office Location
500 West Cypress Creek
Road, Suite 630
Fort Lauderdale, FL 33309



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Evaluation Criteria	
Criteria	Page Number
1. Qualifications and experience of the firm, individuals, subconsultants and project manager assigned.	2-1 to 2-2; 3-1 to 3-2; 4-1 to 4-13
2. Technical proposed approach, methodology, understanding of the potential projects and management capabilities.	3-14 to 3-18
3. References and recent experience in similar work and verification and reference responses.	3-3 to 3-13
4. Presentation and quality of submittal; quality of oral presentation (if applicable).	
5. Location and designation considerations and proximity of servicing office(s) to Margate and/or Broward County and minority business enterprise status of the firm.	1-1; 6-2 to 6-5



500 West Cypress Creek Road
Suite 630
Fort Lauderdale, FL 33309
Phone: +1 954.730.0707
Fax: +1 954.730.2030
www.chenmoore.com

1. Transmittal Letter

October 9, 2018

Office of the Purchasing Division
City of Margate, City Hall
Second Floor
5790 Margate Boulevard
Margate, FL 33063

Re: RFQ 2018-012 Civil Engineering Services

Dear Selection Committee,

Chen Moore and Associates (CMA) is pleased to submit our qualifications for civil engineering services. Founded in 1986, CMA is a respected civil engineering and landscape architecture firm based in Broward County with over 32 years of extensive experience. CMA has the key local project experience that directly correlates with the scope of work for this project. CMA has previously worked for the City of Margate as a prime consultant on various infrastructure projects over the past 18 years, which were similar in scope to the project expected under this contract.

Collectively, the CMA Team for this RFQ has been responsible for hundreds of civil engineering and landscape architecture projects for municipal clients throughout South Florida. We have designed hundreds of miles of municipal utility infrastructure, neighborhood improvements, roadway improvements, drainage improvements, streetscaping, pedestrian pathways, countless landscape enhancements, traffic calming, and roundabouts. The CMA team fully understands that the scope of services for this RFQ includes a variety of civil engineering and landscape architecture services and is committed to providing our expertise to ensure a successful completion of future projects.

Services for this project will be based out of our Fort Lauderdale office located at 500 West Cypress Creek Road, Suite 630, Fort Lauderdale, FL 33309 with support from our West Palm Beach office staff.

Our official corporate contacts are:

Jason McClair, P.E., CFM, LEED AP - Vice President and Treasurer

Email: jmccclair@chenmoore.com; Tel: 954.730.0707 extension 1003
500 West Cypress Creek Road, Suite 630, Fort Lauderdale, FL 33309

Peter Moore, P.E., F. ASCE, ENV SP, LEED AP - President and CEO

Email: pmoore@chenmoore.com; Tel: 954.730.0707 extension 1002
500 West Cypress Creek Road, Suite 630, Fort Lauderdale, FL 33309

Mr. McClair will lead our team as project manager due to his more than 22 years of extensive experience in managing infrastructure projects for municipal clients throughout South Florida, including for the City of Margate. Mr. Moore will combine his experience, engineering expertise, and key relationships to bring maximum value to the City of Margate under this contract.

In addition, our team includes **C&W Engineering** for electrical engineering; **MUEngineers** for structural engineering; **Traf Tech Engineering, Inc.** for traffic engineering; **Stoner and Associates, Inc.** for surveying and **Nutting Engineers of Florida, Inc.** for geotechnical engineering.

Your Trusted Advisor for Infrastructure and Planning Needs

In the pages that follow, please find our qualifications for this contract as requested. We are looking forward to the opportunity to present our qualifications and approach to this project in more detail to the selection committee. Should you have any questions, please do not hesitate to contact me at 954.730.0707, extension 1002, pmoore@chenmoore.com or via mail at 500 West Cypress Creek Road, Suite 630, Fort Lauderdale, Florida 33309.

Respectfully submitted,



CHEN MOORE AND ASSOCIATES

Peter Moore, P.E., F.ASCE, ENV SP, LEED AP, President and CEO

2. CORPORATE HISTORY

Chen Moore and Associates (CMA) is a multi-discipline consulting firm with offices in Fort Lauderdale, Miami, West Palm Beach, Orlando and North Central Florida.

Founded in 1986, Chen Moore and Associates specializes in civil engineering, water resources, water and sewer, transportation, landscape architecture, planning and irrigation, environmental and construction engineering inspection. The firm commits to providing responsive quality services while meeting the schedules and specific project needs of our clients.

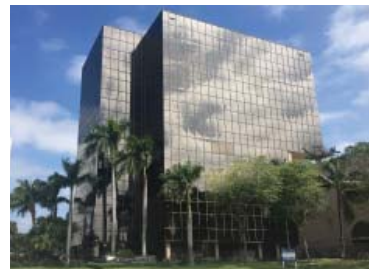
CMA actively supports various community organizations including Habitat for Humanity, Toys for Tots, the Cooperative Feeding Program, and Ocean Watch, a non-profit group focused on cleaning and preserving South Florida's Beaches. Firm staff participates in local professional society events including the American Society of Civil Engineers, Florida Engineering Society, American Society of Landscape Architects, Irrigation Association, International Society of Arboriculture, and the United States Green Building Council. We proudly support our industry and the communities in which we live, play, and work.

The firm is currently working on and has successfully completed projects involving the planning, design and construction of a wide range of projects in a multitude of disciplines including:

- Infrastructure Master Planning
- Pump Station Design and Rehabilitation
- Water Supply, Treatment, and Distribution Design
- Stormwater Management System Design and Master Plans
- Environmental Engineering
- Roadway Design and Streetscape
- Government Permitting
- Land Development
- Site Development
- Site Planning
- Landscape Architecture
- Hardscape Design
- Irrigation Design
- Park Design
- GIS Analysis and Mapping
- Project and Program Management
- Sustainable Design and LEED Solutions
- Value Engineering
- Utility Rate and Infrastructure Valuation Studies
- Resident Coordination and Stakeholder Meetings

With 15 licensed professional engineers, four professional landscape architects and highly experienced technical design staff, the Chen Moore team has the capabilities to address the smallest to the most challenging civil and transportation engineering, planning, landscape architecture, environmental and construction administration tasks required for many types of public, semi-public and private sector projects.

The Chen Moore and Associates project team is supported by five qualified subconsultants to provide services to the City of Margate. Each member of the team was selected based on proven technical capability, successful local experience, demonstrated client commitment, and successful previous working relationship with CMA.



C&W Engineering provides electrical engineering services specializing in municipal facilities. C&W was



established in 1992 and has enjoyed continued success. C&W engineering is located in West Palm Beach and serves clients throughout the Southeastern U.S. C&W Engineering is committed to using state-of-the-art hardware, software, communication and internet tools that allow them to provide quality documentation, including construction plans and technical specifications on time and with professional presentation. C&W Engineering will provide electrical engineering services for this contract.

MUEngineers, Inc. is a full service, dynamic structural engineering and inspection firm. Founded in 2010, they have a sound



understanding of all types of building processes and provide services for commercial, industrial, legal, and residential clients for any type and size of project. Whether they are designing a one floor, an eight floor or a thirty-floor building, it is important to select the structural system which best suits the project, while keeping in mind the project budget, constructability, and local construction techniques and methods. MUEngineering will provide structural engineering services for this contract.

Nutting Engineers of Florida, Inc. has been one of the premier geotechnical engineering firms in South Florida since its inception in 1967. Prior



to this date work was performed under the name Nutting Engineers, Inc., which originated in 1956 preceded by H.C. Nutting in Miami from 1932 until 1956. Nutting's comprehensive range of services include geotechnical exploration and engineering including soil borings and groundwater well drilling, monitoring of pile installation, groundwork modification and chemical grouting procedures, quality control/ quality assurance testing of construction materials, structural inspections (special/threshold) of structures. Nutting Engineers will provide geotechnical engineering services for this contract.

Stoner and Associates, Inc. was founded in September of 1988 by James D. Stoner,



STONER & ASSOCIATES, Inc.
SURVEYORS - MAPPERS

P.S.M. Their mission is to provide quality Land Surveying services, while utilizing the latest technology and techniques. Stoner & Associates, Inc. is a Professional Land Surveying Consultant to numerous municipalities, including City of Fort Lauderdale, Broward County Aviation Department, South Florida Water Management District, Broward College, Town of Davie and City of Sunrise. Stoner and Associates will provide surveying services for this contract.

Traf Tech Engineering, Inc. was established in 2005 by Joaquin E. Vargas with two municipal clients (Coral Springs and

Traf Tech
ENGINEERING, INC.

Sunrise) and three private sector projects. In the past 12 years, the firm has completed over 1,000 traffic-engineering assignments and has provided traffic engineering services to 15 South Florida municipalities (10 in Broward County and five in Miami-Dade County). Traf Tech Engineering, Inc. specializes in traffic engineering, transportation planning, parking studies, safety analyses, pedestrian studies, access evaluation, and hurricane evacuation studies. Traf Tech Engineering will provide traffic engineering services for this contract.

3. CORPORATE QUALIFICATIONS

CMA's staffing plan involves the integration of the City's staff with our team. CMA top management is expected to maintain an active role in any project, no matter its size or complexity. For the City of Margate, CMA top management expects to be active in all projects to the extent necessary to complete and execute the projects successfully.

Jason McClair, P.E., CFM, LEED AP, Vice President and Treasurer is a senior civil engineer with more than 22 years of experience in utility infrastructure design, regulatory permitting, geotechnical engineering, and computer aided flow modeling for stormwater collection, water distribution, and sanitary transmission systems. He has worked as project manager on multipole projects for the City of Margate and was the project manager for the Fort Lauderdale-Hollywood International Airport Stormwater Master Plan Update and the Pompano Beach Stormwater Master Plan. **Mr. McClair will serve as project manager for this contract.**



Peter Moore, P.E., F. ASCE, ENV SP, LEED AP/President and CEO is ultimately responsible for all day to day operations of the firm. With over 22 years of experience, Mr. Moore works as the Client Project Manager for work in Broward County, Pompano Beach and Deerfield Beach and continues to be involved in the successful completion of projects. These projects include sanitary collection improvements, pump station rehabilitation, transportation engineering enhancements, water and reclaimed water consulting along with all other phases of civil engineering design and neighborhood improvements. **Mr. Moore will serve as principal-in-charge for this contract.**



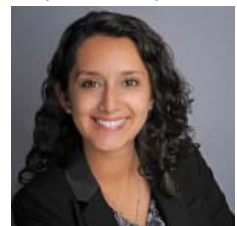
Jose Acosta, PE, F.ASCE/Vice President has over 20 years of design and project management experience in various industries, including municipal continuing service contracts, K-12 education, higher education, healthcare, transportation, and commercial/residential/industrial private development. His background includes neighborhood improvement projects, streetscape enhancements, utility relocation, on- and off-site infrastructure design, bidding assistance and construction administration services for several municipalities throughout Broward, Miami-Dade and Palm Beach Counties. **Mr. Acosta will provide QA/QC services for this contract.**



Suzanne Dombrowski, P.E., ENV SP/Sr. Engineer is a senior engineer and branch manager of the West Palm Beach office with more than 14 years of experience. She started her career with Chen Moore and Associates as a junior engineer on the Broadview Park Neighborhood Improvement Project, Bid Package #2, where she was responsible for the gravity sewer design, roadway grading design, QA/QC of the drainage design and permitting. Her duties grew to include the full design and management of other projects that include water, sewer, roadway and drainage, and coordination with landscape improvements. She has worked on multiple projects for the City of Margate. **Ms. Dombrowski will serve as assistant project manager for this contract.**



Paula Fonseca, P.E./Sr. Engineer is a civil engineering graduate of Florida Atlantic University with 10 years of experience. She serves as a senior engineer and project manager, and is also the primary hydraulic modeler for the firm. She performs and oversees design work using AutoCAD, GIS and InfoWater 8.1v. Ms. Fonseca has worked on various utility improvement projects for the City of Margate including water main, force main, directional drills, aerial crossings, and hydraulic modeling; neighborhood improvement projects for Broward County, utility coordination projects for Riviera Beach Utility District, including water and sewer designs and permitting, Design of GIS Utility Atlases for the City of Pompano Beach and Solid Waste Authority, as well as Palm Beach County Water Master Plan and Glades Regional Water Master Plan through the use of water modeling software and GIS. **Ms. Fonseca will serve as utilities lead engineer for this contract.**



Jennifer Smith, P.E./Sr. Engineer is currently serving as an assistant project manager with Chen Moore and Associates. Her 12 years of experience in the civil engineering field includes GIS and AutoCAD design work, detailed design work on the Broward County UAZ Water and Sewer Improvement Project, Stormwater Master Plan for the City of Pompano Beach and Coral Springs, Drainage Design for the City of Pompano Beach and Lauderdale by the Sea and the Design of GIS Utility Atlases. Current duties include water main, sanitary sewer and lift station design and permitting, drainage modeling, design and permitting as well as GIS modeling. **Ms. Smith will serve as lead drainage engineer for this contract.**



Daniel Davila, P.E./Sr. Engineer has over 18 years of civil engineering experience. His experience includes water and wastewater facilities, facilities planning, utilities master planning, infrastructure renewal, construction management and rate and financial studies. Mr. Davila has assisted numerous clients that range from municipalities, counties, federal agencies, healthcare districts, residential developers and commercial developers to educational institutions. He has been the contract manager for small projects as well as large complex projects managing millions of dollars in design fees and several subconsultants. Mr. Davila has been the contract manager for several government agencies including St. Lucie County; City of Plantation; St Lucie County School Board; Memorial Healthcare System; Village of Wellington; City of West Palm Beach; and Palm Beach County. **Mr. Davila will serve as lead transportation engineer for this contract.**



Cristobal Betancourt, RLA/Director of Landscape Architecture and Planning has over 23 years of experience providing planning and landscape architecture design solutions for public and private sector clients. Mr. Betancourt provides a full range of services starting with due diligence and master planning culminating in detailed site design. He is well versed in the use of low-impact development techniques applied to site planning. **Mr. Betancourt will serve as lead landscape architect for this contract.**



Margate City Hall Parking Lot

Client

City of Margate

Sam May

954.972.8126

Completion Date

2013

Fee

\$6,000

Key Personnel

Peter Moore, P.E., F. ASCE, ENV SP, LEED AP

Jason McClair, P.E., CFM, LEED AP

Jennifer Smith, P.E

The City of Margate retained Chen Moore and Associates to prepare bid documents for the asphalt resurfacing of the City Hall Parking Lot, which is located at 5790 Margate Boulevard. The existing asphalt parking lot, which located on the south side of the City Hall, was in need of resurfacing based on the current conditions. The City needed to install an asphalt overlay over the existing surface within parking and driveway areas. The City preferred the use of polymer modified asphalt (PMA) to reduce possibility of reflective cracking within the overlay layer in the future. The proposed work also included the placement of new pavement markings and the re-installation of existing signage with new mounting hardware. CMA was responsible for providing professional services necessary to prepare the bidding documents.



Profile of Proposer

Holiday Springs Blvd Irrigation

Client

City of Margate

Michael Jones

954.972.6458

Completion Date

2014

Fee

\$5,365

Key Personnel

Cristobal Betancourt, RLA

Chen Moore and Associates prepared drawings and specifications for the design and permitting of an irrigation system along Holiday Springs Boulevard. The system was installed between Pinewalk Drive South and NW 31st Street to irrigate existing landscape plantings including trees, palms, and shrub material. The work was provided to the Margate Parks and Recreation Department who maintains all planted medians throughout the city.

Margate Boulevard Pavement Markings

Client

City of Margate
Sam May
954.972.8126

Completion Date

2014

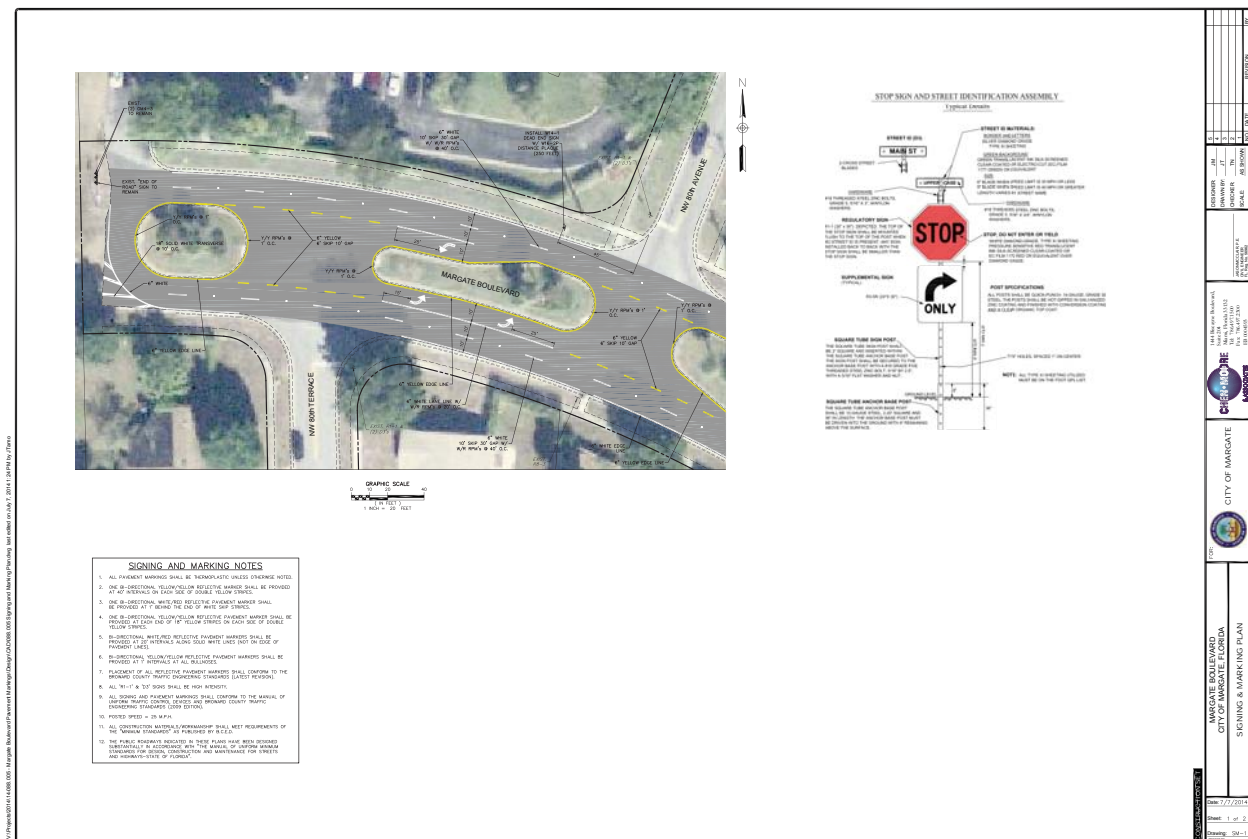
Fee

\$4,000

Key Personnel

Peter Moore, P.E., F. ASCE, ENV SP, LEED AP
Jason McClair, P.E., CFM, LEED AP
Jennifer Smith, P.E

The City of Margate retained Chen Moore and Associates to prepare design plans for new pavement markings and signage at the western end of Margate Boulevard near NW 80th Terrace. The project limits included Margate Boulevard between NW 80th Avenue and the western street end at the existing drainage canal. The purpose of the proposed pavement markings and signage was to enhance the safety for vehicular traffic approaching the street end. The City intended to implement new pavement markings and signage within the project to restrict the flow of vehicular traffic at the western street end along with providing additional warning to vehicle traffic to the upcoming street end at the drainage canal. CMA was responsible for providing professional services necessary to prepare design plans and obtain approval from Broward County Traffic Engineering.



Profile of Proposer

Margate Dog Park

Client

City of Margate
Michael Jones
954.972.6458

Completion Date

2017

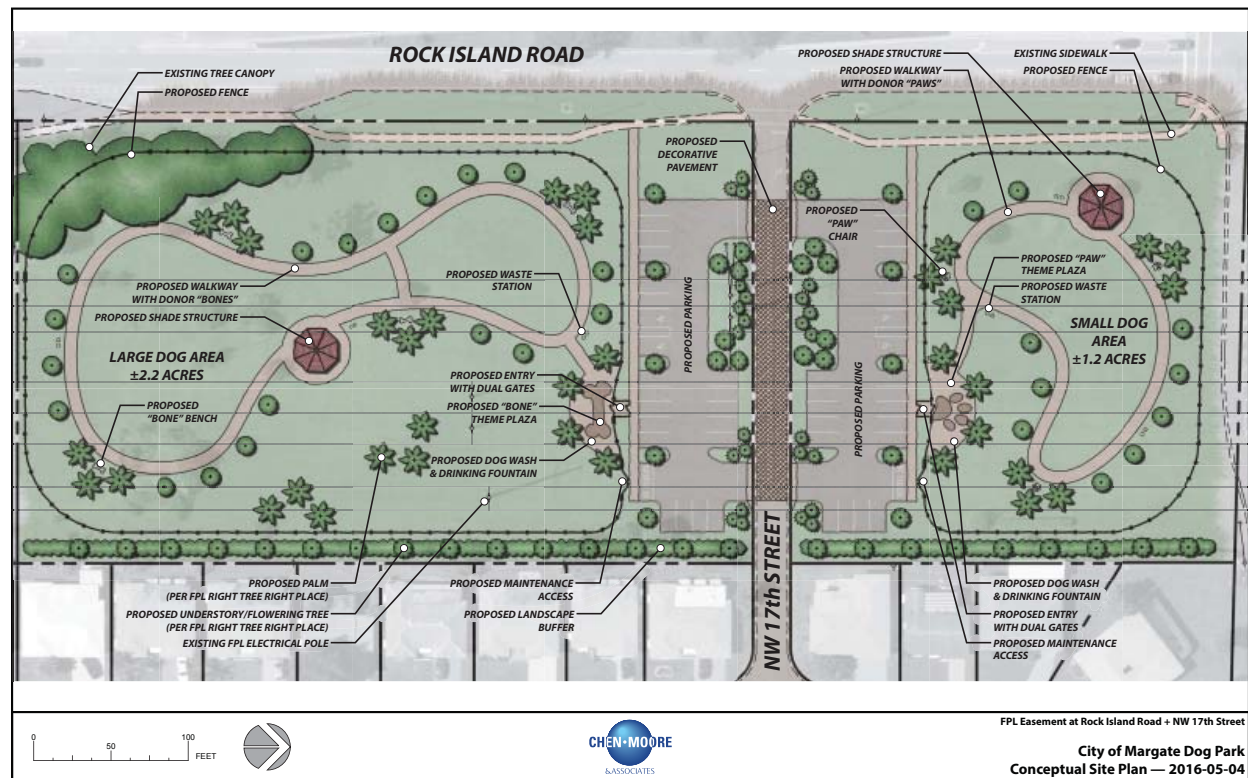
Fee

\$53,870

Key Personnel

Jason McClair, P.E., CFM, LEED AP
Jennifer Smith, P.E.
Cristobal Betancourt, RLA

CMA is providing professional design services for the Margate Dog Park Project. The proposed dog park site is located along the east side of Rock Island Road south of NW 18th Street within the existing FPL Easement, which is approximately 300 wide. The proposed elements to be incorporated into the proposed Margate Dog Park include: shade structures/shelters; on-site paved parking lots; concrete walkways; brick paver donor memorial area for fundraising; perimeter fencing with double lock gate system; site furnishing (benches, trash/recycle bins, drinking fountains, dog wash stations, waste bag stations); landscaping/irrigation improvements; stormwater improvements; and water service connections. CMA's scope of services includes conceptual plan development; public workshops with the homeowners association and City commission; topographic survey; subsurface utility verification; geotechnical investigation; document research/review; civil engineering design; landscape/irrigation design; regulatory and surface water permitting; bid document preparation; bidding coordination; and bid review.



Dog Park at Firefighters Park

Client

City of Margate
Michael Jones
954.972.6458

Completion Date

Ongoing

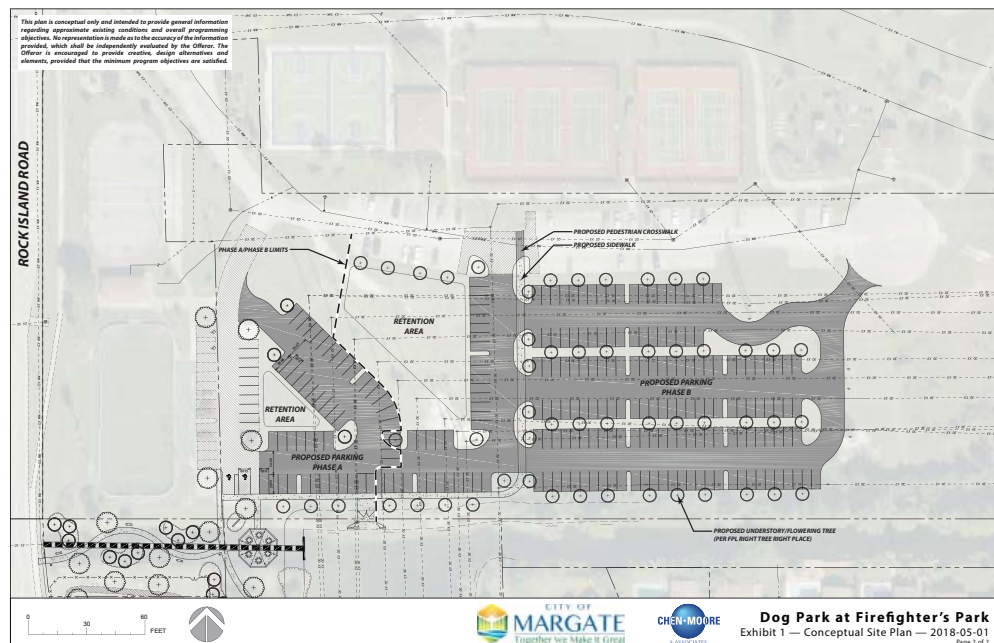
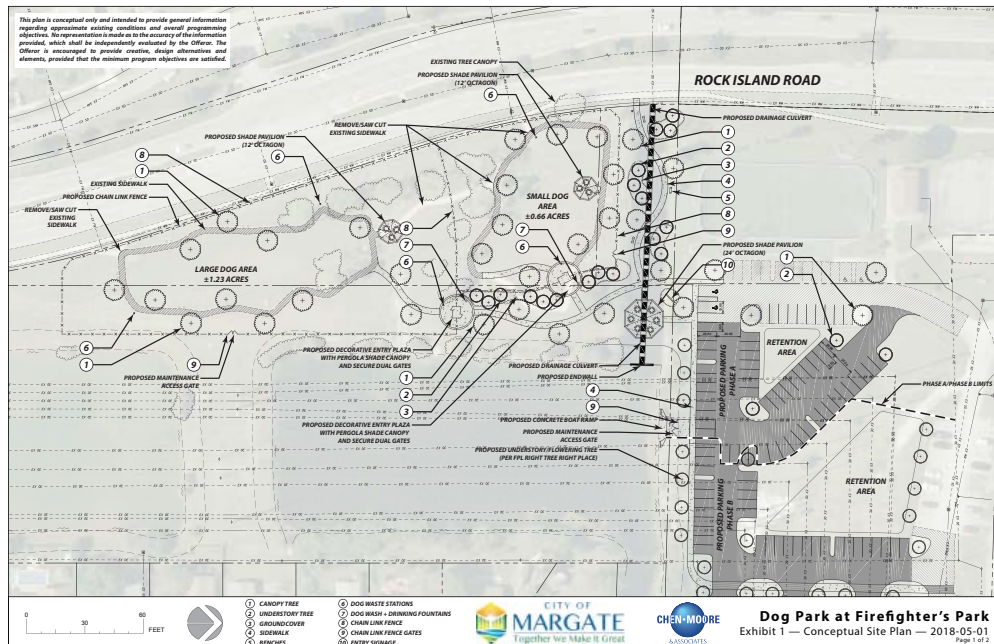
Fee

\$8,0800

Key Personnel

Jason McClair, P.E., CFM, LEED AP
Jennifer Smith, P.E.
Cristobal Betancourt, RLA

CMA is providing a conceptual design for a proposed dog park adjacent for the City of Margate. The project will include various parking, drainage, hardscape, landscape, irrigation, and utility improvements to convert the existing passive park area into dual small and large dog park. The scope will include preparing a conceptual plan and attending a public workshop with the City Commission.



Banks Road Landscape Medians

Client

City of Margate
Michael Jones
954.972.6458

Completion Date

Ongoing

Fee

\$16,280

Key Personnel

Jason McClair, P.E., CFM, LEED AP
Cristobal Betancourt, RLA

Chen Moore and Associates is developing a landscape design for Banks Road in the City of Margate. The Project limits include all of the medians from W. Atlantic Boulevard to NW 17th Street. The work is being performed for the Parks and Recreation Department. Our work includes the preparation of Vegetation Disposition, Landscape and Irrigation plans and specifications for design, permitting, bidding, and construction administration of the Project.

Coconut Creek Parkway

Client

Margate Community Redevelopment Agency
Reddy Chitepu
954.972.0828

Completion Date

2016

Cost

\$750,000

Fee

\$59,291

Key Personnel

Peter Moore, P.E., F.ASCE, ENV SP, LEED AP
Jason McClair, P.E., CFM, LEED AP
Suzanne Dombrowski, P.E., ENV SP
Paula Fonseca, P.E.
Jennifer Smith, P.E.

Chen Moore and Associates provided professional services to the Margate CRA for the design, permitting and construction administration of the Coconut Parkway Median Improvement Project from SR 7 to Banks Road. Chen Moore and Associates coordinated with Broward County Traffic Engineering to determine the possibility of installing a median with turning lanes in the existing center suicide lane. Coordination was also required with Broward County Highway Construction Engineering Division, the Florida Department of Transportation, and Broward County Environmental Protection and Growth Management Division for surface water management permitting. The project was coordinated with simultaneous improvements by the City of Coconut Creek.

The design incorporated 'Green' elements which were used to reduce the amount of water needed to irrigate. The wide median sections slope inward creating large swales and the brick pavers on the narrow median have inverted crowns which slope and divert runoff towards the grassy medians. This reduces the amount of runoff storage needed in the side street swales, reducing project costs.



C14 WM Canal Crossing

Client

Carollo Engineers
Thomas Gillogly
954.837.0030

Completion Year

2015

Fee

\$70,752

Key Personnel

Suzanne Dombrowski, P.E., ENV SP
Paula Fonseca, P.E.

CMA, as a subconsultant to Carollo Engineers, was contracted by the City of Margate to perform the design, permitting and construction administration of water main improvements. The improvements were identified as part of a separate task order in which the water model for the City was updated. The C-14 canal crossing was proposed in order to provide redundancy to the distribution system. The improvements include a directional drill under the SFWMD C-14 canal and over 2,000 LF of water main installation to provide redundancy in the service area. Permitting coordination is required with both SFWMD and the ACOE for special approvals.



C14 WM CEI

Client

Carollo Engineers
Thomas Gillogly
954.837.0030

Completion Year

2015

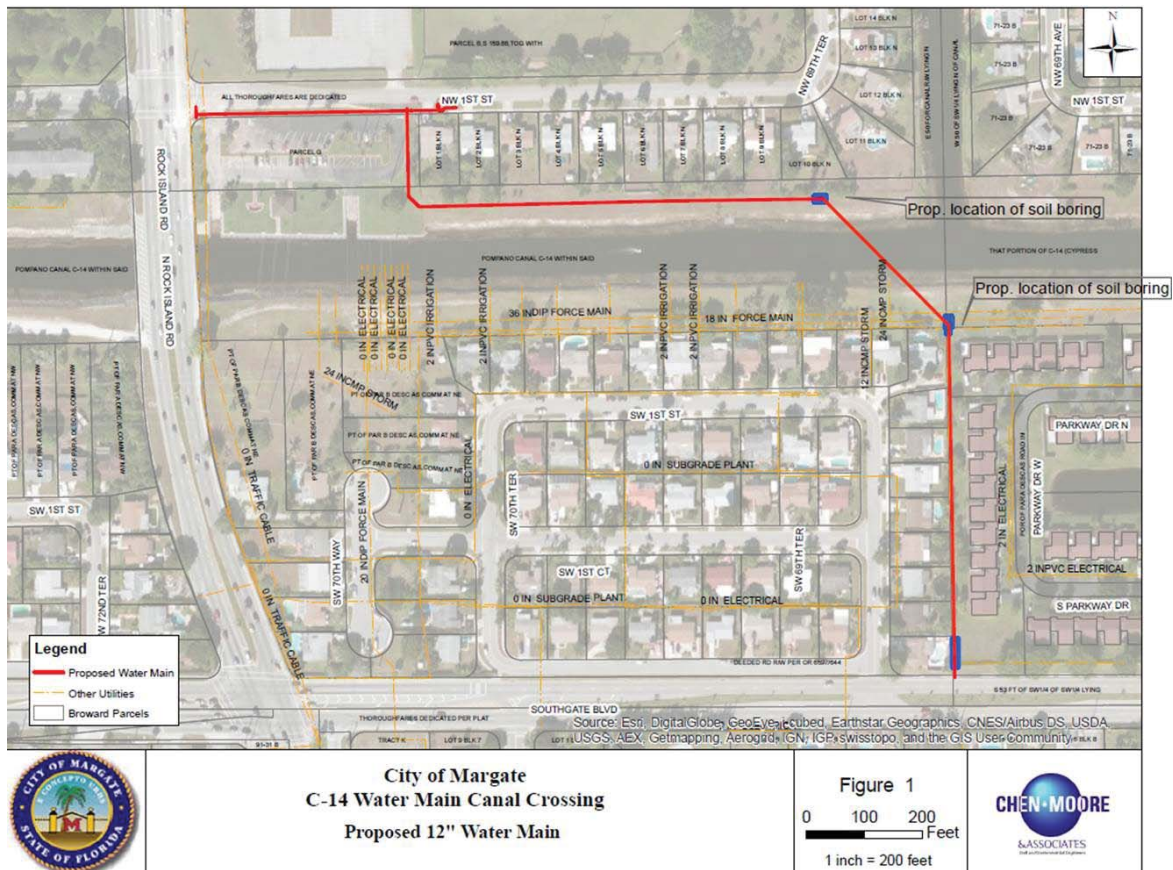
Fee

\$ 48,742

Key Personnel

Paula Fonseca, P.E.

CMA, as a subconsultant to Carollo Engineers, was contracted by the City of Margate to perform the design, permitting and construction administration of water main improvements. The improvements were identified as part of a separate task order in which the water model for the City was updated. The C-14 canal crossing was proposed in order to provide redundancy to the distribution system. The improvements include a directional drill under the SFWMD C-14 canal and over 2,000 LF of water main installation to provide redundancy in the service area. Permitting coordination is required with both SFWMD and the ACOE for special approvals.



Approach

CMA has over 32 years of experience in providing consulting civil engineering, environmental engineering, landscape architecture and planning services for local public sector clients throughout South Florida. CMA's experience, location, relationships, and commitment makes our firm an excellent candidate to work with the City of Margate on this contract. Chen Moore and Associates has extensive past project experience similar to the scope of work defined within the City of Margate RFQ 2018-012. CMA has successfully completed the planning, design, permitting and construction of utility and infrastructure projects of varying sizes throughout South Florida. In fact, the bulk of our past project experience has focused on infrastructure improvement projects for various municipalities throughout the South Florida area, including the City of Margate. Our past project experience has allowed Chen Moore and Associates to develop a consistent approach for the planning, design, permitting and construction of utility improvement projects within existing neighborhoods.



Utilizing our extensive experience on municipal projects for public sector clients throughout South Florida, we have developed proven, efficient and cost effective methods to deliver projects to our clients on time and within budget. We work as an extension of our clients as a trusted advisor familiar with the technical aspects of a project, the regulatory/permitting requirements and in consideration and communication with all stakeholders involved to ensure a successful project on time and within budget. We ensure that our clients remain well informed throughout the process with frequent communication and regular project updates and also that our staff is accessible to handle any client needs that arise throughout the project.

Chen Moore and Associates is familiar with the engineering requirements of all types of public infrastructure improvements defined under the civil engineering and utilities engineering categories. CMA has an understanding the consulting services required during all project phases, which include feasibility studies, conceptual planning, detailed design, regulatory permitting, bidding services, construction administration, and project closeout. Some examples of our past experience with these types of infrastructure improvement projects include:

- Potable Water Distribution Systems
- Reuse Water Distribution Systems
- Gravity Sewer Collection Systems
- Sanitary Force Main Systems
- Pump Station Rehabilitations
- Stormwater Management Systems
- Infrastructure Master Planning
- Roadway and Parking Facilities
- Streetscaping
- Parks and Recreational Facilities
- Landscape Architecture
- Irrigation
- GIS Analysis and Mapping
- Value Engineering
- Construction Administration



With 15 licensed professional engineers, four licensed professional landscape architects and highly experienced technical design and construction staff, the Chen Moore team has the capabilities to address

all civil engineering, planning, landscape architecture, and construction administration tasks required by the City of Margate under this RFQ 2018-012 for Civil Engineering Services. The CMA staff assigned to this proposal has extensive experience in infrastructure improvements within fully developed areas, including roadway, drainage, water, sewer and landscape improvements within existing neighborhoods. A more detailed description of CMA's experience relevant to the scope of work is described below.

Roadway, Streetscape, or Parking Lot Construction/Re-Construction Projects

Chen Moore and Associates understands that successful urban environments are composed of a number of appropriate transportation elements, such as public roadways, bicycle pathways, transit, pedestrian facilities, and vehicular parking facilities that must be seamlessly integrated. Development must be pedestrian friendly and encourage street level activity. Vehicular circulation must be carefully orchestrated to calm traffic and provide a variety of discrete parking solutions that maintain the urban fabric and promote density. Historic structures must be preserved and civic spaces revived. Identity and clarity should be enhanced with streetscape improvements, attractive landscaping and wayfinding systems. Great neighborhoods, and by extension, great cities, are remembered for their streets rather than their buildings. Chen Moore and Associates integrates this philosophy into our roadway and streetscape design. Great streets form the glue that holds a successful community together. Our philosophy of community and street design involves organizing a hierarchy of streets to respond to the varying urban use and density conditions and establishing appropriate standards for each street type. Chen Moore and Associates has the appropriate experience and qualifications to complete the following tasks related to the roadway, streetscape, and parking lot design on behalf of the City of Margate:

- Roadway Design
- Geometric Intersection Design
- Circulation and Roundabout Design
- Maintenance of Traffic Design
- Pedestrian and Bicycle Pathway Design
- Traffic Calming Design
- Streetscape and Hardscape Design
- Landscape Architecture
- Operational and Safety Studies
- Conceptual Design and Alternatives Analysis
- Corridor Planning
- Land Use Plan Amendments
- Cost Estimating



Water or Reuse Main Construction Projects

CMA has worked with many public clients throughout South Florida, including the City of Margate, to provide a wide range of consulting engineering services related to potable water and reuse water distribution projects. CMA has previously provided a wide range of design services on previous potable water and reuse water distribution projects, such as large-scale master planning, hydraulic modeling, system assessments, new pipe design, existing pipeline rehabilitation, regulatory permitting, and construction administration. Our previous project experience includes the planning, design, permitting and construction of over 80 miles of water main.

Gravity Sewer Main Construction Projects

CMA has worked with many public clients throughout South Florida, including the City of Margate, to provide a wide range of consulting engineering services related to gravity sewer collection projects. CMA has previously provided a wide range of design services on previous gravity sewer collection projects, such as large-scale master planning, hydraulic modeling, system assessments, new pipeline design, existing pipeline rehabilitation, regulatory permitting and construction administration. CMA can also provide system mapping of the gravity collection system which is integrated into GIS, which can be used to track which pipes and manholes which have been inspected and maintained on a routine basis. CMA has also developed a custom gravity sewer model using core ESRI technology to assist with flow projections, pipe

sizing, and automated pipe invert calculations. Our previous project experience includes the planning, design, permitting and construction of over 50 miles of gravity sewer.

Force Main Construction Projects

CMA has worked with many public clients throughout South Florida, including the City of Margate, to provide a wide range of consulting engineering services related to force main projects. CMA has previously provided a wide range of design services on previous force main projects, such as large-scale master planning, hydraulic modeling, system assessments, new pipeline design, trenchless installation, regulatory permitting, and construction administration. CMA developed and has maintained the SewerCAD hydraulic models of overall force main networks for various Cities, which can be used to estimate flow and pressures within the force main network under various flow scenarios. This SewerCAD model is a powerful tool that can be used to streamline the preliminary design related to the configuration and sizing of any new force main installation within the City's system. Our previous project experience includes the planning, design, permitting and construction of over 20 miles of force main, which include five large diameter force mains in FDOT rights-of-way with diameters between 20-inch and 48-inch and includes 10 force mains installed via directional drill methodology. Our previous experience with force main projects has included work for the City of Margate on the Utopia Drive Force Main Project.

Lift Station Rehabilitation Projects

CMA has worked with many public clients throughout South Florida, including the City of Margate, to provide a wide range of consulting engineering services related to lift station rehabilitation projects. Chen Moore and Associates has completed over 200 lift station projects in the past 10 years. These previous lift station rehabilitation projects have ranged from minor modifications to the existing lift station controls to the full replacement of master sanitary pump stations. CMA used the SewerCAD hydraulic model of the overall force main network, which can be used to estimate flow and pressures within the force main network under various flow scenarios. This SewerCAD model is a powerful tool that can be used to streamline the preliminary design related to the pump selection for any lift station rehabilitation project. CMA has previously used this SewerCAD model to complete a hydraulic analysis of the new force main along Utopia Drive along with the Lift Station #13 rehabilitation. CMA can use this GIS data to estimate the average and peak inflow rates into each existing lift station

and to conduct I/I analysis of each service area.

Storm Water/Drainage Improvement Projects

Chen Moore and Associates also has extensive local experience in the areas of stormwater drainage improvements ranging from regional stormwater master planning and hydraulic and hydrologic modeling to project-level neighborhood and site specific detailed design of stormwater improvements. Our experience encompasses all phases of project development, including conceptual planning, stormwater modeling, detailed design and analysis, government agency permitting and project construction. CMA has a long track record of providing planning and engineering solutions that help assess and mitigate existing flooding conditions within municipalities throughout South Florida. We provide a range of services including:

- Design and Construction of Stormwater Infrastructure Improvements
- Exfiltration Trench Design
- Stormwater Pump Station Design
- Culvert/Pipe Sizing
- Drainage Well Design
- Outfall Modification Design
- Water Quality/Water Quantity Analysis and Design
- Detailed Computer Modeling (ICPR, SWMM, StormCAD, Cascade)
- Stormwater Master Planning
- Regulatory Compliance and Permitting

- NPDES Permitting, Best Management Practices and MS4 Permitting
- GIS Analysis and Mapping
- Identification of Grants and Other Funding Resources
- Floodplain Encroachment Analysis
- Cut/Fill Analysis
- Cost Estimating

Emergency Utility Repairs

Chen Moore and Associates feels that responsiveness to our client's needs is the driving force in consulting engineering. In an emergency, Chen Moore and Associates will perform within the specified time frame. There are a number of times during a typical design project where the schedule can be accelerated without adverse effects. It is during these times that Chen Moore and Associates suggests the schedule be reconsidered, so that a quality project will be delivered within the desired time frame. Chen Moore and Associates will always make itself available to the City of Margate whenever an emergency situation arises related to the performance of the existing



infrastructure. Whenever a client has a need for an emergency repair to their existing water, wastewater or stormwater system, Chen Moore and Associates will fully dedicate the appropriate staff to address the problems until a solution has been reached.

Parks and Recreational Facilities

Chen Moore and Associates has the following general approach to the Parks and Recreation Market:

- Develop an understanding of the Client's ability to maintain and operate the proposed facility.
- Carefully master plan and program parks and recreation facilities for long-term growth and efficiencies.
- Anticipate future expansion needs in current capital improvement projects.
- Maintain strong relationships with local municipalities and regulatory agencies to facilitate permitting processes.
- Utilize GIS Mapping as a tool to create highly accurate inventories of available infrastructure.
- Communicate with our clients to find the best construction value in current projects to facilitate future needs.

We have designed and permitted a variety of Parks and Recreation facilities within the state of Florida including:

- Natural Resource based Parks
- Regional Parks
- Coastal Parks
- Urban Parks
- Neighborhood Parks
- Greenways and Trails
- Sports Fields
- Equestrian Facilities
- Golf Courses
- Aquatic Facilities
- Boating Facilities
- Playgrounds



Landscape Architecture and Irrigation Design

The landscape architecture staff at CMA is experienced in the design of landscape improvements in existing neighborhoods, mitigation of existing landscape during construction of other improvements, as well as design of new public spaces. We take the time to perform a thorough due diligence of our projects and understand the context of the site, the purpose of the improvement, the necessary regulatory process for permitting and our client's goals. Our team regularly participates in opportunities for continuing education and visits with vendors to stay current with legislation, design trends and materials to provide the best quality designs to our clients.

GIS Services

The CMA team has been on the cutting edge of GIS/engineering integration for over 10 years. All of our engineers are trained and well versed in GIS which is uncommon in most engineering firms. This is a powerful advantage over traditional firms that house engineering and GIS in different departments because we understand the desired output and apply GIS tools to achieve it. We routinely use GIS data, analysis and procedures for engineering planning studies, design, permitting and construction administration. The CMA team has the ability to develop scripts and procedures that gather and process GIS data efficiently. The GIS data will be gathered and analyzed for each project at inception. After this step is completed, this data can be used throughout the design, permitting and construction phases of the project. CMA is also a local leader in the implementation of GIS Online. GIS Online, as well as GIS exhibits, provide the City with a communication tool during field investigation, design and construction that can be used for outreach to City staff, residents, City officials and other stakeholders. CMA can provide training in both GIS and GIS Online applications to City staff as requested.



Project Approach

Our general approach to infrastructure improvement projects on behalf of the City of Margate will typically include project planning and scoping, data collection, conceptual planning, modeling analysis, detailed design, regulatory permitting and construction administration. Our general project approach to the potential projects defined in this RFQ is summarized within the following sections.

Project Planning and Scoping

At Chen Moore and Associates, we pride ourselves on delivering projects to our clients that exceed their expectations. In order to ensure all of our client's goals for the project are successfully accomplished, we first verify our client's vision for the completed infrastructure project. Our project manager, Mr. Jason McClair, P.E., CFM, LEED AP, will meet with the City staff to review the existing system and establish the City's vision for the finished project. During this meeting, we will seek maximum input from all appropriate City staff before beginning the design phase. At the outset of the project, it is necessary to clearly define the scope of the project and the project goals for all concerned parties to ensure the successful completion of the project. In the undertaking of any project, CMA understands the need to provide innovative and sustainable solutions on time and within budget. Paramount in achieving a successful project on time and within budget is to clearly define the scope and goals of the current project. In defining the scope of the project, the following are some of the factors that will be considered:

- **Project goals, timeline and budget**
- Any unique characteristics and considerations (resident/hotline complaint logs, special characteristics, etc.)
- Existing available information (available utility atlases, as-builts, operating reports, etc.)
- Additional information that will need to be obtained (survey, geotechnical studies, traffic studies, etc.)

- Potential impacts of construction to: parking, bus routes, emergency access and vehicular flow; pedestrian routes; community events; existing utilities; etc.
- Project stakeholders (affected residents, HOAs, public agencies, etc.)
- Regulatory authorities having jurisdiction and permitting agencies
- Project funding
- Construction requirements and limitations

At the outset of the project, it is necessary to clearly define the scope of the project and the project goals for all concerned parties to ensure the successful completion of the project.

Data Collection

In preparation of a task order proposal, CMA performs a number of existing site assessment tasks for each project to become familiar with the project area. Additionally, these initial tasks will result in time savings to the project. These include the following and are ready to implement it into the proposed project:

Utility atlases and/or as-built information

CMA will request a locate design ticket to become familiar with existing utilities within the project area. CMA will collect any available atlas maps, as-built drawing, and record drawings for the project area. Any available GIS data will also be collected from the City and other sources for planning purposes and to verify the survey information. When comprehensive GIS data is available, preliminary designs and exhibits can be created early in the project timeline for coordination purposes. CMA will review and analyze all existing utility atlases and “as-built” drawings to determine the configuration of the existing underground infrastructure within the project area. A plan with the project limits and key geographic features will be sent out to other utility companies so they can provide the location of their existing utilities. These features will be digitized so Chen Moore and Associates can identify major obstacles early in the project. Once the survey is complete, the existing features will be translated into Autodesk Civil 3D to produce clear and legible plans.



Existing available topographic information

CMA shall utilize existing available LIDAR data to review elevation data within the project area prior to the completion of any topographic survey of the project area. This elevation data can be used to confirm the ground surface elevations within and outside of the project area. CMA typically uses this data to conduct preliminary analysis before the topographic survey is completed within the project area. Since the topographic survey is typically limited to the public right-of-way areas within the project limits, the LiDAR elevation data can be used to incorporate the ground surface elevations from private property areas within the project limits.

Existing available condition reports

CMA will review existing reports such as infrastructure and utility master plans, preliminary design reports, inspection reports, utility assessment reports and pavement assessment reports. These reports will provide a basis for the condition assessment of the existing infrastructure in the project area. CMA will also identify if any cost savings can be realized by combining projects with others according to scope and location.

Existing property/parcel information

CMA shall utilize existing GIS parcel data from the Broward County Property Appraisers Office to obtain relevant property and parcel data for the project area. Parcel data from the Broward County Property Appraiser’s Office is very powerful because it can be used for multiple purposes in the planning of various project components. This data will be used to identify any additional land rights that may need to be acquired, depending upon the final route of the any infrastructure improvements. This data is also especially useful during detailed design and construction for tracking stakeholder concerns.

Soil data/geotechnical reports

CMA shall review any available geotechnical reports to confirm the impact of general subsurface conditions in the project area on the proposed improvements. Various relevant information is available for the project area within the appropriate Soil Survey Maps. The presence of rock layers can be confirmed to determine whether there will be any impact on the excavation operations during the installation of the proposed underground utilities.

Surface Water and Groundwater Level Information

The approximate elevation of any surface waters or groundwater within the project area is available from maps published by South Florida Water Management District and Broward County. The depth of the groundwater from the existing ground surface can impact the excavation operations during the installation of the proposed underground utilities.

Maintenance Records

Any available maintenance records will be reviewed to confirm the conditions of the existing piping within the project area.

Existing Permits

Chen Moore and Associates will gather any existing regulatory permits within the project area.

Aerial photograph

CMA shall review existing aerial photographs of the project area and note the following, among other items: the proximity of available outfall locations; existing outfall locations; existing above ground utilities to be coordinated; existing area property developments; existing landscaping/trees that will need to be coordinated for the implementation of the proposed project; existing traffic control of the project area; and specialty roadway or driveway materials that will need to be accommodated, etc.

Site specific field visit

In addition to reviewing existing available information, CMA will conduct a project-specific site visit to identify features that may not have been identified in existing documentation and to review conditions as they exist today. Based on a site visit and review of existing data, CMA can supplement the existing data with only the required additional information, thereby providing an efficient and cost effective existing conditions analysis of the project area. Additional information that is typically requested includes additional survey data and site-specific geotechnical information, which would be provided by our subconsultants.

Obtain Stakeholder Input

In the City of Margate, obtaining stakeholder input is critical to the success of any project. It is important



that stakeholders are engaged early in the process. The Chen Moore team will meet with the City's staff, regulatory agencies, residents, business owners, neighboring municipalities and other interested parties as necessary to make sure the expectations are understood by each party involved in the project. Often consultants do not spend enough time communicating with their clients and this can result in misunderstandings and in failing to meet the

project expectations. The Chen Moore team understands the importance of communication during the project and is available to meet with clients as often as possible to get the job done. During this phase of our project approach, CMA will document all discussions and meetings by producing project meeting minutes. CMA will meet with the City's staff as necessary until clear project expectations have been agreed upon by all stakeholders.

Conceptual Planning

Chen Moore and Associates will begin the design process by developing conceptual layouts of the

proposed water main. Chen Moore and Associates will develop the conceptual layouts within GIS to ensure it is integrated with the utility atlas of the existing underground infrastructure within the project area. As necessary, Chen Moore and Associates will digitize any as-built plans provided by the City within the GIS utility atlas. The conceptual layout process can be done quickly with the available GIS tools. The resulting electronic format will allow for the analysis of various layout alternatives prior to the selection of the most effective layout. The conceptual layout of the proposed improvements is useful for identifying potential underground conflicts prior to proceeding with detailed design. Chen Moore and Associates will use the selected conceptual layout to develop a preliminary cost estimated of the proposed improvements to ensure the recommended improvements are within the City's project budget prior with proceeding to detailed design. Chen Moore and Associates will also use the conceptual layout of the proposed improvements to develop the computer model, which will be used to size the water main.

Modeling Analysis

Once the necessary data has been collected, reviewed and digitized, Chen Moore and Associates will analyze the City's existing infrastructure using an appropriate modeling software package. We can utilize a three dimensional model of the existing ground surface to calculate proper cover for utility pipes and to create utility profiles based on slope and minimum invert requirements. We are able to use these programs to calculate friction losses and size pipes for various flow scenarios. As such, the plan and profiles for underground utilities can be designed and laid out with the assistance of our modeling software. The results of this computer modeling along with Chen Moore and Associates' nearly three decades of underground utility design experience will allow us to make recommendations for the most effective layout of the proposed water main. Based on our modeling analysis, Chen Moore and Associates will present the advantages and disadvantages of each alternative layout for the proposed infrastructure improvements, which will allow the project team to make the most informed decisions before proceeding to permitting and detailed design.



Detailed Design

Upon final review and analysis of existing conditions along with initial design efforts, alternatives can be developed for review with City of Margate staff to achieve identified project goals. Based on initial analysis, a preliminary design will be presented to the City of Margate along with an estimated project budget, a timeline to complete the project and an achieved level-of-service goal. In addition, CMA will identify the constraints of any proposed options. CMA will review City concerns with City staff and answer any questions raised by the City in order to incorporate City input into the identification of the best solution to achieve the project goals. Once the best design is established, CMA will develop proposed project plans and bidding documents to construct the proposed project. Having worked with public clients for over 27 years, the Chen Moore team has a proven ability to accurately and expeditiously handle the project delivery method of a public client, most of which are quite similar, as most procurement is part of State statutes.

While general layout of the proposed infrastructure improvements will be determined during the conceptual planning and review phase, this detailed design phase will define the actual implementation of the proposed improvements during the construction phase. Chen Moore and Associates will develop the construction plans based on the topographic survey for the project area. Survey services will be provided by Stoner and Associates, Inc. They will provide a topographic survey that includes all significant above-ground features, buried utilities, property boundaries and the underwater conditions.

CMA has extensive experience in the design of infrastructure for municipalities and utilities throughout South Florida. Our engineers have the experience to address the more important utility issues and work to recommend and prioritize phasing for potential improvements.

Final construction plans will be produced by combining the data gathered during the conceptual planning with survey and modeling data. As part of the project design, CMA utilizes the latest available software

to develop construction documents. The Chen Moore team typically implements the latest versions of AutoCAD, AutoCAD Civil 3D, GIS and Microsoft Office programs to develop construction plans and contract documents. Chen Moore and Associates' engineering staff will rigorously examine the plans to address any conflicts with existing utilities, provide all necessary construction details and address regulatory requirements noted during permitting. The plans will be reviewed continuously for contractibility and efficiency of design. The City will have opportunities to provide comment during each of the progress submittals at the 30%, 60%, 90% and final completion milestones. Each progress submittal will include engineering plans, technical specifications and cost estimates.

Another important part of the project design is the project cost estimate. As previously mentioned, CMA uses two main methods for determining accurate unit prices in order to arrive at an accurate cost estimate. The first method is to consult with the construction management staff to determine the current bidding climate. The second method is to consult with other public sources, such as various municipal and County purchasing websites, to follow patterns in the bidding of other similar projects.

Coordination is another aspect of the project that will start at the very beginning. Through experience, CMA has learned that a project can only be successful when open lines of communication exist between the Engineer and the City, the public, various agencies, services and other consultants. Only by working together can every stakeholder feel that their individual experience contributed to the successful completion of the project. When a project commences, the Chen Moore Project Manager establishes communication with the City through regular phone and email correspondence. We pride ourselves on being responsive to our clients. This practice is continued through the duration of the project in order to ensure a successful project. Our project managers have experience leading project progress meetings, briefing elected officials, participating in construction meetings, meeting with regulatory agencies and speaking at public meetings involving citizens and residents. CMA is also available to attend City Commission meetings upon request.

Permitting

Coordination of the permitting process is an aspect of the project that will begin early in the design phase.



From the very start, Chen Moore and Associates will contact the permitting agencies to open lines of communication and identify even the smallest obstacles that could delay permit issuance. Through experience, Chen Moore and Associates has learned that a project can only be successful when open lines

of communication between the engineer and the City, various permitting agencies and other consultants exist. Permit applications can define the schedule of a project, so Chen Moore and Associates researches the needs and time frames for permits as far in advance as possible. Chen Moore and Associates is based in Broward County and performs most of its work within the Tri- County Area. As such, familiarity with the regulatory agencies goes beyond the norm and we maintain first name relationships. The local regulatory agencies expected to have jurisdiction on this project outside of the City of Margate include the following agencies:

- Broward County Health Department (BCHD)
- Broward County Environmental Protection and Growth Management Department (BCEPGM)
- Broward County Highway Construction and Engineering Department (BCHCED)
- Broward County Traffic Engineering
- South Florida Water Management District (SFWMD)
- Florida Department of Environmental Protection (FDEP)
- Florida Department of Transportation (FDOT)

Permitting processes will be expedited through clear communications, both with the City and with regulators in question. Permit packages will be prepared with thorough, transparent, and complete calculations, models and supporting documentation. Draft permits will be provided and discussed with you ahead of submittal so that approaches can be adjusted to best suit the City's needs. Pre-application

meetings will be scheduled when your needs can be better met with this form of communication. Our GIS team will prepare clear and concise graphics in support of permit applications so that regulators will not need to issue needless requests for additional information because the basics of a project are not well understood.

Construction Phase Services

The in-house construction engineering team at Chen Moore and Associates will be led by Mr. McClair from our Fort Lauderdale Office. Mr. McClair has over 17 years of engineering experience in South Florida on municipal infrastructure projects. The following section elaborates on the abilities of the staff to complete all required construction administration tasks.

Coordination of the bid process, analysis of bids and recommendation on the award of construction contract

The Chen Moore and Associates staff is very familiar with the entire bidding process. Our construction staff is prepared to begin the bidding process at the moment the final contract documents are complete. At the direction of City staff, our staff will place the advertisement for the Invitation to Bid and coordinate all production and distribution of documents to interested bidders. A mandatory pre-bid meeting will cover all of the administrative requirements of the bidding process and allow bidders to ask questions and seek clarification, if they so desire. An experienced CMA staff member will conduct the public bid opening, tabulate the bids received and evaluate the contractors for compliance with the bid documents. Once a responsive and responsible bidder is determined to be in the best interest of the City, we will make a recommendation for award of the construction contract.



Conduct a Pre-Construction Conference

Once a contractor has been selected and the contract awarded, Chen Moore and Associates' construction phase project manager, Mr. McClair, will conduct a pre-construction conference. As an experienced construction project administrator, Mr. McClair will review all of the administrative requirements - from the preliminary submittals to the final release of lien, and everything in between - with the selected contractor at the pre-construction conference. The entire team – the engineer, contractor, City, other utilities and permitting agencies – will review the project to establish the lines of communication, submittal procedures and all other processes to facilitate the successful completion of the project.

Field Observation, Inspection, and Documentation

During the construction phase, an experienced Chen Moore and Associates field inspector will observe and document the operations of the contractor. The inspector will complete a detailed daily report of construction for each day they are on site. The inspector will monitor the progress of the work and document the contractor's operations. As the eyes and ears of the engineer, the field inspector will also help to resolve any conflicts should any unexpected conditions be encountered. The inspector will also verify that the materials used are those that were specified and submitted and that material testing is conducted according to the contract documents.

Contractor Correspondence and Documentation – including responding to requests for information, reviewing and responding to contractor's requests for contract modifications, and responding to contractor claims

It is essential during construction to have ongoing communication between the City, the contractor and the engineer. Chen Moore and Associates has established a solid reputation as a construction administration firm by taking a proactive approach to communication with the project team. Requests for information are reviewed and answered as quickly as possible to minimize any delay and keep the project moving forward.

We realize that even with the best planning, pre-investigation, design and communication, changes can occur during construction. The most effective way of dealing with changes during construction is to try to

anticipate them and provide alternative solutions quickly. Chen Moore and Associates has built a reputation of administering projects in a way which minimizes change orders and the costs associated with them. In the rare event that change orders become necessary, Chen Moore and Associates has the knowledge and experience to skillfully negotiate the best value possible for the City.

Reviewing Contractor Requests for Payment

Protecting our clients by ensuring they get what they pay for is part of what has built Chen Moore and Associates' reputation in the construction administration field. A vital part of that protection is verifying the contractor's progress before each and every progress payment. When our project manager receives a pay request from a contractor, he will compare the quantities and progress with the daily reports of construction for that period. Only when he is completely satisfied that the payment requested is for the work completed – and that the work is of acceptable quality – will he approve and forward the payment request to the City for payment.

Project Start-up, Testing, and Final Inspection

In addition to the daily observation and inspection made by the Chen Moore and Associates field inspectors, during the start-up and testing of critical systems, additional engineering staff will be present on site. When the contractor notifies the project manager that construction is substantially complete, Chen Moore and Associates will conduct an inspection to determine any outstanding items to be completed or repaired (Punch List). The completion of these items will be monitored by a Chen Moore and Associates inspector and when they are complete, the project manager will conduct his final inspection. Only when the project manager is completely satisfied that the contractor has completed the project will he issue a certificate of completion.



Permit Closeout and Record Drawings

Critical to the close out of any permits will be the accurate and timely submittal of Record Drawings (sometimes referred to as “As-Built” drawings, though this term has fallen out of favor). The accuracy of these drawings is not only important for the regulatory agencies and permit closeout, but also for the City's benefit in continuing operations and maintenance of the force main. Many contractors fail to see the importance of these drawings, and as a result, the drawings they provide are not as accurate as we would desire. To emphasize the importance of these drawings, Chen Moore and Associates specifies in our construction contract documents that the contractor submit drafts of the Record Drawings, prepared by his surveyor, with each request for payment. Only when the Record Drawings are acceptable is the request for payment approved and forwarded to the City.

Public Involvement

Public involvement is an important step to be undertaken. This ensures the information that the public will receive is current and correct because it comes straight from the source. Additionally, it provides the public with an opportunity to provide valuable feedback, ask questions, give complaints and generally understand the progress of the project. Having been in charge of the public involvement for several projects of this nature, Chen Moore and Associates has developed an approach that encompasses four elements to ensure public involvement and minimize complaints. These include public information, homeowners meetings, complaint resolution and services coordination. Each of these areas is discussed as follows:

Public Information

A key component of public involvement is a public information campaign that ensures the public is always well-informed of the work. By giving the public information before it is requested, it minimizes the potential questions and complaints that may bog down the project team. The Chen Moore and Associates approach

includes a direct mail campaign to initiate the project along with door hangers and signage that informs the public as the project progresses. The language in these notices is always jointly approved by the entire project team to eliminate any potential surprises.

Stakeholder Meetings

Public meetings held for the impacted homeowner's are good forums for the gathering and dissemination of information to large groups of the affected public. In these meetings, Chen Moore and Associates has made presentations to inform the public of the upcoming improvements in lay terms to enhance the purpose of the direct mail campaign. In other meetings, Chen Moore and Associates' staff has been present to give construction updates and record any concerns that may arise. Our presence at these meetings helps maintain the image of constant public involvement and the idea that the public is an important member of the project team.



Complaint Resolution

One of the most critical components of public involvement is the acquiring, tracking and resolution of public complaints. The acquiring of the complaints needs to be thorough and courteous to ensure that the nature of the complaint is accurately portrayed and that the public is not additionally inflamed. The tracking of the complaints should include the complaint initiation, the results of the site and preconstruction research, the instructions to contractor and the actual resolution of the complaint. In addition, a record of all contact with the person initiating the complaint will be kept. Finally, the resolution of the complaint needs to include an official document notifying the originator of the complaint of the final outcome. Every step in the complaint resolution process needs to be accurately recorded for use in any possible future concerns.

Services Coordination

From experience, Chen Moore and Associates has realized that over one quarter of all complaints in projects of this nature result from residents being deprived of an essential service because of the construction. These include postal delivery, solid waste collection, public transportation rerouting and other normal daily services.

In order to avoid these concerns, Chen Moore and Associates works with the agencies involved prior to the deprivation of services in order to reach a solution that is amicable to all parties involved. This includes the sending of construction impacts, such as a street closure schedule, on a weekly basis to any party that does business in the area so that they can plan around the necessary inconvenience of construction. Additionally, during the initial public information direct mail campaign, Chen Moore and Associates sends out special needs forms whereby any individual that may experience difficulties as a result of the improvements is given an opportunity to be identified prior to any loss of service.

Motorist Safety

Motorist safety, and the safety of the public in general, will be an important part of both the design and construction phase. During the design phase, Chen Moore and Associates will take public safety into account when designating site access points and lay-down areas for the construction contractor. Maintenance of traffic plans will be created in accordance with FDOT's Standard Indexes, but may be enhanced where needed after input from the City staff, including local law enforcement and fire-rescue agencies. These could include additional advanced warning signs, variable message boards, or other widely-accepted techniques for communicating changes in traffic patterns with motorists.

During construction, it will be the contractor's responsibility to follow all of the motorist and public safety portions of the contract. The Chen Moore and Associates inspector will monitor these features each day that they are on site. If deficiencies are noted, they will be appropriately addressed with the contractor as soon as they are recognized. Lane closures, street closures and detours will be closely coordinated

with public safety officials to ensure the construction does not impact emergency response within the construction areas.

Scheduling Methodology

Chen Moore and Associates feels that responsiveness to our client's needs is the driving force in consulting engineering. If the client is interested in fast tracking or expediting a project, then Chen Moore and Associates will perform within the specified time frame. There are a number of times during a typical design project where the schedule can be accelerated without adverse effects. It is during these times that Chen Moore and Associates suggests the schedule be reconsidered, so that a quality project will be delivered within the desired time frame.



CMA understands that specific scheduling constraints apply to this project according to the bond funds. Also, the City may want designs by various consultants to be completed simultaneously, and therefore bid simultaneously. This may provide a savings in the construction cost if a contractor intends to perform multiple projects in the same time frame. .

Upon award of this contract, Chen Moore and Associates would like to establish a fee schedule for all foreseen tasks. Contract negotiation time will be reduced for each specific work order to a discussion over number of hours required to complete a task. Without negotiating fees, the discussion will go much more expeditiously.

During the contract negotiation phase for each work order, Chen Moore and Associates will attempt to ascertain the driving factor for each project. Once these factor(s) have been determined, Chen Moore and Associates will present the client with a projected schedule that meets their needs. At this time, Chen Moore and Associates will discuss any potential concerns, such as coordination pitfalls or long permit review times that will arise as a result of this schedule. By addressing these concerns at the inception of a project, Chen Moore and Associates can prepare the client for a realistic expectation of the project schedule and any potential concerns.

The average engineering contract calls for a project schedule and cost estimate to be provided with the final submittal. Preparation of these materials can be time consuming, if a quality product is to be sent. Chen Moore and Associates insists on creating project schedules and cost estimate and beginning the permitting process from project inception. Therefore, while other firms are creating new schedules and cost estimates, Chen Moore and Associates is merely refining an existing document. Our clients are the direct beneficiary of this time gained.

Chen Moore and Associates is a firm believer in the motto “make realistic expectations and the realizations will be as expected.” By adhering to this ideal, Chen Moore and Associates is able to tell a client whether or not simply putting more staff on a project will put a project back on track, without giving excuses once the project is completed late.

Workload

CMA makes the commitment that all key personnel on the project team will be dedicated as necessary to meet the needs of the City of Margate. All CMA project managers and staff realize that on-time delivery is a key element in meeting our commitments to clients. Because of our resources and qualified personnel, CMA is able to overcome any unforeseen delays by assigning additional staff.

The work under this contract will be performed out of our Broward County office. All of CMA proposed staff and resources are immediately available to start work on one or more of the elements identified in your Request for Qualifications. As mentioned earlier, CMA offers the City a large staff, with varying skills and capabilities, all of whom have worked together on numerous projects.

CMA confirms our availability to continue the work specified in the RFQ on an ongoing and as needed basis. It is the intention that the Chen Moore staff members and subconsultants identified in the organizational

chart will be used for projects for the City of Margate. No substitutions will be made unless they are approved by City staff.

Quality Control Methodology

The actual quality control process is integrated into the cost and schedule control review. By completely integrating the process, not only are the plans reviewed for accuracy, but the contract documents are scrutinized, preliminary schedules are developed, cost estimates are created, conflicts are identified and solutions are developed. In addition to the reviews by CMA staff and peer reviewers, CMA implements software as a non-biased review.

CMA feels that by incorporating schedule control, cost control, cost estimating and quality control into the standard design and review process, a significant increase in performance is realized. These reviews avoid the “surprises” of unrealistic schedules, designs that are not constructible, overextended budgets and unforeseen conflicts. By avoiding these concerns, CMA is able to complete a project without having to redesign the project, in either the design or construction phases. This leads to a direct time savings for CMA which leads to a direct cost savings for the client.

The design of the projects for this contract will be performed by our Broward County office, with QA/QC performed by the corporate office in Fort Lauderdale. The design documents will be reviewed by both senior engineers as well as construction managers. This approach provides a fresh perspective on each project, while still maintaining accountability within the company.

Available Resources

The facilities that CMA currently occupies will provide the staff working on this project with the equipment and space that is needed. CMA intends on employing the latest software and technology for this project, including:

- CMA FTP site to easily transmit data digitally
- AutoCAD Civil 3D 2013 for plan production
- ArcGIS 10.2.2 for analysis and exhibits
- ArcGIS online with Collector application for coordination and field work
- ICPR and SWMM for stormwater modeling
- InfoWater, SewerCAD, WaterCAD, StormCAD for hydraulic modeling

Project Communication

Coordination is another aspect of the project that will start at the very beginning. Through experience, CMA has learned that a project can only be successful when open lines of communication exist between the engineer and the City, the public, various agencies, services and other consultants. Only by working together can every stakeholder feel that their individual experience contributed to the successful completion of the project.

When a project commences, the CMA Project Manager will establish communication with the City through regular phone and email correspondence, as well as regular progress meetings. This practice is continued through the duration of the project in order to ensure success. Our project managers have experience leading project progress meetings, briefing elected officials, participating in construction meetings, meeting with regulatory agencies and speaking at public meetings involving citizens and residents. CMA is also available to attend City Commission meetings upon request.



Approach to Organization Management

The Chen Moore and Associates approach to organizational management is two-fold. As an organization, Chen Moore and Associates divides their staff based on administrative and technical knowledge. These levels include principal, senior staff, staff and associate staff which are all displayed in the Chen Moore and Associates Organizational Chart.

Responsibilities of Management and Staff

For each project, a principal-in-charge and project manager both work together from project inception to project completion. The project manager's responsibility is to supervise all aspects of the contract, from contract negotiation, to project performance and through contract completion. This individual will serve as a singular point of contact for the client to guarantee that a message delivered to Chen Moore and Associates will be delivered to an empowered party. The principal-in-charge's role will be to serve as a quality control officer for the project manager. This may include additional scope review, quality control/quality assurance or an exit interview to discover the positives and negatives found through the course of the project. By implementing this method of project control, Chen Moore and Associates can ensure that the proper personnel will be available for the proper responsibilities.



Method Employed to Ensure Prompt Service

The services provided in consulting engineering are not easily defined; the only method to ensure prompt service for all services is by making responsiveness a top priority in the corporate culture. At Chen Moore and Associates, we carry our responsiveness to the next level. All employees are assigned smartphones. Our cellular phone numbers appear on the front of our business cards so that all clients will be able to quickly find our personnel when their services are required. Additionally, our email addresses appear on the front of our business cards. It is standing company policy that all employees must review and respond to their emails no less than once per working day. This includes days in which they are out of the office on training or working on other projects. Finally, Chen Moore and Associates has a policy that no phone message should go left unreturned. This is ensured by the fact that we employ a state-of-the-art voice mail system that will call the person that was left a message and notify them that a message is waiting for them at the office. Therefore, whether a client contacts a Chen Moore employee at the office, on the mobile phone or via email, no need will go unnoticed.

Customer Satisfaction

By definition, a consulting engineer has many clients. As an engineer, an oath is taken to protect the public safety, health and wellbeing. As a consultant, it is critical to foresee potential problems and come to prompt, cost-effective and maintainable solutions. By maintaining a professional attitude and through the successful performance of projects throughout the 32-year history of Chen Moore and Associates, we have been able to find a way to maintain both our obligations to the public and our obligations to our clients. While these two obligations are not always mutually exclusive, we believe that our experience and foresight ensures that there are never conflicts between them.

Prompt Complaint Resolution

The key to prompt complaint resolution is the conveyance of knowledge to all affected parties. This is not as simple as stating that a public information campaign will solve all of the complaints begotten by a project, but rather that all parties in a project, client, contractor, consultant, inspectors and the public are all aware of the project scope, impacts and areas of focus before any one of those persons becomes frustrated.

Effective Employee Performance and Training

The key to an effective employee performance and training program is a top down approach. At Chen Moore and Associates, the principals of the company lead by example. This is true not only in the approach to projects in the office, but in their approach to life and involvement in the community that they live in. In addition to leading their employees, the principals of Chen Moore and Associates have rigid performance evaluation timelines in which each employee revisits their responsibilities, accomplishments and goals twice per year. Finally, Chen Moore and Associates is proud to note that all major company decisions are made by all the employees in a democratic manner. Once per year, the company meets on a weekend to assess the past years successes and setbacks and assigns corporate goals for all to follow. Also, when any addition to the Chen Moore and Associates Team is considered, prospective candidates meet with all of the employees in the firm and are interviewed not only by their future supervisor, but by their future coworkers to ensure that no one decision interferes with company chemistry.

Timely Initiation and Completion of Work

The key to the timely initiation and completion of work lies within the initial definition of the scope of work. Through open negotiations, both parties in a contract know the important elements of the projects and the potential setbacks that may occur in the course of the completion of the project. With a team mentality, resources become allocated correctly and the potential setbacks are bypassed.

ARCHITECT – ENGINEER QUALIFICATIONS

PART I – CONTRACT SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

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

RFQ Civil Engineering Services, Margate, FL

2. PUBLIC NOTICE DATE

September 14, 2018

3. SOLICITATION OR PROJECT NUMBER

2018-012

B. ARCHITECT - ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Jason McClair, P.E., CFM, LEED AP, Vice President and Treasurer/Project Manager

5. NAME OF FIRM

Chen Moore and Associates

6. TELEPHONE NUMBER

954.730.0707 x1003

7. FAX NUMBER

954.730.2030

8. E-MAIL ADDRESS

jmcclair@chenmoore.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"/>			Chen Moore and Associates <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	500 West Cypress Creek Road Suite 630 Fort Lauderdale, FL 33309	Civil Engineering and Landscape Architecture
b.			<input checked="" type="checkbox"/>	C&W Engineering <input type="checkbox"/> CHECK IF BRANCH OFFICE	2775 Vista Parkway, G-6 West Palm Beach, FL 33411	Electrical Engineering
c.			<input checked="" type="checkbox"/>	MUEngineers <input type="checkbox"/> CHECK IF BRANCH OFFICE	1925 NE 45th Street Suite 132 Fort Lauderdale, FL 33308	Structural Engineering
d.			<input checked="" type="checkbox"/>	Nutting Engineers of Florida, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	1310 Neptune Drive Boynton Beach, FL 33426-8404	Geotechnical Engineering
e.			<input checked="" type="checkbox"/>	Stoner and Associates, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	4341 SW 62nd Avenue Davie, FL 33314	Surveying
f.			<input checked="" type="checkbox"/>	Traf Tech Engineering Inc <input type="checkbox"/> CHECK IF BRANCH OFFICE	8400 N University Drive Suite 307 Tamarac, FL 33321	Traffic Engineering

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

☒ (Attached)

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Peter Moore, P.E., F. ASCE, ENV SP, LEED AP	13. ROLE IN THIS CONTRACT Principal-in-Charge	14. YEARS EXPERIENCE a. TOTAL 22 b. WITH CURRENT FIRM 19	
15. FIRM NAME AND LOCATION (City and State) Chen Moore and Associates, Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) Bachelor of Science / Civil Engineering Master of Engineering / Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) As the President of the firm, Mr. Moore is ultimately responsible for all day to day operations of the firm. Mr. Moore works as the Client Project Manager for work in Broward County, Pompano Beach and Deerfield Beach and continues to be involved in the successful completion of projects. These projects include sanitary collection improvements, pump station rehabilitation, transportation engineering enhancements, water and reclaimed water consulting along with all other phases of civil engineering design and neighborhood improvements. Additionally, Mr. Moore serves as the Assistant City Engineer for the City of Coral Springs and is the spokesperson for the City's Engineering Division.			

19. RELEVANT PROJECTS

	(2) YEAR COMPLETED
a. (1) TITLE AND LOCATION (City and State) El Nino Grande Drainage Improvements Margate, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal. Mr. Moore was responsible for overall QA/QC and leading all public involvement efforts in this retrofit project. CMA was the prime consultant for the El Nino Grande Drainage Improvements Project. This project, funded by Community Development Block Grant Funds, served two separate neighborhoods that had chronic flooding problems. The two areas were permitted and designed by examining the original permit documents and close coordination with the regulatory agencies. Additionally, a great deal of public involvement went into this contract because of the high profile of the drainage improvements and the City's desire for public involvement in the CDBG process. Cost \$ 1,100,000 Fee \$ 207,000	PROFESSIONAL SERVICES 2003 CONSTRUCTION (If applicable) 2003 [X] Check if project performed with current firm
b. (1) TITLE AND LOCATION (City and State) Cove Gardens Improvements Deerfield Beach, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal. The Cove Gardens Neighborhood is a residential area located in the Deerfield CRA just south of Hillsboro by SE 12th Avenue. The scope of services includes the design of streetscaping and roundabout with landscaping, lighting and sidewalks, roadway design and realignments, and new drainage facilities to alleviate surface water issues. Bidding assistance and construction administration services were also provided. Fee \$ 65,763.00	PROFESSIONAL SERVICES 2012 CONSTRUCTION (If applicable) 2012 [X] Check if project performed with current firm
c. (1) TITLE AND LOCATION (City and State) City Hall Parking Lot Margate, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal. The City of Margate retained CMA to prepare bid documents for the asphalt resurfacing of the City Hall Parking Lot, which is located at 5790 Margate Boulevard. The existing asphalt parking lot, which located on the south side of the City Hall, was in need of resurfacing based on the current conditions. The City needed to install an asphalt overlay over the existing surface within parking and driveway areas. The City preferred the use of polymer modified asphalt (PMA) to reduce possibility of reflective cracking within the overlay layer in the future. The proposed work also included the placement of new pavement markings and the re-installation of existing signage with new mounting hardware. Fee \$ 6,000	PROFESSIONAL SERVICES 2013 CONSTRUCTION (If applicable) 2013 [X] Check if project performed with current firm
d. (1) TITLE AND LOCATION (City and State) Margate Boulevard Pavement Markings Margate, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal. The City of Margate retained Chen Moore and Associates to prepare design plans for new pavement markings and signage at the western end of Margate Boulevard near NW 80th Terrace. The project limits included Margate Boulevard between NW 80th Avenue and the western street end at the existing drainage canal. The purpose of the proposed pavement markings and signage was to enhance the safety for vehicular traffic approaching the street end. The City intended to implement new pavement markings and signage within the project to restrict the flow of vehicular traffic at the western street end along with providing additional warning to vehicle traffic to the upcoming street end at the drainage canal. CMA was responsible for providing professional services necessary to prepare design plans and obtain approval from Broward County Traffic Engineering. Fee \$ 4,000	PROFESSIONAL SERVICES 2014 CONSTRUCTION (If applicable) 2014 [X] Check if project performed with current firm
e. (1) TITLE AND LOCATION (City and State) Margate Boulevard Design and Construction Services Margate, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal. Responsible for the construction administration, design adjustments and coordination with the client during the construction phase of this project. CMA was contracted by the City of Margate CRA for design and construction services for the Margate Boulevard Streetscape Improvement Project. The project replaced a 4-way stop intersection with a roundabout and included traffic analysis, roadway design, drainage design, specialized soil analysis, electrical design for specialized lights, landscaping, brick paver sidewalks and structural components of a large clock tower that was installed in the center of the roundabout. Fee \$ 3,900,00 Fee \$ 412,000	PROFESSIONAL SERVICES 2007 CONSTRUCTION (If applicable) 2008 [X] Check if project performed with current firm

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Jose Acosta, P.E., F.ASCE	13. ROLE IN THIS CONTRACT QA/QC	14. YEARS EXPERIENCE	
		a. TOTAL 20	b. WITH CURRENT FIRM 7
15. FIRM NAME AND LOCATION (City and State) Chen Moore and Associates, Miami, FL			
16. EDUCATION (Degree and Specialization) Masters of Business Administration / Master of Business Administration/ Bachelor of Science / Civil Engineering Bachelor of Science / Architectural Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) FL / Professional Engineer / Natl. Council of Examiners for Eng. & Surveying	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Acosta has over 20 years of design and project management experience in various industries, including municipal continuing service contracts, K-12 education, higher education, healthcare, transportation, and commercial/residential/industrial private development. His background includes neighborhood improvement projects, streetscape enhancements, utility relocation, on- and off-site infrastructure design, bidding assistance and construction administration services for several municipalities throughout Miami-Dade, Broward and Palm Beach Counties.			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Stormwater Master Plan Modeling and Design Implementation Ft Lauderdale, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Sr. Engineer. CMA is providing engineering design services for the under-Stormwater Improvement Master Plan Modeling and Design Implementation Project under the for the City of Fort Lauderdale. CMA is responsible for the planning, modeling, design, and permitting for the proposed stormwater improvements within the Victoria Park neighborhood, which was identified as one of the 7 priority neighborhoods with the City. The proposed stormwater improvements within the Victoria Park neighborhood are estimated to be approximately \$13 million in construction costs. Fee \$ 812,799		
	Broward County UAZ 110/111 & 113 Water Sewer Improvements 113B Lauderdale Lakes, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Sr. Engineer. The Water and Sanitary Sewer Improvements for the UAZ 110/111 & 113 Project will include the improvements to the existing water distribution system, sanitary sewer system, and transmission systems within the project area along with the restoration of surface areas disturbed for the construction of said improvements. The existing system being replaced consists of approximately 168,100LF of water mains, 122,100 LF of sanitary sewer mains and 23,600 LF force main. Fee \$ 3,544,729.24		
	BARC & SATC Civil & Landscape Dev Project Ft Lauderdale, FL	PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) 2018
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Sr. Engineer. CMA, as a subconsultant to Saltz Michelson, provided professional services for the site civil and landscape architecture design for the development of the Broward Addiction Recovery Center (BARC) and the Nancy J Cotterman Center (NJCC) buildings. Services included design of water, sewer, paving and drainage; and landscape architecture elements. The project was designed to meet LEED Gold certifications. Some of the sustainable systems designed by Chen Moore included a rainwater harvesting system that utilized stormwater runoff for some of the building plumbing needs. Fee \$ 77,885.85		
	BC Central Campus Lot A Parking Lot Improvement Davie, FL	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2017
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Principal Project Manager Supervisor. CMA is providing civil engineering and related services for Lot A Parking Lot Improvements on Broward College's Central Campus. Parking lot improvements include regrading, pavement restoration (via milling/resurfacing, seal coat or full restoration), pavement marking improvements to the latest FDOT and MUTCD criteria, the addition of tree islands including curb, and drainage improvements via two retention areas. CMA is providing utility coordination and preliminary engineering, construction documents and construction administration services. Fee \$ 48,585		
	All Aboard FL - Ft Lauderdale Ft Lauderdale, FL	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) 2016
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Manager. This project involves the design, permitting, and construction administration services for the All Aboard Florida Ft. Lauderdale Station. The project is located in Downtown Ft. Lauderdale, between W. Broward Blvd., NW 4th Street, the Florida East Coast Railroad and NW 4th Avenue. This project is one Inline Station for the overall All Aboard Florida Rail Project, which proposes passenger rail service from Miami to Orlando. The project consists of a two-level, 5,000 gsf catering facility, a 73 space permanent parking lot, a 144 space temporary parking lot, 660 linear foot of new two-lane roadway with parallel parking and sidewalk, a 860-ft long high level train platform, a three-level, 30,000 gsf station lobby, mezzanine and concourse areas. The total project area is approximately 8.75 acres. CMA is providing utility coordination services, site plan coordination, and the design of paving, grading, and drainage, water and sewer mains and services, and pavement markings and signage. The utility systems include exfiltration trenches, drainage wells, water main relocation and sewer main replacement. Cost \$20,000,000 Fee \$ 154,850		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Jason McClair, P.E., CFM, LEED AP	13. ROLE IN THIS CONTRACT Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 22	b. WITH CURRENT FIRM 17
15. FIRM NAME AND LOCATION (City and State) Chen Moore and Associates, Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) Bachelor of Science / Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. McClair is a senior civil engineer with more than 22 years of experience in utility infrastructure design, regulatory permitting, geotechnical engineering, and computer aided flow modeling for stormwater collection, water distribution, and sanitary transmission systems. He was the project manager for the Fort Lauderdale-Hollywood International Airport Stormwater Master Plan Update and the Pompano Beach Stormwater Master Plan.			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	City Hall Parking Lot Margate, FL	2013	2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. Mr. McClair was the project manager throughout the design, permitting, and construction phases for this stormwater improvements project. He was responsible for leading the project team through all aspects of the project. The City of Margate retained Chen Moore and Associates (CMA) to prepare bid documents for the asphalt resurfacing of the City Hall Parking Lot, which is located at 5790 Margate Boulevard. The existing asphalt parking lot, which located on the south side of the City Hall, was in need of resurfacing based on the current conditions. The City needed to install an asphalt overlay over the existing surface within parking and driveway areas. The City preferred the use of polymer modified asphalt (PMA) to reduce possibility of reflective cracking within the overlay layer in the future. The proposed work also included the placement of new pavement markings and the re-installation of existing signage with new mounting hardware. Fee \$ 6,000		
b.	Margate Dog Park Margate, FL	2017	2017
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal Project Manager. Mr. McClair was the project manager throughout the design, permitting, and construction phases for this stormwater improvements project. He was responsible for leading the project team through all aspects of the project. CMA is providing professional design services for the Margate Dog Park Project. CMA's scope of services includes conceptual plan development; public workshops with the homeowner's association and City commission; topographic survey; subsurface utility verification; geotechnical investigation; document research/review; civil engineering design; landscape/irrigation design; regulatory and surface water permitting; bid document preparation; bidding coordination; and bid review. Fee \$ 53,870		
c.	Dog Park at Firefighters Park Margate, FL	Ongoing	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal Project Manager. Mr. McClair was the project manager throughout the design, permitting, and construction phases for this stormwater improvements project. He was responsible for leading the project team through all aspects of the project. CMA is providing a conceptual design for a proposed dog park adjacent for the City of Margate. The project will include various parking, drainage, hardscape, landscape, irrigation, and utility improvements to convert the existing passive park area into dual small and large dog park. The scope will include preparing a conceptual plan and attending a public workshop with the City Commission. Fee \$ 8,080		
d.	Margate Boulevard Pavement Markings Margate, FL	2014	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. The City of Margate retained CMA to prepare design plans for new pavement markings and signage at the western end of Margate Boulevard near NW 80 th Terrace. The purpose of the proposed pavement markings and signage was to enhance the safety for vehicular traffic approaching the street end. The City intended to implement new pavement markings and signage within the project to restrict the flow of vehicular traffic at the western street end along with providing additional warning to vehicle traffic to the upcoming street end at the drainage canal. CMA was responsible for providing professional services necessary to prepare design plans and obtain approval from Broward County Traffic Engineering. Fee \$ 4,000		
e.	Coconut Creek Parkway Margate, FL	2016	2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior Engineer. CMA provided professional services to the Margate CRA for the design, permitting and construction administration of the Coconut Parkway Median Improvement Project from SR 7 to Banks Road. CMA coordinated with Broward County Traffic Engineering to determine the possibility of installing a median with turning lanes in the existing center suicide lane. Coordination was also required with Broward County Highway Construction Engineering Division, the Florida Department of Transportation, and Broward County Environmental Protection and Growth Management Division for surface water management permitting. Fee \$ 750,000 Cost \$ 59,291		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Suzanne Dombrowski, P.E., ENV SP	13. ROLE IN THIS CONTRACT Assistant Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 14	b. WITH CURRENT FIRM 12
15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates - West Palm Beach, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Civil Engineering Master of Engineering / Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Ms. Dombrowski is a senior engineer and West Palm Beach Branch Manager with Chen Moore and Associates. She holds a bachelor's degree in civil engineering and a master's degree in engineering with a specialization in civil engineering from the University of Florida. Ms. Dombrowski has managed a wide range of municipal utility, drainage and roadway projects from the planning stages throughout construction. She also designs the site civil improvements for both public and municipal facilities.			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a.	Margate Boulevard Design and Construction Services Margate, FL	2007	2008
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer. Responsible for the construction administration, design adjustments and coordination with the client during the construction phase of this project. CMA was contracted by the City of Margate CRA for design and construction services for the Margate Boulevard Streetscape Improvement Project. The project replaced a 4-way stop intersection with a roundabout and included traffic analysis, roadway design, drainage design, specialized soil analysis, electrical design for specialized lights, landscaping, brick paver sidewalks and structural components of a large clock tower that was installed in the center of the roundabout. Fee \$ 3,900,00 Fee \$ 412,000		
b.	Coconut Creek Parkway Margate, FL	2016	2016
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer. CMA provided professional services to the Margate CRA for the design, permitting and construction administration of the Coconut Parkway Median Improvement Project from SR 7 to Banks Road. CMA coordinated with Broward County Traffic Engineering to determine the possibility of installing a median with turning lanes in the existing center suicide lane. Coordination was also required with Broward County Highway Construction Engineering Division, the Florida Department of Transportation, and Broward County Environmental Protection and Growth Management Division for surface water management permitting. Fee \$ 750,000 Cost \$ 59,291		
c.	Margate Aerial Crossing Margate, Florida	2014	2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Supervisor. CMA, as a subconsultant to Carollo Engineers, was contracted by the City of Margate to evaluate 17 existing water and force mains aerially crossing canals within the City of Margate service area. The main objectives of this project were to collect updated pipe data to compare with existing city records, identify infrastructure failures, and provide recommendations where repairs or replacements are necessary for each crossing. The project involved thorough documentation of each crossing and final assessment of the condition for each pipe where repairs or replacements were necessary at each crossing at all 17 aerial crossings which were summarized and presented to the City of Margate in a final report including recommended maintenance work, cost estimates and prioritization of rehabilitation activities. Fee \$24,490		
d.	Force Main Modeling and Design Margate, Florida	2015	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Project Manager. CMA, as a subconsultant to Carollo Engineers, was contracted by the City of Margate to perform modeling, design and permitting for force main improvements using the InfoWater software. The modeling is based on the previous models that CMA completed for the City and will evaluate two different options for connecting existing force mains. These connections will allow the City to direct the flow to their other wastewater treatment plant. In addition to the modeling, the project includes the design and permitting of over 2,600 LF of new force main and abandonment of over 1,000 LF of existing force main. The new force main design incorporates a directional drill under a City-owned canal. Fee \$ 100,239		
e.	West River Drive Water Main Margate, Florida	2016	2016
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Project Manager Supervisor. The City of Margate requested design services from CMA, as a subconsultant to Carollo Engineers, for the installation of approximately 3,000 LF of water main to improve the level of service in areas that experience frequent water main breaks. CMA was responsible for the design, permitting and bid services for the new water main and grout or removal of existing AC pipe. CMA also utilized a model that was created under a different task order to verify the pipe sizing within the project. Fee \$ 88,817		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Paula Fonseca, P.E.	13. ROLE IN THIS CONTRACT Utilities Lead Engineer	14. YEARS EXPERIENCE a. TOTAL 10 b. WITH CURRENT FIRM 7	
15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates – West Palm Beach, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Paula Fonseca, P.E. is a civil engineering graduate of Florida Atlantic University with over 10 years of experience. She serves as a senior engineer and project manager, and is also the primary hydraulic modeler for the firm. She performs and oversees design work using AutoCAD, GIS and InfoWater 8.1v. Ms. Fonseca has worked on various utility improvement projects for the City of Margate including water main, force main, directional drills, aerial crossings, and hydraulic modeling; neighborhood improvement projects for Broward County, utility coordination projects for Riviera Beach Utility District, including water and sewer designs and permitting, Design of GIS Utility Atlases for the City of Pompano Beach and Solid Waste Authority			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
a. (1) TITLE AND LOCATION <i>(City and State)</i> Margate Boulevard Design and Construction Services Margate, FL	PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i> 2008
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Engineer. Responsible for the construction administration, design adjustments and coordination with the client during the construction phase of this project. CMA was contracted by the City of Margate CRA for design and construction services for the Margate Boulevard Streetscape Improvement Project. The project replaced a 4-way stop intersection with a roundabout and included traffic analysis, roadway design, drainage design, specialized soil analysis, electrical design for specialized lights, landscaping, brick paver sidewalks and structural components of a large clock tower that was installed in the center of the roundabout. Fee \$ 3,900,00 Fee \$ 412,000	[X] Check if project performed with current firm	
b. (1) TITLE AND LOCATION <i>(City and State)</i> Coconut Creek Parkway Margate, FL	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> 2016
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Engineer. CMA provided professional services to the Margate CRA for the design, permitting and construction administration of the Coconut Parkway Median Improvement Project from SR 7 to Banks Road. CMA coordinated with Broward County Traffic Engineering to determine the possibility of installing a median with turning lanes in the existing center suicide lane. Coordination was also required with Broward County Highway Construction Engineering Division, the Florida Department of Transportation, and Broward County Environmental Protection and Growth Management Division for surface water management permitting. Fee \$ 750,000 Cost \$ 59,291	[X] Check if project performed with current firm	
c. (1) TITLE AND LOCATION <i>(City and State)</i> Modeling Services - Margate Margate, Florida	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> 2016
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager Supervisor. CMA, through Carollo engineers, was requested by the City of Margate to perform updates to their water and force main hydraulic models using the InfoWater software. For the water modeling, the tasks included performing water main break analysis, identifying areas with poor redundancy, assessing location of critical valves, verifying fire flows for proposed developments, and modeling proposed improvements identified by the City. For the force main model, the tasks included force main failure analysis to identify lack of system redundancy and inadequate valve placement; evaluation of proposed improvements in the system which included model calibration and analysis; a comparison of the entire system to the wastewater flow entering the plant; an inflow and infiltration analysis that utilized both the lift station run times as well as the gravity pipe condition; a feasibility analysis for utilizing alternate flow routes, including adjusting pump characteristics in the lift stations; and a feasibility analysis of force main tie ins. Fee \$ 32,315	[X] Check if project performed with current firm	
d. (1) TITLE AND LOCATION <i>(City and State)</i> C14 WM Canal Crossing Margate, Florida	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i> 2015
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Engineer. CMA, as a subconsultant to Carollo Engineers, was contracted by the City of Margate to perform the design, permitting and construction administration of water main improvements. The improvements were identified as part of a separate task order in which the water model for the City was updated. The C-14 canal crossing was proposed in order to provided redundancy to the distribution system. The improvements include a directional drill under the SFWMD C-14 canal and over 2,000 LF of water main installation to provide redundancy in the service area. Fee \$ 70,752	[X] Check if project performed with current firm	
e. (1) TITLE AND LOCATION <i>(City and State)</i> West River Drive Water Main Margate, Florida	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> 2016
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Engineer. The City of Margate requested design services from CMA, as a subconsultant to Carollo Engineers, for the installation of approximately 3,000 LF of water main to improve the level of service in areas that experience frequent water main breaks. CMA was responsible for the design, permitting and bid services for the new water main and grout or removal of existing AC pipe. CMA also utilized a model that was created under a different task order to verify the pipe sizing within the project. Fee \$ 88,817	[X] Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Jennifer Smith, P.E.	13. ROLE IN THIS CONTRACT Drainage Lead Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 12	b. WITH CURRENT FIRM 12
15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates, Fort Lauderdale, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Ms. Smith is currently serving as an assistant project manager with Chen Moore and Associates. Her 11 years of experience in the civil engineering field includes GIS and AutoCAD design work, detailed design work on the Broward County UAZ Water and Sewer Improvement Project, Stormwater Master Plan for the City of Pompano Beach and Coral Springs, Drainage Design for the City of Pompano Beach and Lauderdale by the Sea and the Design of GIS Utility Atlases. Current duties include water main, sanitary sewer and lift station design and permitting, drainage modeling, design and permitting as well as GIS modeling.			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a.	Margate Dog Park Margate, FL	2017	2017
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Supervisor. CMA is providing professional design services for the Margate Dog Park Project. CMA's scope of services includes conceptual plan development; public workshops with the homeowner's association and City commission; topographic survey; subsurface utility verification; geotechnical investigation; document research/review; civil engineering design; landscape/irrigation design; regulatory and surface water permitting; bid document preparation; bidding coordination; and bid review. Fee \$ 53,870		
b.	Coconut Creek Parkway Margate, FL	2016	2016
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Supervisor. CMA provided professional services to the Margate CRA for the design, permitting and construction administration of the Coconut Parkway Median Improvement Project from SR 7 to Banks Road. CMA coordinated with Broward County Traffic Engineering to determine the possibility of installing a median with turning lanes in the existing center suicide lane. Coordination was also required with Broward County Highway Construction Engineering Division, the Florida Department of Transportation, and Broward County Environmental Protection and Growth Management Division for surface water management permitting. Fee \$ 750,000 Cost \$ 59,291		
c.	Stormwater Master Plan Modeling and Design Implementation Ft Lauderdale, FL	Ongoing	Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Supervisor. CMA is providing engineering design services for the under-Stormwater Improvement Master Plan Modeling and Design Implementation Project under the for the City of Fort Lauderdale. CMA is responsible for the planning, modeling, design, and permitting for the proposed stormwater improvements within the Victoria Park neighborhood, which was identified as one of the 7 priority neighborhoods with the City. The proposed stormwater improvements within the Victoria Park neighborhood are estimated to be approximately \$13 million in construction costs. Fee \$ 812,799		
d.	Broward County UAZ 110/111 & 113 Water Sewer Improvements 113B Lauderdale Lakes, FL	Ongoing	Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Supervisor. The Water and Sanitary Sewer Improvements for the UAZ 110/111 & 113 Project will include the improvements to the existing water distribution system, sanitary sewer system, and transmission systems within the project area along with the restoration of surface areas disturbed for the construction of said improvements. The existing system being replaced consists of approximately 168,100LF of water mains, 122,100 LF of sanitary sewer mains and 23,600 LF force main. Fee \$ 3,544,729.24		
e.	Corporate Park Stormwater Study Coral Springs, FL	2014	2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Supervisor. CMA conducted a stormwater study of the Corporate Park on behalf of the City of Coral Springs. The Corporate Park Area has historically encountered flooding issues during and after significant rainfall events. The purpose of the stormwater study was to verify the performance of the existing stormwater system within the Corporate Park and to determine the potential stormwater improvements required for future development within the Corporate Park Area. The general purpose of this study is listed below: Analyze the performance of the existing stormwater system under the existing conditions. Identify existing problem areas where flooding is expected under the existing conditions. Analyze the performance of the existing stormwater system under future development scenarios. Identify future problem areas where flooding is expected under the future development scenarios. Recommend stormwater improvements within the Corporate Park Area under both existing conditions and future conditions. Estimate implementation costs for any recommended stormwater improvements. Develop a phasing plan for any recommended stormwater improvements. Fee \$ 35,000		

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

12. NAME Daniel Davila, P.E.	13. ROLE IN THIS CONTRACT Transportation Lead Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 19	b. WITH CURRENT FIRM 7
15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates, Fort Lauderdale, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Mr. Davila has over 18 years of civil engineering experience. His experience includes water and wastewater facilities, facilities planning, utilities master planning, infrastructure renewal, construction management and rate and financial studies. Mr. Davila has assisted numerous clients that range from municipalities, counties, federal agencies, healthcare districts, residential developers and commercial developers to educational institutions. He has been the contract manager for small projects as well as large complex projects managing millions of dollars in design fees and several subconsultants. Mr. Davila has been the contract manager for several government agencies including St. Lucie County; City of Plantation; St Lucie County School Board; Memorial Healthcare System; Village of Wellington; City of West Palm Beach; and Palm Beach County.			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a.	(1) Broward County UAZ 110/111 & 113 Water Sewer Improvements 113B Lauderdale Lakes, FL	Ongoing	Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Project manager. The Water and Sanitary Sewer Improvements for the UAZ 110/111 & 113 Project will include the improvements to the existing water distribution system, sanitary sewer system, and transmission systems within the project area along with the restoration of surface areas disturbed for the construction of said improvements. The existing system being replaced consists of approximately 168,100LF of water mains, 122,100 LF of sanitary sewer mains and 23,600 LF force main. Fee \$ 3,544,729.24		
b.	(1) Stormwater Master Plan Modeling and Design Implementation Ft Lauderdale, FL	Ongoing	Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Senior Project Manager. CMA is providing engineering design services for the under-Stormwater Improvement Master Plan Modeling and Design Implementation Project under the for the City of Fort Lauderdale. CMA is responsible for the planning, modeling, design, and permitting for the proposed stormwater improvements within the Victoria Park neighborhood, which was identified as one of the 7 priority neighborhoods with the City. The proposed stormwater improvements within the Victoria Park neighborhood are estimated to be approximately \$13 million in construction costs. Fee \$ 812,799		
c.	(1) Ft Lauderdale FM Rehab, HDD & Swageline (1-4) Fort Lauderdale, FL	2018	2018
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager Supervisor. CMA is the prime consultant for the 30" Emergency Force Main Rehabilitation project in the City of Fort Lauderdale. This innovative design-build project led by Murphy Pipeline Contractors was undertaken to provide both mainline force main replacement for aging infrastructure and to provide additional redundancy in case of future issues. The contract was divided into four (4) phases within the City of Fort Lauderdale. The nearly 20,000 linear feet of pipeline is being rehabilitated through a combination of swagelining, directional drilling, and traditional open cut installation over these four phases. CMA provided planning, design, permitting and engineering services during construction. Environmental compliance, subaqueous crossing, public involvement and maintenance of traffic in the busy Sistrunk and Himmarshee Business Districts were some of the additional project complexities. CMA also provided dewatering permitting and groundwater modeling due to contaminated sites within quarter mile of the projects. Cost \$ 14,000,000 Fee \$ 836,710		
d.	(1) Ft Lauderdale Fire Station 8 Ft Lauderdale, FL	2017	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. CMA is providing landscape architectural, site planning and civil engineering services for the design, permitting and construction inspection services for a new municipal fire station located in an industrial area of the City of Fort Lauderdale. The Fire Station will be designed to Florida Green Building Coalition standards. CMA is a subconsultant to CPZ Architecture and our role entails site design including building placement, parking layout, site circulation, storm water treatment and storage as well as landscape and irrigation design. Fee \$ 67,311		
e.	(1) BARC & SATC Civil & Landscape Dev Project Ft Lauderdale, FL	2018	2018
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. CMA, as a subconsultant to Saltz Michelson, provided professional services for the site civil and landscape architecture design for the development of the Broward Addiction Recovery Center (BARC) and the Nancy J Cotterman Center (NJCC) buildings. Services included design of water, sewer, paving and drainage; and landscape architecture elements. The project was designed to meet LEED Gold certifications. Some of the sustainable systems designed by Chen Moore included a rainwater harvesting system that utilized stormwater runoff for some of the building plumbing needs. Fee \$ 77,885.85		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Cristobal Betancourt, RLA	13. ROLE IN THIS CONTRACT Landscape Architect Lead	14. YEARS EXPERIENCE	
		a. TOTAL 23	b. WITH CURRENT FIRM 7
15. FIRM NAME AND LOCATION (City and State) Chen Moore and Associates – West Palm Beach			
16. EDUCATION (Degree and Specialization) Bachelor of Science / Landscape Architecture Master of Science / Master of Urban Design		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) FL / Registered Landscape Architect/ NJ / Registered Landscape Architect/ NY / Registered Landscape Architect	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Betancourt is Chen Moore and Associates' Director of Landscape Architecture and Planning. He has over 23 years of experience providing planning and landscape architecture design solutions for public and private sector clients. Mr. Betancourt provides a full range of services starting with due diligence and master planning culminating in detailed site design. He is well versed in the use of low-impact development techniques applied to site planning.			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	(1) Margeate Dog Park Margeate, FL	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2017
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Landscape Architect. CMA is providing professional design services for the Margeate Dog Park Project. CMA's scope of services includes conceptual plan development; public workshops with the homeowner's association and City commission; topographic survey; subsurface utility verification; geotechnical investigation; document research/review; civil engineering design; landscape/irrigation design; regulatory and surface water permitting; bid document preparation; bidding coordination; and bid review. Fee \$ 53,870		
b.	(1) Dog Park at Firefighters Park Margeate, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Landscape Architect. CMA is providing a conceptual design for a proposed dog park adjacent for the City of Margeate. The project will include various parking, drainage, hardscape, landscape, irrigation, and utility improvements to convert the existing passive park area into dual small and large dog park. The scope will include preparing a conceptual plan and attending a public workshop with the City Commission. Fee \$ 8,080		
c.	(1) Westside Park Baseball Field Deerfield Beach, FL	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable) 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. CMA provided design, permitting and construction engineering inspection services for the conversion of an existing football field and multi-purpose field into one Babe Ruth Baseball field, one Little League Baseball field, and one practice baseball field for the City of Deerfield Beach Parks and Recreation Department. The project is located in Westside Park, which is a 15-acre park located south of Hillsboro Boulevard, offering two lighted basketball courts, a football field with concession stand, two lighted tennis courts, a full-service recreation center, full size gym, picnic areas and a newly renovated playground. CMA was responsible for providing survey, geotechnical, site planning, civil engineering, landscape architecture, MEP and structural engineering services. The scope of the project included the layout of the baseball fields with supporting services such as lighting, dugouts, scoreboards and irrigation. Cost \$ 1,600,000 Fee \$ 181,565		
d.	(1) Avondale Stormwater Improvements Pompano Beach, FL	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable) 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Landscape Architect. The primary purpose of the Avondale Stormwater Improvement Project is to reduce the flooding depth and duration within the neighborhood during significant storm events. Based on our analysis of the various system improvement alternatives during the Stormwater Master Plan, the implementation of a stormwater pumping system into the SFWMD G16 Canal would be the most effective option for reducing the peak flood stage and reducing the flood duration within the Avondale Neighborhood by increasing the discharge rate via the existing outfalls when the canal levels are elevated. Stormwater improvements within the Avondale neighborhood will encounter limitations due to the regulatory requirements on the stormwater discharges via the system outfalls. Fee \$ 285,025		
e.	(1) Old Pompano Area Improvements Pompano Beach, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Landscape Architect. CMA is providing planning and design services for infrastructure improvements within the public right-of-way areas within the project limits for the Old Pompano Area for the City of Pompano Beach. The proposed infrastructure improvements within Phase 2 in the Old Pompano Area will include roadway, streetscape, landscape, irrigation, lighting and utility infrastructure improvements. Each public roadway in the Phase 2 of the Old Pompano Area will receive improvements to the existing roadways, pedestrian sidewalks, stormwater drainage, pavement markings, signage, landscaping, irrigation and lighting along with various utility improvements to the water, sewer and reclaimed water systems. Fee \$ 484,050		

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 1
21. TITLE AND LOCATION <i>(City and State)</i> City Hall Parking Lot Margate, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(If applicable)</i> 2013

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Margate	b. POINT OF CONTACT NAME Sam May	c. POINT OF CONTACT TELEPHONE NUMBER 954.972.8126
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The City of Margate retained Chen Moore and Associates to prepare bid documents for the asphalt resurfacing of the City Hall Parking Lot, which is located at 5790 Margate Boulevard. The existing asphalt parking lot, which located on the south side of the City Hall, was in need of resurfacing based on the current conditions. The City needed to install an asphalt overlay over the existing surface within parking and driveway areas. The City preferred the use of polymer modified asphalt (PMA) to reduce possibility of reflective cracking within the overlay layer in the future. The proposed work also included the placement of new pavement markings and the re-installation of existing signage with new mounting hardware. CMA was responsible for providing professional services necessary to prepare the bidding documents. Fee: \$6,000



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Prime – Civil Engineering
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 2
21. TITLE AND LOCATION <i>(City and State)</i> Holiday Springs Blvd Irrigation Margate, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Margate	b. POINT OF CONTACT NAME Michael Jones	c. POINT OF CONTACT TELEPHONE NUMBER 954.972.6458
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Chen Moore and Associates prepared drawings and specifications for the design and permitting of an irrigation system along Holiday Springs Boulevard. The system was installed between Pinewalk Drive South and NW 31st Street to irrigate existing landscape plantings including trees, palms, and shrub material. The work was provided to the Margate Parks and Recreation Department who maintains all planted medians throughout the city.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Prime – Landscape Architecture
a.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

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

*(Present as many projects as requested by the agency, or 10 projects, If not specified.
Complete one Section F for each project.)*

20. EXAMPLE PROJECT
KEY NUMBER

3

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

Margate Boulevard Pavement Markings
Margate, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2014

CONSTRUCTION *(If applicable)*
N/A

23. PROJECT OWNER'S INFORMATION

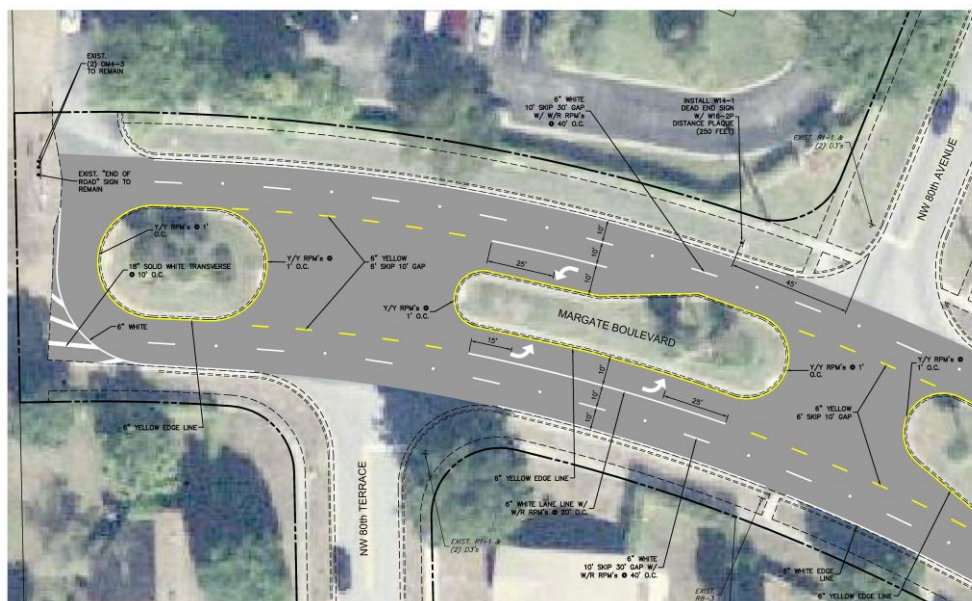
a. PROJECT OWNER
City of Margate

b. POINT OF CONTACT NAME
Sam May

c. POINT OF CONTACT TELEPHONE NUMBER
954.972.8126

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

The City of Margate retained Chen Moore and Associates to prepare design plans for new pavement markings and signage at the western end of Margate Boulevard near NW 80th Terrace. The project limits included Margate Boulevard between NW 80th Avenue and the western street end at the existing drainage canal. The purpose of the proposed pavement markings and signage was to enhance the safety for vehicular traffic approaching the street end. The City intended to implement new pavement markings and signage within the project to restrict the flow of vehicular traffic at the western street end along with providing additional warning to vehicle traffic to the upcoming street end at the drainage canal. CMA was responsible for providing professional services necessary to prepare design plans and obtain approval from Broward County Traffic Engineering. Fee: \$4,000



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Prime – Civil Engineering
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

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

(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

4

21. TITLE AND LOCATION (City and State)

Margate Dog Park
Margate, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2017

CONSTRUCTION (If applicable)
2017

23. PROJECT OWNER'S INFORMATION

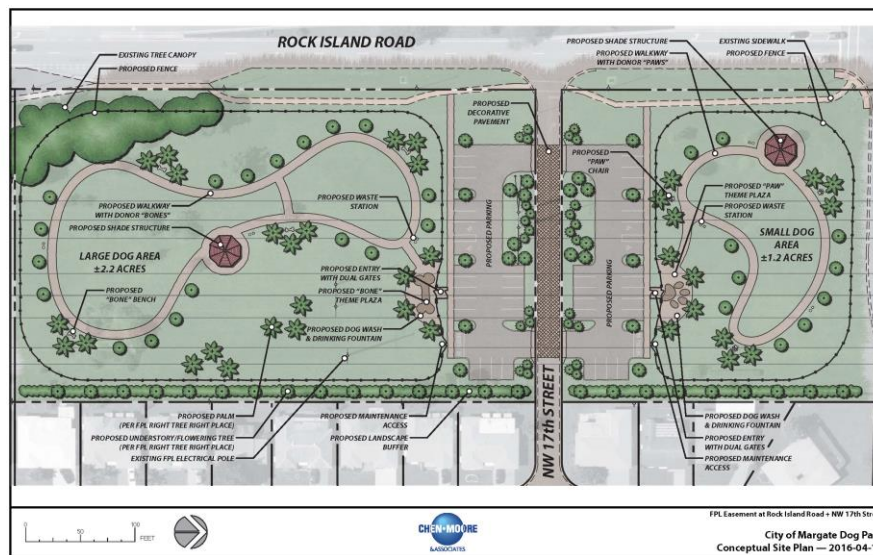
a. PROJECT OWNER
City of Margate

b. POINT OF CONTACT NAME
Michael Jones

c. POINT OF CONTACT TELEPHONE NUMBER
954.972.6458

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

CMA is providing professional design services for the Margate Dog Park Project. The proposed dog park site is located along the east side of Rock Island Road south of NW 18th Street within the existing FPL Easement, which is approximately 300 wide. The proposed elements to be incorporated into the proposed Margate Dog Park include: shade structures/shelters; on-site paved parking lots; concrete walkways; brick paver donor memorial area for fundraising; perimeter fencing with double lock gate system; site furnishing (benches, trash/recycle bins, drinking fountains, dog wash stations, waste bag stations); landscaping/irrigation improvements; stormwater improvements; and water service connections. CMA's scope of services includes conceptual plan development; public workshops with the homeowners association and City commission; topographic survey; subsurface utility verification; geotechnical investigation; document research/review; civil engineering design; landscape/irrigation design; regulatory and surface water permitting; bid document preparation; bidding coordination; and bid review. Fee: \$53,870



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION (City and State) Fort Lauderdale, FL	(3) ROLE Prime - Civil Engineering and Landscape Architecture
b.	(1) FIRM NAME Stoner and Associates, Inc.	(2) FIRM LOCATION (City and State) Davie, FL	(3) ROLE Subconsultant - Surveying
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

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

(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

5

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

Dog Park at Firefighters Park
Margate, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES
ongoing

CONSTRUCTION *(If applicable)*
N/A

23. PROJECT OWNER'S INFORMATION

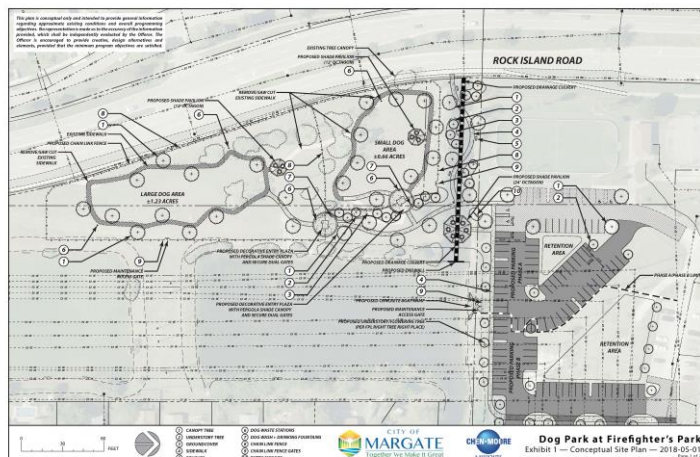
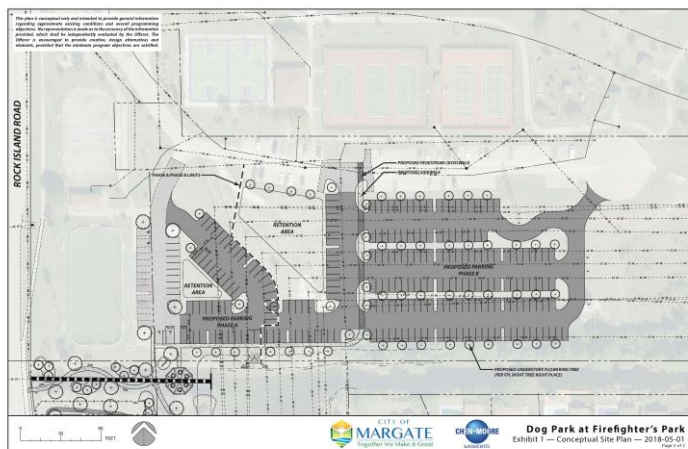
a. PROJECT OWNER
City of Margate

b. POINT OF CONTACT NAME
Michael Jones

c. POINT OF CONTACT TELEPHONE NUMBER
954.972.6458

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

CMA is providing a conceptual design for a proposed dog park adjacent for the City of Margate. The project will include various parking, drainage, hardscape, landscape, irrigation, and utility improvements to convert the existing passive park area into dual small and large dog park. The scope will include preparing a conceptual plan and attending a public workshop with the City Commission. Fee: \$8,080



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Prime – Civil Engineering and Landscape Architecture
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 6
21. TITLE AND LOCATION <i>(City and State)</i> Banks Road Landscape Medians Margate, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES ongoing	CONSTRUCTION <i>(If applicable)</i> ongoing

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Margate	b. POINT OF CONTACT NAME Michael Jones	c. POINT OF CONTACT TELEPHONE NUMBER 954.972.6458
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Chen Moore and Associates is developing a landscape design for Banks Road in the City of Margate. The Project limits include all of the medians from W. Atlantic Boulevard to NW 17th Street. The work is being performed for the Parks and Recreation Department. Our work includes the preparation of Vegetation Disposition, Landscape and Irrigation plans and specifications for design, permitting, bidding, and construction administration of the Project. Fee: \$16,280

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Prime – Landscape Architecture
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 7
21. TITLE AND LOCATION (City and State) Margate Boulevard Design and Construction Services Margate, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i> 2008

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Margate Community Redevelopment Agency	b. POINT OF CONTACT NAME Kim Vazquez	c. POINT OF CONTACT TELEPHONE NUMBER 954.935.5324
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*



Margate Blvd # 1 Site Investigation and Base Drawings. Margate Boulevard Phase 1 included all background research, geo-technical study, intersection study and preliminary base drawings for Margate Blvd from SR7 to E River Drive. This information was necessary to provide the CRA with an analysis of roadway conditions, the necessity for replacing the road and providing a cost estimate for construction. Fee: \$27,940

Margate Blvd Task 1A. Margate CRA asked Chen Moore and Associates to perform a roundabout study for 58th St Intersection and perform 30% design and presentation for streetscaping to possibly include reduction to a one lane downtown cross-section. Kittelson & Associates was contracted for the Intersection Study. Graphical visualization techniques were used to produce a life like depiction of the appearance of the future roundabout and streetscape improvements. These graphics were used extensively by the CRA to promote the roundabout and educate the residents about the upcoming project. Fee: \$24,920

Margate Boulevard Design and Construction Services. Chen Moore and Associates was contracted by the City of Margate CRA for design and construction services for the Margate Boulevard Streetscape Improvement Project. The project replaced a 4-way stop intersection with a roundabout and included traffic analysis, roadway design, drainage design, specialized soil analysis, electrical design for specialized lights, landscaping, brick paver sidewalks and structural components of a large clock tower that was installed in the center of the roundabout.

The addition of the roadway and pedestrian scale lighting was extensive. In addition to providing FDOT standard roadway lighting, the decorative fixtures met the aesthetic and safety needs of the CRA. The lighting was designed with a variety of step-down transformers for the underground electrical and low voltage landscape lighting, in the end involving three separate service points coordinated with FPL.

During construction, the CRA also contracted Chen Moore and Associates to perform the design, permitting and construction administration for streetscape of a road adjacent to the project area. The survey, design and permitting were completed in less than 3 months to allow the CRA to retain the same contractor for the project construction. Cost: \$3.9 million; Fee: \$412,000

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Prime – Civil Engineering
b.	(1) FIRM NAME C&W Engineering	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Subconsultant – Electrical Engineering
c.	(1) FIRM NAME Nutting Engineers of Florida, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Boynton Beach, FL	(3) ROLE Subconsultant – Geotechnical Engineering
d.	(1) FIRM NAME Stoner and Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Davie, FL	(3) ROLE Subconsultant - Surveying
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 8
21. TITLE AND LOCATION (City and State) Coconut Creek Parkway Margate, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> 2016

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Margate Community Redevelopment Agency	b. POINT OF CONTACT NAME Reddy Chitepu	c. POINT OF CONTACT TELEPHONE NUMBER 954.972.0828
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*



Coconut Creek Parkway Median Improvement. Chen Moore and Associates provided professional services to the Margate CRA to coordinate survey and set up base drawings of Coconut Creek Parkway between SR7 and Banks Rd. The project coordinated with Broward County Traffic Engineering to determine the possibility of installing a median with turning lanes in the existing center suicide lane. The project was postponed to coordinate with the City of Coconut Creek. Fee: \$15,700

Coconut Creek Parkway. Chen Moore and Associates provided professional services to the Margate CRA for the design, permitting and construction administration of the Coconut Parkway Median Improvement Project from SR 7 to Banks Road. Chen Moore and Associates coordinated with Broward County Traffic Engineering to determine the possibility of installing a median with turning lanes in the existing center suicide lane. Coordination was also required with Broward County Highway Construction Engineering Division, the Florida Department of Transportation, and Broward County Environmental Protection and Growth Management Division for surface water management permitting. The project was coordinated with simultaneous improvements by the City of Coconut Creek.

The design incorporated 'Green' elements which were used to reduce the amount of water needed to irrigate. The wide median sections slope inward creating large swales and the brick pavers on the narrow median have inverted crowns which slope and divert runoff towards the grassy medians. This reduces the amount of runoff storage needed in the side street swales, reducing project costs. Cost: \$750,000; Fee: \$59,291

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Prime – Civil Engineering
b.	(1) FIRM NAME Stoner and Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Davie, FL	(3) ROLE Subconsultant - Surveying
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 9
21. TITLE AND LOCATION <i>(City and State)</i> C14 WM Canal Crossing Margate, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i> 2015

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Carollo Engineers	b. POINT OF CONTACT NAME Thomas Gillogly	c. POINT OF CONTACT TELEPHONE NUMBER 954.837.0030
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

CMA, as a subconsultant to Carollo Engineers, was contracted by the City of Margate to perform the design, permitting and construction administration of water main improvements. The improvements were identified as part of a separate task order in which the water model for the City was updated. The C-14 canal crossing was proposed in order to provide redundancy to the distribution system. The improvements include a directional drill under the SFWMD C-14 canal and over 2,000 LF of water main installation to provide redundancy in the service area. Permitting coordination is required with both SFWMD and the ACOE for special approvals. Fee: \$70,752



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Subconsultant – Civil Engineering
b.	(1) FIRM NAME Nutting Engineers of Florida Inc.	(2) FIRM LOCATION <i>(City and State)</i> Boynton Beach, FL	(3) ROLE Subconsultant – Geotechnical Engineering
c.	(1) FIRM NAME Stoner and Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Davie, FL	(3) ROLE Subconsultant - Surveying
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

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

(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

10

21. TITLE AND LOCATION (City and State)

C14 WM CEI
Margate, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2016

CONSTRUCTION (If applicable)
2016

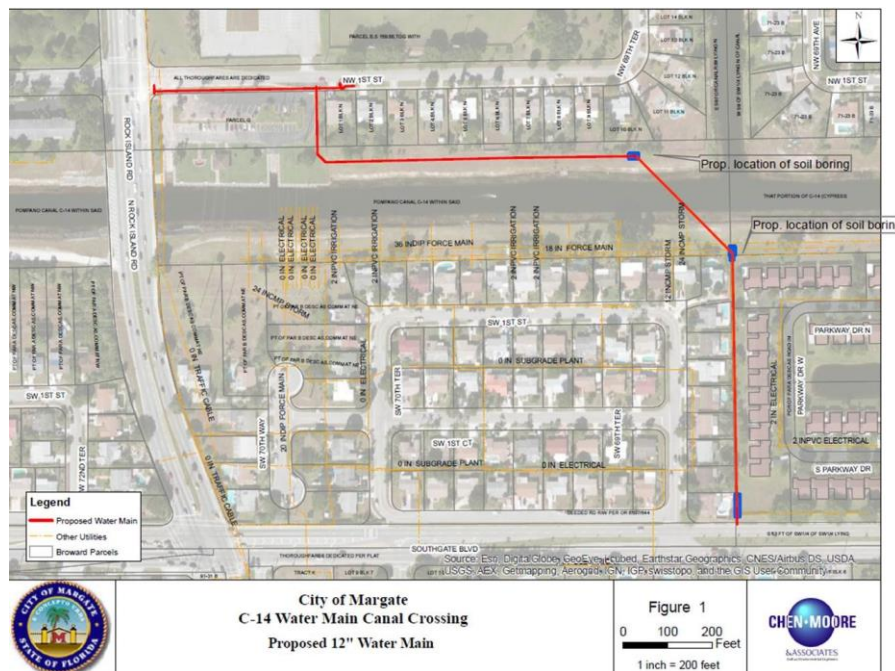
23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER
Carollo Engineers

b. POINT OF CONTACT NAME
Thomas Gillogly

c. POINT OF CONTACT TELEPHONE NUMBER
954.837.0030

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



C14 WM CEI. CMA, as a subconsultant to Carollo Engineers, was contracted by the City of Margate to perform the design, permitting and construction administration of water main improvements. The improvements were identified as part of a separate task order in which the water model for the City was updated. The C-14 canal crossing was proposed in order to provided redundancy to the distribution system. The improvements include a directional drill under the SFWMD C-14 canal and over 2,000 LF of water main installation to provide redundancy in the service area. Permitting coordination is required with both SFWMD and the ACOE for special approvals. Fee: \$48,742

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION (City and State) Fort Lauderdale, FL	(3) ROLE Subconsultant – Construction Engineering Inspection
b.	(1) FIRM NAME Nutting Engineers of Florida Inc.	(2) FIRM LOCATION (City and State) Boynton Beach, FL	(3) ROLE Subconsultant – Geotechnical Engineering
c.	(1) FIRM NAME Stoner and Associates, Inc.	(2) FIRM LOCATION (City and State) Davie, FL	(3) ROLE Subconsultant - Surveying
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

[illegible]

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT <i>(From Section F)</i>	NO.	TITLE OF EXAMPLE PROJECT <i>(From Section F)</i>
1	City Hall Parking Lot	6	Banks Road Landscape Medians
2	Holiday Springs Blvd Irrigation	7	Margate Boulevard Design and Construction Services
3	Margate Boulevard Pavement Markings	8	Coconut Creek Parkway
4	Margate Dog Park	9	C14 WM Canal Crossing
5	Dog Park at Firefighters Park	10	C14 WM CEI

H. ADDITIONAL INFORMATION

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

Chen Moore and Associates (CMA) is a multi-discipline consulting firm with offices in Fort Lauderdale, Miami, West Palm Beach, Orlando and North Central Florida.

Founded in 1986, Chen Moore and Associates specializes in civil engineering, water resources, water and sewer, transportation, landscape architecture, planning and irrigation, environmental and construction engineering inspection. The firm commits to providing responsive quality services while meeting the schedules and specific project needs of our clients.

CMA actively supports various community organizations including Habitat for Humanity, Toys for Tots, the Cooperative Feeding Program, and Ocean Watch, a non-profit group focused on cleaning and preserving South Florida's Beaches. Firm staff participates in local professional society events including the American Society of Civil Engineers, Florida Engineering Society, American Society of Landscape Architects, Irrigation Association, Florida Recreation and Park Association, International Society of Arboriculture and the United States Green Building Council. We proudly support our industry and the communities in which we live, play and work.

Our services include the following:

- Infrastructure Master Planning
- Pump Station Design and Rehabilitation
- Water Supply, Treatment and Distribution Design
- Stormwater Management System Design and Master Plans
- Environmental Engineering
- Roadway Design and Streetscape
- Traffic Calming Design
- Circulation & Roundabout Design
- Government Permitting
- Land Development
- Site Development
- Site Planning
- Landscape Architecture
- Hardscape Design
- Irrigation Design
- Park Design
- Greenway & Trails Design
- Pedestrian & Bicycle Pathway Design
- Habitat Restoration
- Wayfinding
- GIS Analysis and Mapping
- Project and Program Management
- Sustainable Design and LEED Solutions
- Value Engineering
- Utility Rate and Infrastructure Valuation Studies
- Resident Coordination and Stakeholder Meetings



I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE

A handwritten signature in blue ink, likely belonging to Peter Moore.

33. NAME AND TITLE

Peter Moore, P.E., F.ASCE, ENV SP, LEED AP, President

32. DATE

10/3/2018

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (IF ANY)

2018-012

PART II –GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME Chen Moore and Associates, Inc.			3. YEAR ESTABLISHED 1986	4. DUNS NUMBER 859459547
2b. STREET 500 W. Cypress Creek Rd., Suite 630			5. OWNERSHIP	
2c. CITY Fort Lauderdale			a. TYPE Corporation	
2d. STATE FL		2e. ZIP CODE 33309	b. SMALL BUSINESS STATUS N/A	
6a. POINT OF CONTACT NAME AND TITLE Peter Moore, PE, LEED AP, F.ASCE, President and CEO			7. NAME OF FIRM (If block 2a is a branch office)	
6b. TELEPHONE NUMBER (954) 730-0707, ext 1002	6c. E-MAIL ADDRESS pmoore@chenmoore.com			
8a. FORMER FIRM NAME(S) (if any) Chen and Associates Consulting Engineers, Inc.			8b. YEAR ESTABLISHED 1986	8c. DUNS NUMBER 859459547

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 No. (see below)
		(1) Firm	(2) Branch			
02	Administrative	10	8	C10	Commercial Building; (low rise); Shopping Centers	1
08	CADD Technician	9	5	C15	Construction Management	1
12	Civil Engineer	33	10	C18	Cost Estimating; Cost Engineering and Analysis; Parametric Costing; Forecasting	2
15	Construction Inspector	4	2	E02	Education Facilities; Classrooms	2
16	Construction Manager	1	0	E09	Environmental Impact Studies, Assessments or Statements	1
39	Landscape Architect	8	0	G04	GIS development, analysis, data	2
				H07	Highways; Streets; Airfield; Parking	2
				L03	Landscape Architecture	1
				P05	Planning (Community, Regional)	2
				P06	Planning (Site, Installation)	2
				P13	Public Safety Facilities	2
				R04	Recreation Facilities (Parks, etc.)	2
				R06	Rehab. (Buildings, Structures)	3
				R11	Rivers Canals; Waterways; Flood Control	1
				S04	Sewage Collection & Treatment	4
				S11	Sustainable Design	1
				S13	Stormwater Handling & Facilities	4
				T02	Testing & Inspection Services	4
				T03	Traffic & Transportation	2
				V01	Value Analysis; Life-Cycle Costing	1
				W03	Water Supply, Treatment, Distrib.	4
Total		65	27			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES

REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

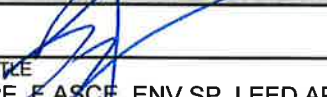
a. Federal Work	1
b. Non-Federal Work	7
c. Total Work	7

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE 10/3/2018
c. NAME AND TITLE Peter Moore, PE, F.ASCE, ENV SP, LEED AP, President	

AUTHORIZED FOR LOCAL REPRODUCTION

MANDATORY USE DATE OF FORM 6/2004

STANDARD FORM 330 (1/2004) PAGE 6

C & W Engineering



E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Dale G. Walker, P.E.	13. ROLE IN THIS CONTRACT Electrical Engineer	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. TOTAL</td> <td>b. WITH CURRENT FIRM</td> </tr> <tr> <td>36</td> <td>26</td> </tr> </table>		a. TOTAL	b. WITH CURRENT FIRM	36	26
a. TOTAL	b. WITH CURRENT FIRM						
36	26						
15. FIRM NAME AND LOCATION (City and State) C&W Engineering, West Palm Beach, FL							
16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science Electrical Engineering (BSEE)		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer-Florida 36914					
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Florida Engineering Society (FES) Florida Institute of Consulting Engineers (FICE) Institute of Electrical and Electronics Engineers (IEEE)							

Mr. Walker has over 25 years of proven experience providing electrical and I&C consulting engineering, design and inspection services for industrial municipal projects. Mr. Walker has provided instrumentation and control systems, computer systems and SCADA system designs for numerous projects in South Florida. His “hands on” approach to engineering solutions has provided him with the depth of experiences to meet new challenges. Mr. Walker also possesses proven design experience in power system analysis, power system, design and power equipment installation designs. His engineering, design and production of contract documents for water, waste water and industrial projects are considered the most valued experiences.

a	(1) TITLE AND LOCATION (City and State) City of Lantana, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>2003-2005</td> <td>2005</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2003-2005	2005
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
2003-2005	2005						
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE WTP Rehabilitation							
b	(1) TITLE AND LOCATION (City and State) Village of Palm Springs, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>2003-2007</td> <td>2006-2007</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2003-2007	2006-2007
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
2003-2007	2006-2007						
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Rehabilitation project at the Main WTP and the RL Pratt WTP							
c	(1) TITLE AND LOCATION (City and State) City of Coral Springs, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>2004-2005</td> <td>2006-2007</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2004-2005	2006-2007
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
2004-2005	2006-2007						
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Filter Rehabilitation							
d	(1) TITLE AND LOCATION (City and State) City of Coral Springs, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>2011-2012</td> <td>2012-2013</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2011-2012	2012-2013
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
2011-2012	2012-2013						
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE SCADA System							

e.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	Martin County, FL	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2004-2009	2006-2009
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input type="checkbox"/> <input checked="" type="checkbox"/> Check if project performed with current firm	
Martin County Utilities, Tropical Farms R/O Expansion			

RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Jose Reyes	Design and Engineering Services	29	20

15. FIRM NAME AND LOCATION (City and State)

C&W Engineering, West Palm Beach, FL

16. EDUCATION (DEGREE AND SPECIALIZATION)

Bachelor of Science Electrical Engineering (BSEE)

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

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

Mr. Reyes has over 20 years of proven experience providing electrical consulting engineering, design and inspection services for industrial municipal projects in water, waste water, storm water, lighting and telecommunications projects.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	City of North Lauderdale, FL	2009-2012	2010-2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Accelerator and Filter Rehabilitation work	<input checked="" type="checkbox"/> Check if project performed with current firm .	
b.	City of Ft. Pierce, FL	2011-2012	2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Accelerator Treatment Unit 1	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	City of Coral Springs, FL	2005-2006	2006
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE WTP Lime Slaker Rehabilitation	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	Martin County, FL	2003-2006	2004-2006
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Tropical Farms WTP Chemical System and Instrumentation Improvements	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	Seacoast Utility, Palm Beach Gardens, FL WTP	2006	2007
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Burma Road Well Systems, Elevated Tank Power and I&C \$300,000.00	<input checked="" type="checkbox"/> Check if project performed with current firm	

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		<small>20. EXAMPLE PROJECT KEY NUMBER</small> <div style="font-size: 24pt; margin: 10px 0;">1</div>		
21. TITLE AND LOCATION <i>(City and State)</i> City of North Lauderdale, FL		22. YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">PROFESSIONAL SERVICES 2010-2012</td> <td style="padding: 5px;">CONSTRUCTION <i>(If applicable)</i></td> </tr> </table>	PROFESSIONAL SERVICES 2010-2012	CONSTRUCTION <i>(If applicable)</i>
PROFESSIONAL SERVICES 2010-2012	CONSTRUCTION <i>(If applicable)</i>			
23. PROJECT OWNER'S INFORMATION				
a. PROJECT NAME WTP Acceleator and Filter Rehab	c. POINT OF CONTACT NAME Michael Shields, PE	c. POINT OF CONTACT TELEPHONE NUMBER (954) 722-0900		
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost.)</i> C&W Engineering performed electrical and instrumentation design and construction services for this project. It included new electrical building, with new switchgear and MCC, and VFD equipment, new control panels, new filter controls, including PLC control and motorized actuators, new chemical systems, and a new Plant wide PLC system and SCADA system. Project				
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT				
a.	(1) FIRM NAME Chen and Associates	(2) FIRM LOCATION <i>(City and State)</i> Ft. Lauderdale, FL	(3) ROLE Prime	
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE	
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE	
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE	
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE	
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE	

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)	<small>20. EXAMPLE PROJECT KEY NUMBER</small> <div style="font-size: 24pt; margin: 10px 0;">2</div>
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21. TITLE AND LOCATION <i>(City and State)</i> Martin County, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2003-2006	CONSTRUCTION <i>(If applicable)</i> 2004-2006

23. PROJECT OWNER'S INFORMATION		
a. PROJECT NAME Tropical Farms WTP	c. POINT OF CONTACT NAME Ted Robbins, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER (772) 221-1442

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost.)</i> Tropical Farms WTP included new membrane trains, new chemical system, post treatment, chlorination, high service pumps, well, telemetry, SCADA and computer systems, plant wide PLC systems, new switchgear and generator system, new MCC and VFD equipment. \$5,000,000.00
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25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Kimley-Horn & Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)	<small>20. EXAMPLE PROJECT KEY NUMBER</small> <div>3</div>
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21. TITLE AND LOCATION <i>(City and State)</i> City of Ft. Pierce, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011-2012	CONSTRUCTION <i>(If applicable)</i> 2012

23. PROJECT OWNER'S INFORMATION		
a. PROJECT NAME Aceletor Treatment Unit 1	c. POINT OF CONTACT NAME Keith Stephens	c. POINT OF CONTACT TELEPHONE NUMBER (772)216-0071

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

Design build project that includes a new VFD drive unit, scrapper motor, new duplex sludge blow-down pumping and control system. PLC and SCADA I/O of aceletor equipment. Project was starter in 2011, and it will be completed by summer of 2012.

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

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		<small>20. EXAMPLE PROJECT KEY NUMBER</small> <div style="font-size: 24pt; margin-top: 10px;">4</div>		
21. TITLE AND LOCATION <i>(City and State)</i> City of Lantana		22. YEAR COMPLETED <table style="width: 100%; border: none;"> <tr> <td style="border: none; width: 50%; text-align: center;"> PROFESSIONAL SERVICES 2003-2004 </td> <td style="border: none; width: 50%; text-align: center;"> CONSTRUCTION <i>(If applicable)</i> 2005 </td> </tr> </table>	PROFESSIONAL SERVICES 2003-2004	CONSTRUCTION <i>(If applicable)</i> 2005
PROFESSIONAL SERVICES 2003-2004	CONSTRUCTION <i>(If applicable)</i> 2005			
23. PROJECT OWNER'S INFORMATION				
a. PROJECT NAME WTP Filter Rehabilitation	c. POINT OF CONTACT NAME Jerry Dahr	c. POINT OF CONTACT TELEPHONE NUMBER (561) 540-5778		
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost.)</i> Project included the design of new controls for the rehabilitated filter system. The equipment designed and installed was new VFDs, PLC control panels, motor actuators and corresponding SCADA controls. \$1,500,000				
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT				
a.	(1) FIRM NAME Mathews Consulting	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Prime	
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE	
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE	
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE	
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE	
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE	

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)	20. EXAMPLE PROJECT KEY NUMBER 5
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21. TITLE AND LOCATION <i>(City and State)</i> Village of Palm Springs, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2003-2007	CONSTRUCTION <i>(If applicable)</i> 2006-2007

23. PROJECT OWNER'S INFORMATION		
a. PROJECT NAME Filter Rehabilitation at the Main WTP and the RL Pratt WTP.	c. POINT OF CONTACT NAME Donny Ray	c. POINT OF CONTACT TELEPHONE NUMBER (561)-965-5770

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost.)</i> Project included new high service pump VFDs and related control. The design and installation of a new MIEX resin process system. At the RL Pratt plant the existing filter system was rehabilitated with new motorized actuators and controls. \$4,000,000

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Eckler Engineering	(2) FIRM LOCATION <i>(City and State)</i> Coral Springs, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		<small>20. EXAMPLE PROJECT KEY NUMBER</small> <div style="font-size: 24pt; margin-top: 10px;">6</div>		
21. TITLE AND LOCATION <i>(City and State)</i> Coral Springs, FL		22. YEAR COMPLETED <table style="width: 100%; border: none;"> <tr> <td style="border: none; text-align: center; padding: 5px;"> PROFESSIONAL SERVICES 2005 </td> <td style="border: none; text-align: center; padding: 5px;"> CONSTRUCTION <i>(If applicable)</i> 2006 </td> </tr> </table>	PROFESSIONAL SERVICES 2005	CONSTRUCTION <i>(If applicable)</i> 2006
PROFESSIONAL SERVICES 2005	CONSTRUCTION <i>(If applicable)</i> 2006			
23. PROJECT OWNER'S INFORMATION				
a. PROJECT NAME WTP Lime Slaker Replacement	c. POINT OF CONTACT NAME David Moore, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER (954) 345-2195		
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost.)</i> Replacement of lime system including silos, slakers, VFD.s, PLC control system \$500,000.00				
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT				
a.	(1) FIRM NAME Eckler Engineering	(2) FIRM LOCATION <i>(City and State)</i> Coral Springs, FL	(3) ROLE Prime	
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE	
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE	
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE	
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE	
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE	

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)	20. EXAMPLE PROJECT KEY NUMBER 7
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21. TITLE AND LOCATION <i>(City and State)</i> City of Coral Springs, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2004-2005	CONSTRUCTION <i>(If applicable)</i> 2006-2007

23. PROJECT OWNER'S INFORMATION		
a. PROJECT NAME WTP Filter Rehabilitation	c. POINT OF CONTACT NAME David Moore, PE	c. POINT OF CONTACT TELEPHONE NUMBER (954)-345-2195

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost.)</i> Project included the automation of the existing filters with new PLC controls and actuators. \$800,000
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25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Eckler Engineering	(2) FIRM LOCATION <i>(City and State)</i> Coral Springs, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)	<small>20. EXAMPLE PROJECT KEY NUMBER</small> 8
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21. TITLE AND LOCATION <i>(City and State)</i> City of Coral Springs, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011-2012	CONSTRUCTION <i>(If applicable)</i> 2012-2013

23. PROJECT OWNER'S INFORMATION		
a. PROJECT NAME SCADA System	c. POINT OF CONTACT NAME David Moore, PE	c. POINT OF CONTACT TELEPHONE NUMBER (954)-345-2195

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost.)</i> Project includes new high service pumps, new Fiber Optic system for the plant, new PLC control systems, SCADA upgrades, new remote wells radio system. This project is to go bid in 2012. \$6,000,000.
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25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Eckler Engineering	(2) FIRM LOCATION <i>(City and State)</i> Coral Springs, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)	20. EXAMPLE PROJECT KEY NUMBER <div>9</div>
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21. TITLE AND LOCATION <i>(City and State)</i> Martin County, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2004-2009	CONSTRUCTION <i>(If applicable)</i> 2006-2009

23. PROJECT OWNER'S INFORMATION		
a. PROJECT NAME MCU Tropical Farms R/O Expansion	c. POINT OF CONTACT NAME Ted Robbins	c. POINT OF CONTACT TELEPHONE NUMBER (772)-221-1442

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost.)*
 Project included the design of a new Reverse Osmosis building with new main, switchgear equipment, MCC equipment, VFDs, PLC systems, SCADA system, odor control system. \$5,000,000

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Kimley Horn	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		<small>20. EXAMPLE PROJECT KEY NUMBER</small> <div style="font-size: 1.5em;">10</div>		
21. TITLE AND LOCATION <i>(City and State)</i> Lake Worth, FL		22. YEAR COMPLETED <table style="width: 100%; border: none;"> <tr> <td style="border: none; text-align: center; width: 50%;"> PROFESSIONAL SERVICES 2008-2012 </td> <td style="border: none; text-align: center; width: 50%;"> CONSTRUCTION <i>(If applicable)</i> 2010-2012 </td> </tr> </table>	PROFESSIONAL SERVICES 2008-2012	CONSTRUCTION <i>(If applicable)</i> 2010-2012
PROFESSIONAL SERVICES 2008-2012	CONSTRUCTION <i>(If applicable)</i> 2010-2012			
23. PROJECT OWNER'S INFORMATION				
a. PROJECT NAME Lake Worth Reverse Osmosis Improvements WTP	c. POINT OF CONTACT NAME Walt Smyser	c. POINT OF CONTACT TELEPHONE NUMBER (561)-586-1710		
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost.)</i> Project included new electrical buildings, new electrical main, switchgear, VFDs and MCC equipment for a new 4.5MGD RO process plant. New Transfer switch and generator, three RO tranes and multiple PLC and local control panels and field instrumentation. New Odor Control system, Chemical systems. New PLC control panels, Fiber Optic systems. New deep injection well. Upgraded existing SCADA system. \$25,000,000				
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT				
a.	(1) FIRM NAME Mock Roos	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Prime	
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE	
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE	
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE	
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE	
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE	

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

[illegible]

29. EXAMPLE PROJECT KEY

No.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	No.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1.	N. Lauderdale WTP Aceceltor and Filter Rehab	6.	Coral Springs Lime System Replacement
2.	Tropical Farms WTP	7.	Coral Springs WTP Filter Rehabilitation
3.	Ft. Pierce Aceceltor Treatment Unit 1	8.	Coral Springs SCADA System
4.	Lantana WTP Filter Rehabilitation	9.	MCU Tropical Farms R/O Expansion
5.	Palm Springs Filter Rehab and RL Pratt WTP	10.	Lake Worth RO Expansion WTP

H. ADDITIONAL INFORMATION

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

I. AUTHORIZED REPRESENTATIVE
The foregoing is a statement of facts.**31. SIGNATURE****32. DATE**

October 4, 2018

33. NAME AND TITLE

Dale G. Walker, P.E., President

1. SOLICITATION NUMBER (If any)

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

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MUEngineers



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

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
15. FIRM NAME AND LOCATION <i>(City and State)</i>			
16. EDUCATION <i>(Degree and Specialization)</i>		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	

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

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
15. FIRM NAME AND LOCATION <i>(City and State)</i>			
16. EDUCATION <i>(Degree and Specialization)</i>		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER		
21. TITLE AND LOCATION <i>(City and State)</i>	22. YEAR COMPLETED <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">PROFESSIONAL SERVICES</td> <td style="width: 50%; border: none;">CONSTRUCTION <i>(If applicable)</i></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>			
23. PROJECT OWNER'S INFORMATION				
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER		
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>				

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

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER		
21. TITLE AND LOCATION <i>(City and State)</i>	22. YEAR COMPLETED <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">PROFESSIONAL SERVICES</td> <td style="width: 50%; border: none;">CONSTRUCTION <i>(If applicable)</i></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>			
23. PROJECT OWNER'S INFORMATION				
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER		
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>				

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

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER		
21. TITLE AND LOCATION <i>(City and State)</i>	22. YEAR COMPLETED <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">PROFESSIONAL SERVICES</td> <td style="width: 50%; border: none;">CONSTRUCTION <i>(If applicable)</i></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>			
23. PROJECT OWNER'S INFORMATION				
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER		
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>				

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>				

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25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
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21. TITLE AND LOCATION <i>(City and State)</i>	22. YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">PROFESSIONAL SERVICES</td> <td style="width: 50%; padding: 2px;">CONSTRUCTION <i>(If applicable)</i></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
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f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

[illegible]

29. EXAMPLE PROJECTS KEY

NUMBER	TITLE OF EXAMPLE PROJECT <i>(From Section F)</i>	NUMBER	TITLE OF EXAMPLE PROJECT <i>(From Section F)</i>
1		6	
2		7	
3		8	
4		9	
5		10	

H. ADDITIONAL INFORMATION

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

As structural engineers we not only provide the backbone and strength of quality designs, but we help bring vision to reality. At MUEngineers, Inc., we practice innovation as a problem-solving tool and think outside of the box. We look beyond the obvious to obtain the approach best suited to each project. By using the latest advances in technology, our expertise and engineering tools, we deliver solutions for projects of all types, sizes and levels of complexity.

MUEngineers, Inc. is a full service, dynamic structural engineering and inspection firm. We have a sound understanding of all types of building processes and provide services for commercial, industrial, legal, and residential clients for any type and size of project. Whether we are designing a one floor, an eight floor or a thirty-floor building, it is important for us to select the structural system which best suits the project, while keeping in mind the project budget, constructability, and local construction techniques and methods.

Our integrated approach to engineering is process driven, utilizing an open office and collaborative design environment to provide a well-coordinated design within the shortest possible timeline. We are committed to creating the best solutions for every project, while maintaining client satisfaction. This approach has accounted for over 90% of our work stemming from either "repeat" or "referral" clients.

We offer a full range of structural engineering services, including: structural design, specialty engineering, structural assessments, threshold, special and 40-year inspections, restoration and peer reviews and feasibility studies. Our professional experience covers a comprehensive array of projects including: multi-family and condominium residences, custom single-family residences, car dealerships, hotels, parking garages, pedestrian bridges, fire stations, public safety complexes, police stations, public parks, lifeguard towers, sea wall restoration and repair, retail structures, medical facilities, office buildings, courthouses, etc.

As a company, we strive to be the industry leaders in terms of our design approach. We use the latest editions of the structural design and analysis software, as well as building information modeling (BIM) software to deliver a high quality set of construction documents. Our collaborative, solutions-oriented approach combined with our expansive experience and creativity provide for competent, practical, economical and sustainable outcomes.

MUEngineers Certifications and Licenses



I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE

32. DATE

10/03/2018

33. NAME AND TITLE

Marcus Unterwger, President

1. SOLICITATION NUMBER (If any)

PART II - GENERAL QUALIFICATIONS

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

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

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

STANDARD FORM 330 (REV. 8/2016) PAGE 6

Nutting Engineers of Florida, Inc.



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

12. NAME Richard C. Wohlfarth, P.E.	13. ROLE IN THIS CONTRACT Dir. of Engineering/ Principal-In-Charge	14. YEARS EXPERIENCE a. TOTAL 32 b. WITH CURRENT FIRM 27	
15. FIRM NAME AND LOCATION <i>(City and State)</i> Nutting Engineers of Florida, Inc., Boynton Beach, Florida			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> University of Florida - B.S. Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Florida Professional Engineer #50858 Registered Building Inspector BN #3580 SBCCI #6528 Level 1 Unbonded PT - Field Installation	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Florida Engineering Society- Past Chapter President, National Society of Professional Engineers, Treasure Coast Builders Association, American Red Cross First Aid & CPR Certification			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> City of Pembroke Pines, Various Projects	(2) YEAR COMPLETED PROFESSIONAL SERVICES ongoing CONSTRUCTION <i>(If applicable)</i> ongoing	
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provide geotechnical engineering services for the City and/or City-hired consultants. Projects include but are not limited to Pembroke Road Extension Project from SW 196th Avenue west to SW 208th Avenue (2016), Pembroke Pines FPL Easement Parking Lot Expansion (2014), Pembroke Lakes Golf Course (2012), CB Smith Park - Paradise Cove Water Park (2011).		
(1) TITLE AND LOCATION <i>(City and State)</i> City of Coral Springs, Various Projects	(2) YEAR COMPLETED PROFESSIONAL SERVICES ongoing CONSTRUCTION <i>(If applicable)</i> ongoing	
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provide geotechnical engineering, construction materials testing and inspection services on many projects including multiple lift stations, NW 110th Avenue water main replacement (2017), Sample Road waste and force main replacement (2017), W. and E. booster station rehab (2016), Forest Hill Boulevard sidewalk lighting (2015), rehabilitation of Mullins water booster station (2015), Westside municipal site, waste transfer station, multiple wellhead replacements, emergency water services interconnect upgrade.		
(1) TITLE AND LOCATION <i>(City and State)</i> City of Miramar, Various Departments	(2) YEAR COMPLETED PROFESSIONAL SERVICES ongoing CONSTRUCTION <i>(If applicable)</i> ongoing	
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provide geotechnical engineering, construction materials testing and inspection services per a qualification based continuing service contract. Projects include the City of Miramar Overflow Parking Facility, Fire Station #107, Police Department, East Miramar fire hydrant and line improvements, Old City Hall site, Ansin Sports Complex, Miramar Multi-Service Center, numerous parks and infrastructure improvement projects.		
(1) TITLE AND LOCATION <i>(City and State)</i> City of Hollywood, Various Projects	(2) YEAR COMPLETED PROFESSIONAL SERVICES ongoing CONSTRUCTION <i>(If applicable)</i> ongoing	
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Lift stations, roadway improvements, drainage improvements, water main replacements, water treatment plants and building construction throughout Hollywood including the Young Circle parking and traffic improvement project, Garfield Street Parking Garage, Charnow Park, Dowdy Field, Rotary Park Improvements, Raw Water Piping Floridan, Water Main Replacement Program, Hollywood WWTP.		
(1) TITLE AND LOCATION <i>(City and State)</i> Broward County, (Qualification Based Contract), Multiple Depts. inc. Public Works, Building, Parks & Rec., Aviation, Fire Rescue, Roadway	(2) YEAR COMPLETED PROFESSIONAL SERVICES ongoing since '87 CONSTRUCTION <i>(If applicable)</i> ongoing	
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provide geotechnical engineering, site and building pad preparation monitoring, construction materials testing, special/threshold inspection services. Projects under this contract include West Regional Library and Parking Garage, EDP Laboratory, Pembroke Park Fire Stations #17 and #27, multiple roadway improvements, Aviation Dept. (several new bldgs., new terminal building and apron, a 1.3M SF 7-story short term parking structure, fuel line relocations, roadways and bridges).		

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

12. NAME Christopher E. Gworek, P.E.	13. ROLE IN THIS CONTRACT Senior Project Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 18	b. WITH CURRENT FIRM 15
15. FIRM NAME AND LOCATION <i>(City and State)</i> Nutting Engineers of Florida, Inc., Boynton Beach, Florida			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Clarkson University-Potsdam, NY M.S. Engineering Wastewater Treatment & Pollution Control B.S. Civil Environmental Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Florida Professional Engineer (PE) #69947 Engineering Intern (EI) ACI Concrete Field Testing Level I	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> 2014 Engineer of the Year for the Palm Beach Chapter of the Florida Engineering Society, American Red Cross First Aid & CPR Certification			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Westside Municipal Site, City of Coral Springs	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provided geotechnical engineering services via City hired consultant for the the municipal site including a subsurface soil investigation for evaluation of poor drainage during major storm events and the redevelopment of the site.		
(1) TITLE AND LOCATION <i>(City and State)</i> City of Coral Springs, Various Projects	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES ongoing	CONSTRUCTION <i>(If applicable)</i> ongoing
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provide geotechnical engineering, construction materials testing and inspection services on many projects including multiple lift stations, NW 110th Avenue water main replacement (2017), Sample Road waste and force main replacement (2017), W. and E. booster station rehab (2016), Forest Hill Boulevard sidewalk lighting (2015), rehabilitation of Mullins water booster station (2015), Westside municipal site, waste transfer station, multiple wellhead replacements, emergency water services interconnect upgrade.		
(1) TITLE AND LOCATION <i>(City and State)</i> Broward County, (Qualification Based Contract), Multiple Depts. inc. Public Works, Building, Parks & Rec., Aviation, Fire Rescue, Roadway	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES ongoing	CONSTRUCTION <i>(If applicable)</i> ongoing
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Phase I/II environmental assessments, geotechnical engineering, site and building pad preparation monitoring, construction materials testing, special/threshold inspection services. Projects under this contract include West Regional Library and Parking Garage, EDP Laboratory, Pembroke Park Fire Stations #17 and #27, multiple roadway improvements, Aviation Dept. (several new bldgs., new terminal building and apron, a 1.3M SF 7-story short term parking structure, fuel line relocations, roadways and bridges).		
(1) TITLE AND LOCATION <i>(City and State)</i> City of Coconut Creek, Various Projects	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES ongoing	CONSTRUCTION <i>(If applicable)</i> ongoing
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provide geotechnical engineering and construction materials testing services for various project throughout the City including storm drain improvements, water mains, various roadway projects, crosswalk repairs, NW 76th Place bridge, C-5 Canal widening, Lyons Road median enhancement, Hosfort Park, Sable Pines Park ballfield improvements, County turn around, Lyons Gate, and NW 39th Street reclaimed water station.		
(1) TITLE AND LOCATION <i>(City and State)</i> City of Lauderhill, Various Projects	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014 - 2015	CONSTRUCTION <i>(If applicable)</i> 2015
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provided/ing construction material testing and threshold inspection services for the design and construction of the new three-bay fire station #110. Additional projects include the geotechnical engineering, material testing and/or inspections for the new proposed fire tower, the 33,000 SF Performing Arts Center and adjacent 11,000 SF Library, and the 40,000 Municipal Building.		

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 1
21. TITLE AND LOCATION <i>(City and State)</i> City of Pompano Beach, Florida - Various Projects		22. YEAR COMPLETED PROFESSIONAL SERVICES ongoing
		CONSTRUCTION <i>(If applicable)</i> ongoing

23. PROJECT OWNER'S INFORMATION		
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a. PROJECT OWNER City of Pompano Beach	b. POINT OF CONTACT Mr. Luis Friend	c. POINT OF CONTACT TELEPHONE NUMBER 954-786-4023
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT
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Nutting Engineers of Florida, Inc. was retained by the City of Pompano Beach to perform geotechnical exploration/ engineering and construction materials testing services for numerous projects including but not limited to:

- **Proposed Mast Arm Traffic Signal, MLK Boulevard & NW 27th Avenue, 2016:** Proposed installation of a new mast arm.

- **Old Pompano Area Improvement Project, 2016:** Multi-phased (6) improvement project including site preparation, earthwork, dewatering, roadway and driveway restoration, landscaping improvements and lighting improvements in various locations.

- **Charlotte Burrie Community Center, 2015:** New 1 or 2-story, ~8,712 SF community center and asphalt parking area

- **Community Park Aquatic Center, 2012:** Construction of a new aquatic timing device (scoreboard)

- **Palm Aire Park Improvements, 2010:** New 1-story, 500 SF restroom facility within the park

Projects via third party include but are not limited to:

- **Broward County Septage Facility, 2017:** Constructing a new operations building, dumpster pad, and pump pad

- **MPS 221 Rehabilitation, 2016:** Rehabilitation of an ~12' x 6' fuel tank

- **Alsdorf Park, 2012:** Improvements and repairs including the expansion of the existing paved parking area, existing boat dock, boat ramp and seawall

- **Pompano Beach Air Park, 2011:** Construction of eight (8) new hangar buildings, ranging from 1,150 SF to 11,000 SF in size

- **Pompano Beach Community Park, Phase III, 2011:** Construction of a new 1-story, ~2,000 SF restroom and concession building

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
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a.	(1) FIRM NAME Nutting Engineers of Florida, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Boynton Beach, Florida 33426	(3) ROLE Geotechnical Engineering Services - full scope of 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
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 2
21. TITLE AND LOCATION <i>(City and State)</i> City of Coral Springs, Florida - Various Projects		22. YEAR COMPLETED PROFESSIONAL SERVICES ongoing
		CONSTRUCTION <i>(If applicable)</i> ongoing

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Coral Springs	b. POINT OF CONTACT Mr. Ronald Stein	c. POINT OF CONTACT TELEPHONE NUMBER 954-946-1739

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Nutting Engineers of Florida, Inc. was retained by the City of Coral Springs to perform geotechnical exploration/ engineering, construction materials testing and/or inspection services for numerous projects including but not limited to:</p> <p>Coral Springs Municipal Complex, Ongoing: Construction of a new 5-story municipal building and 3-story parking garage.</p> <p>Westside Maintenance Facility, 2017: Future construction of a new 2-story maintenance facility include dock high bay areas.</p> <p>CSI Building Addition, 2016: Interior build out of ~1,260 square foot of the existing 1st floor building and the addition of an ~1,970 square foot 2nd floor.</p> <p>Tennis Complex Storage Building, 2015: Construction of a new 1-story, ~1,200 SF metal storage building.</p> <p>Humane Building, West Side Expansion 2015: Proposed expansion to the existing facility.</p> </div> <div style="width: 48%;"> <p>Other recent projects include but are not limited to:</p> <ul style="list-style-type: none"> - Lift Station 21C reconstruction and new force main, 2017 - NW 110th Avenue water main replacement, 2017 - NW 40th Street improvements, 2017 - Sample Road water and force main replacement, 2017 - 14E, 17A, 17C, 18C lift station rehab and force main replacement, 2016 - West and East water booster station rehab, 2015 - Forest Hill Boulevard sidewalk lighting, 2015 </div> </div>	
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25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Nutting Engineers of Florida, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Boynton Beach, Florida	(3) ROLE Geotechnical Engineering Firm - full scope of 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
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 3				
21. TITLE AND LOCATION (City and State) City of Coconut Creek, Florida - Various Projects		22. YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION <i>(If applicable)</i></td> </tr> <tr> <td>2005</td> <td>ongoing</td> </tr> </table>	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>	2005	ongoing
PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>					
2005	ongoing					

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Coconut Creek	b. POINT OF CONTACT Mr. Randall Blachette, PE	c. POINT OF CONTACT TELEPHONE NUMBER 954-973-6786

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

Nutting Engineers of Florida, Inc. has a relationship with the City of Coconut Creek dating back to 2005 with projects directly for the City of Coconut Creek, and projects through contractors, architects and engineers providing geotechnical studies, construction material testing, laboratory testing and inspection services.

466 West Meter, NEC of West Sample Road and SR441 Entrance Ramp, 2015 (CDM Smith)

NE was retained by CDM Smith to perform geotechnical exploration/engineering services in an effort to evaluate the subsurface soil conditions in preparation for the installation of master meter vaults.

NW 51st Terrace & Johnson Road Drainage, 2014

NE was retained by the City to perform geotechnical exploration/engineering services (exfiltration tests) in an effort to further evaluate the drainage issues and subsurface soil conditions in an effort to improve road conditions.

Sabal Pines Park Ballfield Improvements, 5005 NW 39th Avenue, Coconut Creek, 2013

NE was retained by the City to perform geotechnical exploration/engineering services In an effort to further evaluate the drainage issues and subsurface soil conditions in an effort to improve field conditions.

City of Coconut Creek Public Works Building, Imm. S. of Copans Road & West of Lyons Road., Coconut Creek, 2011

NE was retained by Walter Zackria Associates to perform

geotechnical exploration/engineering services in an effort to evaluate the subsurface soil conditions in preparation for the proposed Public Works Building.

Reclaimed Waterline Installation, Wiles Road, Lyons Road & NW 39th Street, Coconut Creek, 2010

NE was retained by Eckler Engineering to perform geotechnical exploration/engineering services in an effort to evaluate the subsurface soil conditions in preparation for proposed waterline installation at the site.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Nutting Engineers of Florida, Inc.	(2) FIRM LOCATION (City and State) Miami, Florida	(3) ROLE Geotechnical Services Firm- full scope of services
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 4
21. TITLE AND LOCATION <i>(City and State)</i> City of Hallandale Beach, Florida - Various Projects		22. YEAR COMPLETED PROFESSIONAL SERVICES ongoing
		CONSTRUCTION <i>(If applicable)</i> ongoing

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Hallandale Beach	b. POINT OF CONTACT Mr. Gregg Harris	c. POINT OF CONTACT TELEPHONE NUMBER 954-451-3029

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT

Nutting Engineers of Florida, Inc. has performed geotechnical exploration/engineering, construction materials testing and/or inspection services for the City of Hallandale Beach since 2001. Most recent projects include, but are not limited to:

- **Hallandale Beach Stormwater 42 Year Community Development Block Grant, 2017:** Installation of drainage pipes, catch basins, manholes, and exfiltration trenches throughout the referenced project area.
- **SW-SE Hallandale Beach Drainage Improvements, 2017:** Installation of 72-inch to 18-inch diameter DIP Force Mains (approx. 3,900 l.f.), Pump Stations, Control Structures, and Drainage Structures
- **Bluesten Park, 2016:** Construction of a new community recreation center, swim sports facility, field house, pool and children's area, multiple sports courts and two (2) baseball fields on a 16.5 acre site.
- **Golden Isles Tennis Complex and Dog Park, 2015:** Construction of a new restroom facility, pro shop area, the reconfiguration of the existing tennis courts and paved parking area.
- **Fire Station #7, 2015:** Performed exfiltration testing for the drainage evaluation of existing soils.
- **OB Johnson Park, 2014:** Construction of a 2 to 3-story, ~45,000 SF building with associated site amenities.
- **City of Hallandale Beach Main Fire Station, 2014:** Construction of a new 2 to 3-story fire station and emergency operation center with a footprint of ~20,000 SF.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Nutting Engineers of Florida, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Miami, Florida	(3) ROLE Geotechnical Engineering Firm - full scope of 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
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 5
21. TITLE AND LOCATION <i>(City and State)</i> City of Hollywood, Florida - Various Projects		22. YEAR COMPLETED PROFESSIONAL SERVICES ongoing since '02 CONSTRUCTION <i>(If applicable)</i> ongoing

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Hollywood, Various Depts.	b. POINT OF CONTACT See Below	c. POINT OF CONTACT TELEPHONE NUMBER See Below

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT	
<p>Nutting Engineers of Florida, Inc. has a relationship with the City of Hollywood dating back to 2002 with a geotechnical study and asphalt coring services for the Ocean Walk (for Mr. Moe Anuar). Since then we have provided dozens of geotechnical studies as well as provided construction material testing, laboratory testing and inspection services directly for Hollywood personnel.</p> <p>2017 Projects: Water Main Replacement Program Hollywood Boulevard from Johnson Street to Hollywood Boulevard and 60th Avenue to North 53rd Avenue (64,000 lf) (Geotechnical) Water Main and Sewer Replacement Hollywood Boulevard, north of Pembroke Road, west of South Federal Highway and east of South Dixie (60,000 lf) (Geotechnical)</p> <p>2015 Projects: Water Main Replacement Program South 26th Avenue to Dixie Highway (Testing)</p> <p>2014 and 2013 Projects: WTP Scrubber System Expansion, Hollywood Boulevard and North 35th Avenue (Geotechnical)</p>	<p>Alleyways between 54th and 55th Avenue (Geotechnical) Hollywood WWTP @ 1621 North 35th Avenue (Testing)</p> <p>2012 and 2011 Projects: Drainage Study @ NW 29th Street between NW 6th Avenue and Florida Turnpike 14th Avenue Drainage Improvements @ North 14th Avenue & various streets west of North 14th Avenue Dixie Corridor Septic to Sewer Conversion, Dixie Highway between Pembroke Road and Sheridan Street; between Sherman Street and Taft Street</p> <p>New Pipeline on Arthur Street to Hollywood Boulevard, Arthur Street and North 12th Avenue to North 14th Avenue DIW Booster Pump Station @ Hollywood WTP, Hollywood Boulevard Signal and Road Improvements @ Taft Street and North 21st Road</p> <p>City Personnel Contact: Mr. Clece Aurelus, 954-921-3930, Mr. Leslie Pettit, 954-921-3995, Mr. James Mortel, 954-621-3930</p>

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Nutting Engineers of Florida, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Miami, Florida	(3) ROLE Geotechnical Engineering Firm - full scope of 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
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

[illegible]

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	City of Pompano Beach - Various Projects	6	
2	City of Coral Springs - Various Projects	7	
3	City of Coconut Creek - Various Projects	8	
4	City of Hallandale - Various Projects	9	
5	City of Hollywood - Various Projects	10	

H. ADDITIONAL INFORMATION

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

Relevant Experience: As the current contract holder for geotechnical engineering, construction material testing, and inspection services for various South Florida entities including Palm Beach and Miami Dade County BOCCs, Broward Schools and Miami Dade Public Schools, Nutting Engineers of Florida, Inc. is very familiar with the needs and expectations of the City. Additionally, as we celebrate our "50 Year Anniversary" in S.Florida and the Treasure Coast we are very knowledgeable of local conditions and building standards.

Safety Director: Another aspect that sets Nutting Engineers of Florida, Inc. apart from other firms is having on staff a full-time Safety Director, Mrs. Mattie Allen, who ensures that our team members are providing services in the safest way possible, benefiting both the City and the Nutting team. Our team has developed a strict Safety Program which includes a standard method of operations and employee training program to minimize risks at all costs, taking all precautions against accidents, injuries, liabilities and other work stoppages for the benefit of and to protect our personnel, our clients and the safety of all parties involved.

Mrs. Allen's' daily procedures include un-announced job-site visits ("safety checks") to ensure appropriate safety harnesses/vests, hard hats, eye wear, footwear and procedures are being implemented. Through use of our GPS tracking system she also monitors the speed and driving patterns of the members of the fleet. She oversees mandatory safety meetings, where she or a topic geared outside speaker address different topics, such as proper lifting techniques, job site safety, protective gear usage, safe driving techniques, OSHA practices, to name a few. She also oversees the in-house "Safety First" incentive program which includes quarterly meetings and newsletters as well as the CPR and First Aid training of every field AND in-house Nutting employee.

Mrs. Allen is also responsible for the "Jessica Lunsford Act" Screenings for our employees that work on school projects. Given our number of relevant qualification based contracts with School Districts and Counties, including Broward, Miami Dade, Martin and Indian River Counties, a lot of our employees are already screened and badged throughout South Florida and the Treasure Coast.

Nutting Engineers of Florida is proud to report in the last 2 years our EMR has dropped from 1.13 (2015), 1.16 (2016) to .72 (projected for July 2017). This was accomplished through the concerted effort of all employees.

Our Drug-Free Workplace Program is an integral part of our Safety program: Our stringent Drug Free Workplace Program, overseen by Mrs. Betsy Butler, Principal, and Mrs. Mattie Allen, Safety Officer, involves pre-employment and random testing of every employee regardless of rank or position. Three to four employees are randomly chosen per month by an outside testing agency. The chosen employees are immediately dispatched to a testing facility to provide a sample. An employee is also sent for testing if there is reasonable suspicion, as well as post-accident situations. In any situation, if the employee tests positive for drugs and/or alcohol, they may be subject to disciplinary action including 12 months of random testing, referral to the Employee Assistance Program (see below) and/or suspension, or immediate termination.

An added benefit of Nutting's employee benefit package includes an "Employee Assistance Program" (EAP), a confidential outside resource Center, at no cost to the employee and their dependents. Access to the EAP is through self-referral or by a supervisor. One of the many benefits offered at this Program/ Center is substance abuse assessment and counseling or referral, as well as counseling for marriage, divorce adjustment, job-related issues, parent/ child, mental health and legal/ financial consultations.

I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE



32. DATE

October 4, 2018

33. NAME AND TITLE

Mr. James Flaig, PE, Principal/Chief Engineer

1 SOLICITATION NUMBER (If any)

RFQ 2018-12

PART II - GENERAL QUALIFICATIONS

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

2a FIRM (OR BRANCH OFFICE) NAME Nutting Engineers of Florida, Inc.			3 YEAR ESTABLISHED 1967		4. DUNS NUMBER	
2b STREET 1310 Neptune Drive			5. OWNERSHIP			
2c CITY Boynton Beach		2d STATE Florida	2e ZIP 33426			
6a POINT OF CONTACT NAME AND TITLE Richard Wohlfarth, P.E., Principal/Director of Engineering			a TYPE Corporation			
6b TELEPHONE NUMBER 561-736-4900			b SMALL BUSINESS STATUS MDC & SFWMD SBE			
6c E-MAIL ADDRESS rickw@nutting.biz			7 NAME OF FIRM (If block 2a is a branch office) Nutting Engineers of Florida, Inc.			
8a. FORMER FIRM NAME(S) (If any)			8b. YR. ESTABLISHED		8c. DUNS NUMBER	
HC Nutting Nutting Engineers, Inc.			1932 1956			

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/Geotech. Eng	4	2	S05	Soils & Geologic Studies;	5
48	Project Manager	2	1	T02	Testing & Inspection Services	5
08	CADD Technician	1		E09	Environmental Impact Studies,	5
24	Environmental Scientist	3	1			
58	Technician/Analyst	14	6			
15	Construction Inspector	4	1			
51	Safety/Occupational Health	1				
53	Scheduler	2	1			
02	Administrative	7	2			
	Drillers/ Driller Assistants	4	2			
	Total	42	16			

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	
a. Federal Work	1	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	6	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	6	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts

a. SIGNATURE	b. DATE
	October 4, 2018
c. NAME AND TITLE	
Mr. James Flaig, PE, Principal/Chief Engineer	

Stoner and Associates, Inc.



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

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
James D. Stoner, PSM	Principal	a. TOTAL 40 years	b. WITH CURRENT FIRM 29 years
15. FIRM NAME AND LOCATION <i>(City and State)</i> Stoner & Associates, Inc. Davie, Florida			
16. EDUCATION <i>(Degree and Specialization)</i> Associates of Science in Land Surveying		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> State of Florida Professional Surveyor and Mapper License No. LS4039	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Florida Surveying and Mapping Society American Congress on Surveying and Mapping Leadership Broward			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
City of Sunrise Corporate Limits	2016	N/A
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Prepare city limits map based on the legal description and plot the corporate limits (11,593 acres) on aerial maps. \$2,000.00		
City of Plantation Fire Station No. 5	2016	N/A
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Prepare a Boundary, Topographic, and Tree Survey of the existing fire station situated on a 1.22 acre parcel located at 901 North Pine Island Road. \$5,240.00		
Town of Davie Linear Park	2016	N/A
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Prepare a Topographic and Tree Survey of the 8-mile long linear park located between the North bank of the South New River Canal and the South edge of pavement of Orange Drive. \$21,100.00		
Town of Davie Governor Leroy Collins Park	2017	N/A
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Prepare a Boundary, Topographic, and Tree Survey of the proposed 85-acre park site. \$32,740.00		
City of Cooper City Pool and Tennis Center	2016	N/A
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Prepare a Topographic and Tree Survey of the recreation center containing buildings, pool, pool decks, and tennis courts. \$5,370.00		

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

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Richard G. Crawford, Jr., PSM	Professional Land Surveyor	a. TOTAL 25 years	b. WITH CURRENT FIRM 23 years
15. FIRM NAME AND LOCATION <i>(City and State)</i> Stoner & Associates, Inc. Davie, Florida			
16. EDUCATION <i>(Degree and Specialization)</i> Associates of Science in Land Surveying		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> State of Florida Professional Surveyor and Mapper License No. LS5371	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Florida Surveying and Mapping Society American Congress on Surveying and Mapping Leadership Broward			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
City of Sunrise Corporate Limits		2016	N/A
a.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Prepare city limits map based on the legal description and plot the corporate limits (11,593 acres) on aerial maps. \$2,000.00		
(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
City of Plantation Fire Station No. 5		2016	N/A
b.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Prepare a Boundary, Topographic, and Tree Survey of the existing fire station situated on a 1.22 acre parcel located at 901 North Pine Island Road. \$5,240.00		
(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
Town of Davie Linear Park		2016	N/A
c.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Prepare a Topographic and Tree Survey of the 8-mile long linear park located between the North bank of the South New River Canal and the South edge of pavement of Orange Drive. \$21,100.00		
(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
Town of Davie Governor Leroy Collins Park		2017	N/A
d.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Prepare a Boundary, Topographic, and Tree Survey of the proposed 85-acre park site. \$32,740.00		
(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
City of Cooper City Pool and Tennis Center		2016	N/A
e.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Prepare a Topographic and Tree Survey of the recreation center containing buildings, pool, pool decks, and tennis courts. \$5,370.00		

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 1				
21. TITLE AND LOCATION <i>(City and State)</i> Corporate Limits City of Sunrise, Florida	22. YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION <i>(If applicable)</i></td> </tr> <tr> <td>2016</td> <td>N/A</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>	2016	N/A
PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>					
2016	N/A					

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Sunrise	b. POINT OF CONTACT NAME Alfredo Montano	c. POINT OF CONTACT TELEPHONE NUMBER (954)888-6037
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Prepare city limits map based on the legal description and plot the corporate limits (11,593 Acres) on aerial maps.

\$2000

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Stoner & Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Davie, Florida	(3) ROLE Prime Contractor Land Surveying
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 2				
21. TITLE AND LOCATION <i>(City and State)</i> Fire Station No. 5 City of Plantation, Florida	22. YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION <i>(If applicable)</i></td> </tr> <tr> <td>2016</td> <td>N/A</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>	2016	N/A
PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>					
2016	N/A					

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Plantation	b. POINT OF CONTACT NAME Brett Butler	c. POINT OF CONTACT TELEPHONE NUMBER (954)797-2282
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Prepare boundary, topographic and tree survey of existing fire station situate on 1.22 acres parcel located at 901 N. Pine Island Road and containing 1.22 acres.

\$5240

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Stoner & Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Davie, Florida	(3) ROLE Prime Contractor Land Surveying
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 3
21. TITLE AND LOCATION <i>(City and State)</i> Linear Park Town of Davie, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Town of Davie	b. POINT OF CONTACT NAME Emilio DeSimone	c. POINT OF CONTACT TELEPHONE NUMBER (954)797-1085
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Prepare topographic and tree survey of the 8-mile long linear park located between the N. Bank of the S. New River Canal and the S. edge of pavement of Orange Drive.

\$21,100

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Stoner & Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Davie, Florida	(3) ROLE Prime Contractor Land Surveying
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 4				
21. TITLE AND LOCATION <i>(City and State)</i> Governor Leroy Collins Park Town of Davie, Florida		22. YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION <i>(If applicable)</i></td> </tr> <tr> <td>2016</td> <td>N/A</td> </tr> </table>	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>	2016	N/A
PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>					
2016	N/A					

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Town of Davie	b. POINT OF CONTACT NAME Emilio DeSimone	c. POINT OF CONTACT TELEPHONE NUMBER (954)797-1085
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Prepare boundary, topographic and tree survey of the proposed 85-acre acre park site. 2017

\$32,740

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Stoner & Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Davie, Florida	(3) ROLE Prime Contractor Land Surveying
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 5				
21. TITLE AND LOCATION <i>(City and State)</i> City of Cooper City Pool and Tennis Center City of Cooper City, Florida		22. YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION <i>(If applicable)</i></td> </tr> <tr> <td>2016</td> <td>N/A</td> </tr> </table>	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>	2016	N/A
PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>					
2016	N/A					

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Cooper City	b. POINT OF CONTACT NAME Denise Yoezle	c. POINT OF CONTACT TELEPHONE NUMBER (954)434-2300 ext. 306
--	--	---

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

Prepare a Topographic and Tree Survey of the recreation center containing buildings, pool, pool decks, and tennis courts.
 \$5,370.00

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Stoner & Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Davie, Florida	(3) ROLE Prime Contractor Land Surveying
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

[illegible]

29. EXAMPLE PROJECTS KEY

NUMBER	TITLE OF EXAMPLE PROJECT <i>(From Section F)</i>	NUMBER	TITLE OF EXAMPLE PROJECT <i>(From Section F)</i>
1	City of Sunrise Corporate Limits	6	
2	City of Plantation Fire Station No. 5	7	
3	Town of Davie Linear Park	8	
4	Town of Davie Governor Leroy Collins Park	9	
5	City of Cooper City Pool and Tennis Center	10	

H. ADDITIONAL INFORMATION

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

I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE



32. DATE

10/03/2018

33. NAME AND TITLE

James D. Stoner, P.S.M., President

1. SOLICITATION NUMBER (If any)

2018-012


PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME Stoner & Associates, Inc.			3. YEAR ESTABLISHED 1988		4. DUNS NUMBER 195500624	
2b. STREET 4341 S.W. 62nd Avenue			5. OWNERSHIP			
2c. CITY Davie			2d. STATE FL		2e. ZIP CODE 33314	
6a. POINT OF CONTACT NAME AND TITLE James D. Stoner, P.S.M., President			a. TYPE S-Corporation			
			b. SMALL BUSINESS STATUS 541370-Surveying and Mapping Services			
6b. TELEPHONE NUMBER (954)585-0997			6c. E-MAIL ADDRESS jstoner@stonersurveyors.com		7. NAME OF FIRM (If block 2a is a branch office) Not Applicable	
8a. FORMER FIRM NAME(S) (If any) Not Applicable			8b. YR. ESTABLISHED		8c. DUNS NUMBER	

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 <i>(see below)</i>
		(1) FIRM	(2) BRANCH			
38	Land Surveyor	1		L02	Land Surveying	5
48	Project Manager	2				
08	CADD Technician	1				
02	Administrative	1				
	Other Employees	9				
	Total	14				

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	0	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	5	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	5	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

		12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.
a. SIGNATURE		b. DATE 10/03/2018
c. NAME AND TITLE James D. Stoner, P.S.M., President		

Traf Tech Engineering, Inc.

Traf Tech
ENGINEERING, INC.

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

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
Joaquin E. Vargas	Transportation/Traffic Engineer	a. TOTAL	b. WITH CURRENT FIRM
		30	12

15. FIRM NAME AND LOCATION (City and State) **TRAF TECH ENGINEERING, INC. (TAMARAC, FLORIDA)**

16. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
BSCE (Civil Engineer) MSCE (Transportation Engineer)	PE Florida

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

Institute of Transportation Engineers (Member), Traffic Simulation Training, Published article on Echelon Interchange (Urban Interchanges)**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Traffic Consultant for Memorial Healthcare System	2016	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Review traffic studies and site plans from a traffic standpoint	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	Traffic Consultant for City of Sunrise	On-Going	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Review traffic studies and site plans from a traffic standpoint	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	City of Oakland Park	2015	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Conducted lane-reduction study for Powerline Road from Oakland Park Boulevard to Commercial Boulevard	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	Traffic Consultant for City of Tamarac	On-Going	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Review traffic studies and site plans from a traffic standpoint	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	Town of Lauderdale-By-The-Sea	2014	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Consulting Services to implement pedestrian-only signal phase at East Commercial Boulevard and SR A1A	<input checked="" type="checkbox"/> Check if project performed with current firm	

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

*(Present as many projects as requested by the agency, or 10 projects, if not specified.
Complete one Section F for each project.)*

20. EXAMPLE PROJECT KEY
NUMBER

1

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

Traffic Consultant for Memorial West Hospital

22. YEARS COMPLETED

PROFESSIONAL SERVICES CONSTRUCTION *(If Applicable)*

Traffic Engineering

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

b. POINT OF CONTACT NAME

c. POINT OF CONTACT TELEPHONE NUMBER

Memorial West

Mark Greenspan

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

Review traffic studies conducted by others and provide comments to the City. Review site plans from access, parking layout and internal site circulation standpoints. Review landscaping plans from visibility standpoint (sight distance). Conduct field observations relative to current traffic problems within the City and provide recommendations intended to improve traffic flow and enhance safety.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Traf Tech Engineering, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Tamarac, Florida	(3) ROLE Traffic/Parking Consultant
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

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

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

2

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

Traffic Consultant for the City of Sunrise

22. YEARS COMPLETED

PROFESSIONAL SERVICES CONSTRUCTION *(If Applicable)*

On-going

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

b. POINT OF CONTACT NAME

c. POINT OF CONTACT TELEPHONE NUMBER

City of Sunrise

Shannon Ley

(954) 746-3288

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

Review traffic studies conducted by others and provide comments to the City. Review site plans from access, parking layout and internal site circulation standpoints. Review landscaping plans from visibility standpoint (sight distance). Conduct field observations relative to current traffic problems within the City and provide recommendations intended to improve traffic flow and enhance safety.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Traf Tech Engineering, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Tamarac, Florida	(4) ROLE Traffic/Transportation Consultant
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(4) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(4) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(4) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(4) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(4) ROLE

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

[illegible]

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Traffic Consultant Memorial West		
2	Traffic Consultant City of Sunrise		

H. ADDITIONAL INFORMATION

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

Work Experience

Joaquin Vargas' experience includes traffic operation and safety studies for the Florida Department of Transportation, Florida's Turnpike, numerous municipalities, Broward County, and the private sector. For the private sector, Joaquin Vargas has conducted hundreds of traffic impact studies ranging from small scale developments to regional shopping centers. In the past two years, Joaquin has completed more than 150 traffic studies in the State of Florida. Mr. Vargas has also been involved in projects involving major events at the Florida Panther's Arena in Sunrise and at the Daytona International Speedway. He has also conducted traffic studies in Canada, the Bahamas, Saint Maarten, Mexico, Honduras, Africa and the Dominican Republic.

From 1996 to 2006, Mr. Vargas served as traffic operations and safety consultant to the Florida Department of Transportation (FDOT). During this period, he conducted over 200 traffic engineering assignments for the FDOT, including the Florida Keys Hurricane Evacuation Study completed in 2001. He has also evaluated over 100 locations where fatal crashes occurred. These investigations focused on the contributing causes of the fatal crash and roadway deficiencies that potentially contributed to the accident.

Mr. Vargas has served as traffic consultant to the cities of Fort Lauderdale, Coral Springs, Sunrise, Tamarac, Homestead, Cooper City, Miami Springs, Surfside, Ocala, and Destin. Some representative projects include the Destin Harbor Parking Master Plan, Sistrunk Boulevard traffic calming project in Fort Lauderdale, and many reviews of traffic studies on behalf of municipalities. The City of Pompano Beach has recently retained the services of Traf Tech Engineering to conduct a parking and traffic study for the Pompano Beach area. As part of the Pompano Beach study, Traf Tech Engineering recommended a "road-diet" alternative on a roadway in order to enhance and improve pedestrian mobility near the beach. (The term road diet applies to taming, or what Walkable Communities, Inc., calls skinning up, fat, higher-speed multi-lane roadways that were expanded in response to growing traffic. In a road diet, the number of road lanes is reduced or reallocated.).

31. SIGNATURE

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

32. DATE

10-5-2018

33. NAME AND TITLE Joaquin E. Vargas, - President

1. SOLICITATION NUMBER (If any)

R.F.Q. No. 2018-012

PART II – GENERAL QUALIFICATIONS


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

2a. FIRM (OR BRANCH OFFICE) NAME			3. YEAR ESTABLISHED		4. DUNS NUMBER	
Traf Tech Engineering, Inc. (Tamarac, Florida)			2005		60-854-4289	
2b. STREET			5. OWNERSHIP			
8400 N. University Drive, Suite 309			a. TYPE			
2c. CITY			2d. STATE		2e. ZIP CODE	
Tamarac			FL		33321	
6a. POINT OF CONTACT NAME AND TITLE			b. SMALL BUSINESS STATUS			
Joaquin E. Vargas			DBE and SBE			
6a. TELEPHONE NUMBER			7. NAME OF FIRM (If block 2a is a branch office)			
(954) 643-1671			6c. E-MAIL ADDRESS			
			joaquin@traftech.biz			

8a. FORMER FIRM NAME(S) (If any)	8b. YR. ESTABLISHED	8c. DUNS NUMBER

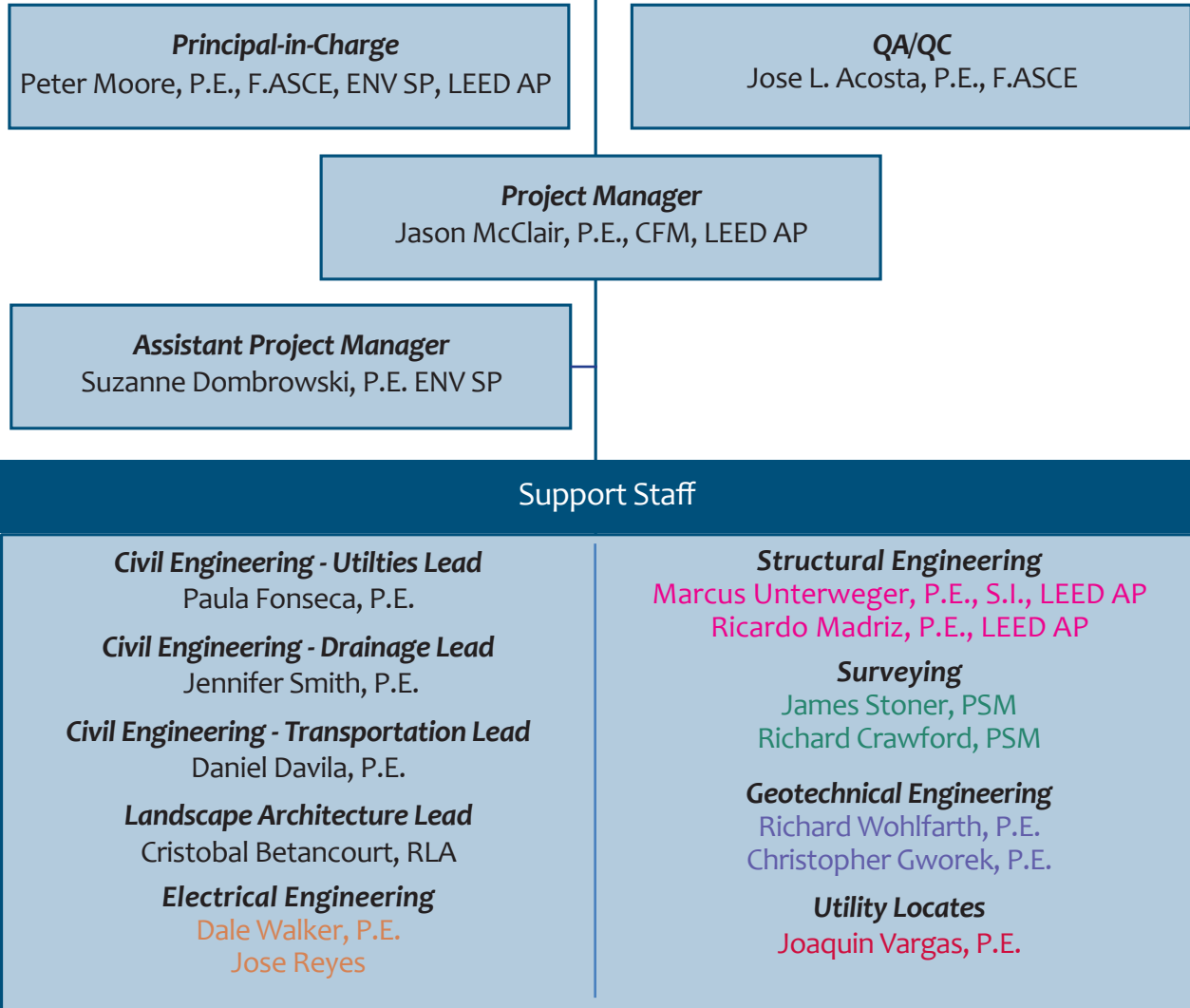
[illegible]

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

<p>a. SIGNATURE</p> 		<p>12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.</p>	<p>b. DATE</p> <p>10-5-2018</p>
<p>c. NAME AND TITLE</p> <p>Joaquin E. Vargas - President</p>			

4. PROJECT TEAM

Organizational Chart



Legend

C&W Engineering
MUEngineers
Nutting Engineers of Florida, Inc. *
Stoner and Associates, Inc. +
Traf Tech Engineering, Inc. + -

+ Broward County CBE
* Broward College SBE
- State of FL DBE

5. PERSONNEL ASSIGNED

All individuals on our project team are committed to providing the City with a well planned, designed and constructed project. Chen Moore and Associates recognizes the City of Margate as an important and dynamic client. We want to develop a solid relationship and become the City's "Trusted Advisor" for your projects. In order to attain our goal, we must be committed on each and every City project that we are given the opportunity to work on. Thus, the assembled project team is motivated to execute this project efficiently and effectively.

Additional details on our highly qualified staff can be found in Section 2, Corporate History, our Standard Form 330 and Section 3, Corporate Qualifications.

CMA's key personnel and their qualifications for these services is summarized below. For additional details, please see our SF 330 in Section 3, Corporate Qualifications.

Key Personnel	Years Experience	Education	Professional Registration
Jason McClair, P.E., CFM, LEED AP	22	Bachelor of Science / Civil Engineering	FL / Professional Engineer
Peter Moore, P.E., F.ASCE, ENV SP, LEED AP	22	Bachelor of Science / Civil Engineering Master of Engineering / Civil Engineering	FL / Professional Engineer
Jose Acosta, P.E., F.ASCE	20	Masters of Business Administration / Master of Business Administration Bachelor of Science / Civil Engineering Bachelor of Science / Architectural Engineering	FL / Professional Engineer / Natl. Council of Examiners for Eng. & Surveying
Suzanne Dombrowski, P.E., ENV SP	14	Bachelor of Science / Civil Engineering Master of Engineering / Civil Engineering	FL / Professional Engineer
Paula Fonseca, P.E.	10	Bachelor of Science / Civil Engineering	FL / Professional Engineer
Jennifer Smith, P.E.	12	Bachelor of Science / Civil Engineering	FL / Professional Engineer
Daniel Davila, P.E.	19	Bachelor of Science / Civil Engineering	FL / Professional Engineer
Cristobal Betancourt, RLA	23	Bachelor of Science / Landscape Architecture Master of Science / Masters of Urban Design	FL / Registered Landscape Architect

Team Member	City Hall Parking Lot	Holiday Springs Blvd Irrigation	Margate Boulevard Pavement Markings	Margate Dog Park	Dog Park at Firefighters Park	Banks Road Landscape Medians	Margate Boulevard Design and Construction Services	Coconut Creek Parkway	C14 WM Canal Crossing	C14 WM CEI
Jason McClair, P.E., CFM, LEED AP	■		■	■	■	■		■		
Peter Moore, P.E., F.ASCE, ENV SP, LEED AP	■		■				■	■		
Jose Acosta, P.E., F.ASCE										
Suzanne Dombrowski, P.E., ENV SP							■	■	■	
Paula Fonseca, P.E.							■	■	■	■
Jennifer Smith, P.E.	■		■	■	■			■		
Daniel Davila, P.E.										
Cristobal Betancourt, RLA		■		■	■	■				

6. PROFESSIONAL REGISTRATION



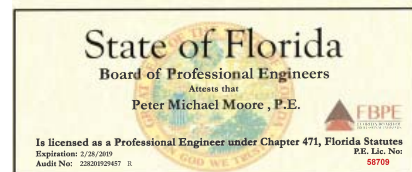
State of FL Professional Engineers License



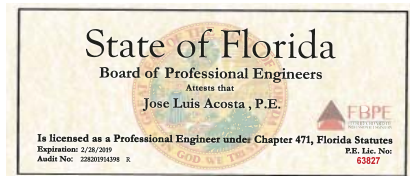
State of FL Professional Landscape Architecture License



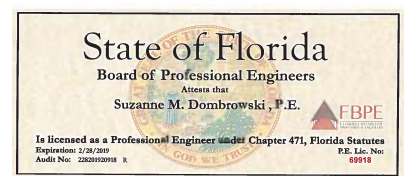
Jason McClair, P.E., CFM, LEED AP



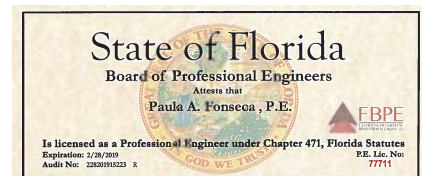
Peter Moore, P.E., F.ASCE, ENV SP, LEED AP



Jose Acosta, P.E., F.ASCE



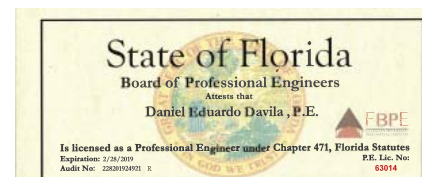
Suzanne Dombrowski, P.E., ENV SP



Paula Fonseca, P.E.



Jennifer Smith, P.E.



Daniel Davila, P.E.



Cristobal Betancourt, RLA

State of Florida Department of State

I certify from the records of this office that CHEN MOORE AND ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on November 7, 1986.

The document number of this corporation is J41454.

I further certify that said corporation has paid all fees due this office through December 31, 2018, that its most recent annual report/uniform business report was filed on January 8, 2018, 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 Eighth day of January, 2018*



Ken Detjen
Secretary of State

Tracking Number: CC9017299572

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

<https://services.sosfl.us/Filings/CertificateOfStatus/CertificateAuthentication>

State of FL Secretary of State Certificate of Corporation



Broward School Board SBE



August 9, 2018

Peter Moore, President
CHEN MOORE AND ASSOCIATES, INC.
500 West Cypress Creek Road, Suite 630
Fort Lauderdale, Florida 33309

Dear Mr. Moore:

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

Group 3 - Highway Design - Roadway

3.1 - Minor Highway Design

3.2 - Major Highway Design

Group 7 - Traffic Operations Design

7.1 - Signing, Pavement Marking and Channelization

7.2 - Lighting

Group 13 - Planning

13.6 - Land Planning/Engineering

Group 15 - Landscape Architect

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2019 for contracting purposes.

Approved Rates						
Home/ Branch Overhead	Field Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expense	Home Direct Expense	Field Direct Expense
156.46%	39.14%	0.398%	Reimbursed	No	3.73%	0.00%*

*Rent and utilities excluded from field office rate. These costs will be directly reimbursed on contracts that require the consultant to provide field office.

www.fdot.gov

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,

Carliayn Kell

Carliayn Kell
Professional Services
Qualification Administrator

FDOT Unlimited Notice of Qualifications



State of Florida
Department of State

I certify from the records of this office that WALKER ENTERPRISES, INC. is a corporation organized under the laws of the State of Florida, filed on February 24, 1992.

The document number of this corporation is V17044.

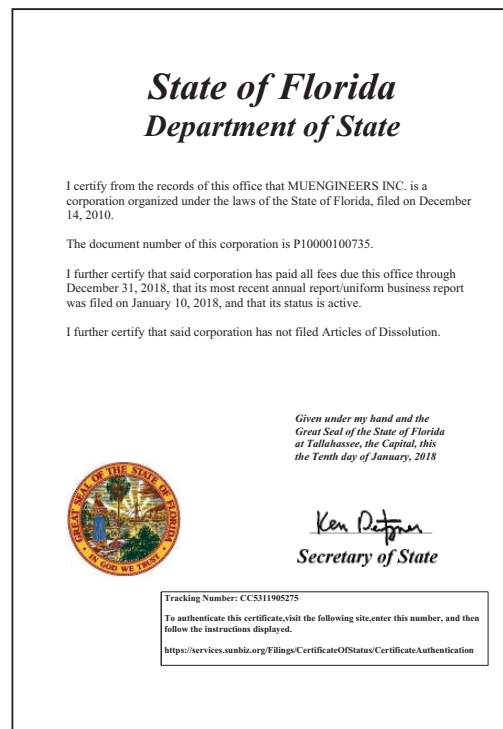
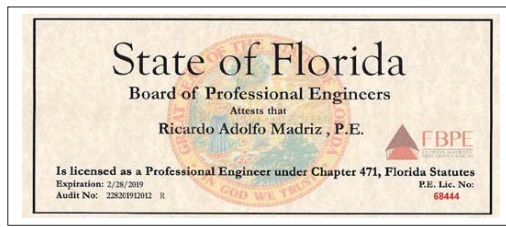
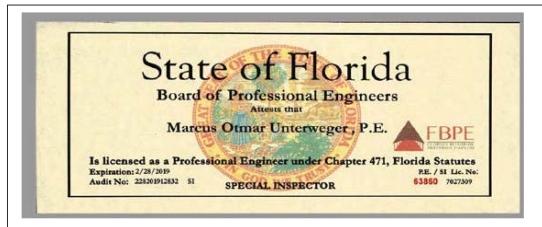
I further certify that said corporation has paid all fees due this office through December 31, 2018, that its most recent annual report/uniform business report was filed on March 12, 2018, and that its status is active.

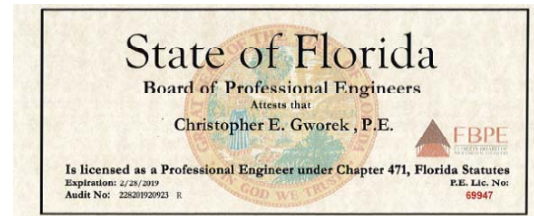
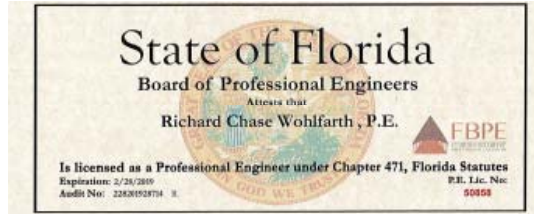
I further certify that said corporation has not filed Articles of Dissolution.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Twelfth day of March, 2018


Ken Detjen
Secretary of State

Tracking Number: CC1382526187
To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.
<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>





PROCUREMENT SERVICES
Cypress Creek Administrative Center
6400 N.W. 64 Way, Fort Lauderdale, FL 33309
Phone: 954-201-7455/Fax: 954-201-7320

OFFICE OF SUPPLIER RELATIONS AND DIVERSITY

May 14, 2018

Kristina Berryman
Nutting Engineers of Florida, Inc.
1310 Neptune Drive
Boynton Beach, FL 33426

Dear Kristina Berryman:

Congratulations! The Broward College Office of Supplier Relations and Diversity is pleased to announce that your firm is now part of the College's Small Disadvantaged Business (SDB) program. The certification certificate received from Palm Beach County (Florida) - Office of Small Business Assistance has been verified in accordance with Broward College's SDB Program requirements. The validation process documents your firm as a certified supplier.

Your firm's validation from Palm Beach County (Florida) - Office of Small Business Assistance will expire on 9/29/2020.

During the certification period, please notify the Office of Supplier Relations and Diversity and your certifying agency immediately of any changes to your information during the certification period, such as: contact information, firm ownership and managerial or operational control.

Broward College provides access to supplier resources and procurement opportunities online at broward.edu/supplierdiversity. This link also gives you access to the Certified Supplier Directory. Should you have any questions, please contact the Office of Supplier Relations and Diversity at (954) 201-7824 or email SDC@broward.edu.

Sincerely,

Broward College Office of Supplier Relations and Diversity

AN EQUAL OPPORTUNITY INSTITUTION



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

REGISTERED VENDOR NO.: 101910

September 3, 2014

Ms. Kristina Berryman, Business Development Manager
Nutting Engineers of Florida, Inc.
1310 Neptune Drive
Boynton Beach, FL 33426

CERTIFICATION EXPIRATION DATE
September 3, 2017

Dear Ms. Berryman:

Congratulations, the South Florida Water Management District (District) has certified your firm as a Small Business Enterprise (SBE). This certification is valid for three (3) years and may only be applied when business is conducted in the following area(s):

Professional Engineering Consulting Services

Your submittal of bids or proposals to supply other products or services outside of the specialty area(s) noted above will not count toward SBE participation. If you require certification in other specialty areas, please contact the Procurement Bureau, SBE Section, for additional information.

Renewal is required every three (3) years and should be requested a minimum of 45 days prior to the above expiration date.

If any changes occur within your company during the certification period such as ownership, affiliate company status, address, telephone number, licensing status, gross revenue, or any information that relates to your SBE Certification status, you must notify this office in writing immediately. It is imperative that we maintain current information on your company at all times. FAILURE TO REPORT CHANGES MAY RESULT IN DECERTIFICATION.

Certification is not a guarantee that your firm will receive work, nor an assurance that your firm will remain in the District's vendor database.

We look forward to a mutually beneficial working relationship.

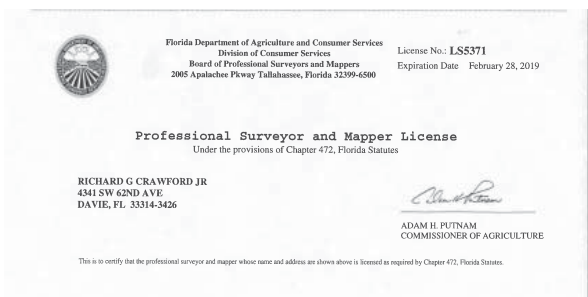
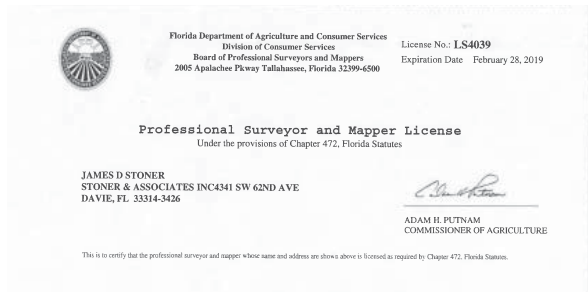
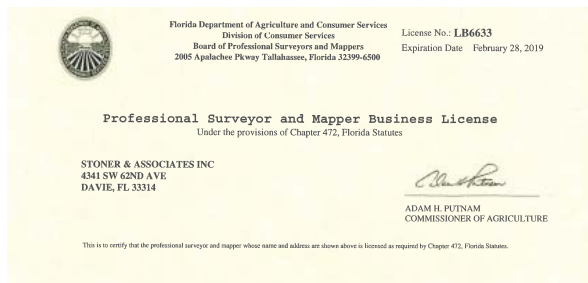
Sincerely,

Colleen M. Robb

Colleen M. Robb
SBE Compliance Specialist
Procurement Bureau

for

3201 Glen Clark Road, West Palm Beach, Florida 33409 • (561) 486-4880 • FL 33426 • 1-800-432-2040
Mailing Address: P.O. Box 24880, West Palm Beach, FL 33424-8880 • www.sfwmd.gov



BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000
VALID OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2019

DBA: **STONER & ASSOCIATES INC** Receipt #: **319-2098**
Business Name: **STONER & ASSOCIATES INC** Business Type: **ALL OTHERS (LAND SURVEYING)**

Owner Name: **JAMES D STONER** Business Opened: **09/01/1988**
Business Location: **4341 SW 62 AVE** State/County/Cert/Reg: **FL50004039**
DAVIE Exemption Code:
Business Phone: **954-585-0997**

Rooms	Seats	Employees	Machines	Professionals
		1		

Tax Amount	Number of Machines:				For Vending Business Only		Total Paid
	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost		
30.00	0.00	0.00	0.00	0.00	0.00	30.00	

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

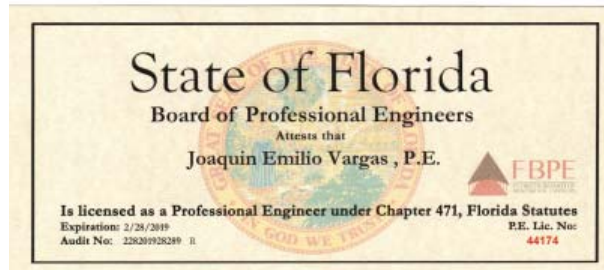
THIS BECOMES A TAX RECEIPT When validated

This tax is levied for the privilege of doing business within Broward County and is non-regulatory in nature. You must meet all County and/or Municipality planning and zoning requirements. This Business Tax Receipt must be transferred when the business is sold, business name has changed or you have moved the business location. This receipt does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.

Mailing Address:
JAMES D STONER
4341 SW 62 AVENUE
DAVIE, FL 33314-3426

Receipt # **HW-17-00157363**
Paid 07/03/2018 30.00

2018 - 2019
BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT



7. PROOF OF INSURANCE



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

1/2/2018

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

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

PRODUCER Lassiter-Ware Insurance of Tampa Bay 1300 N. Westshore Blvd. Suite 110 Tampa FL 33607		CONTACT NAME: Wendy Tyree PHONE (A/C, No, Ext): (800)845-8437 FAX (A/C, No): (888)883-8680 E-MAIL ADDRESS: wendyt@lassiter-ware.com	
INSURED Chen Moore & Associates, Inc. 500 W. Cypress Creek Road Suite 630 Fort Lauderdale FL 33309		INSURER(S) AFFORDING COVERAGE INSURER A: Crum & Forster Specialty Insurance NAIC # 44520 INSURER B: Old Dominion Insurance Co. 40231 INSURER C: INSURER D: INSURER E: INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** 18-19 Cert **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY			EPK120773	1/1/2018	1/1/2019	EACH OCCURRENCE \$ 1,000,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000
	<input checked="" type="checkbox"/> Contractors Pollution						MED EXP (Any one person) \$ 5,000
	GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
B	AUTOMOBILE LIABILITY			B1T2667W	1/1/2018	1/1/2019	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input type="checkbox"/> ANY AUTO						BODILY INJURY (Per person) \$
	<input type="checkbox"/> ALL OWNED AUTOS						BODILY INJURY (Per accident) \$
	<input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident) \$
A	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB			EFX109803	1/1/2018	1/1/2019	PIP-Basic \$ 10,000
	<input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE						EACH OCCURRENCE \$ 5,000,000
	<input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$						AGGREGATE \$ 5,000,000
	<input type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		<input type="checkbox"/> Y <input checked="" type="checkbox"/> N				
A	Professional Liab Limits Included with General Liab			EPK120773 Claims-Made	1/1/2018	1/1/2019	Each Claim \$1,000,000 Aggregate \$2,000,000

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

CERTIFICATE HOLDER ~Evidence of Insurance c/o Chen Moore and Associates, Inc. 500 W. Cypress Creek Road Suite 630 Fort Lauderdale, FL 33309	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 P Schmalz/WENDTY <i>Blanca Irene Schmalz</i>
---	--

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ACORD 25 (2014/01)
INS025 (2014/01)

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
06/08/18

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 Aon Risk Services, Inc of Florida 1001 Brickell Bay Drive, Suite #1100 Miami, FL 33131-4937	CONTACT NAME: Aon Risk Services, Inc of Florida	
	PHONE (A/C, No, Ext): 800-743-8130 FAX (A/C, No): 800-522-7514	
INSURED ADP TotalSource CO XXI, Inc. 10200 Sunset Drive Miami, FL 33173 ALTERNATE EMPLOYER CHEN MOORE & ASSOCIATES, INC. 500 WEST CYPRESS CREEK R, SUITE 630 FORT LAUDERDALE, FL 33309	EMAIL: ADP.COI.Center@Aon.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : New Hampshire Ins Co	23841
	INSURER B :	
	INSURER C :	
	INSURER D :	
INSURER E :		
INSURER F :		

COVERAGES

CERTIFICATE NUMBER: 1971465

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. **LIMITS SHOWN ARE AS REQUESTED.**

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE \$
	<input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence) \$
							MED EXP (Any one person) \$
							PERSONAL & ADV INJURY \$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE \$
	<input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC						PRODUCTS - COMP/OP AGG \$
	<input type="checkbox"/> OTHER						\$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident) \$
	<input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY						BODILY INJURY (Per person) \$
	<input type="checkbox"/> SCHEDULED AUTOS						BODILY INJURY (Per accident) \$
	<input type="checkbox"/> HIRED AUTOS ONLY						PROPERTY DAMAGE (Per accident) \$
							\$
	UMBRELLA LIAB						EACH OCCURRENCE \$
	<input type="checkbox"/> OCCUR						AGGREGATE \$
	EXCESS LIAB						
	<input type="checkbox"/> CLAIMS-MADE						
	DEC						RETENTION \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			WC 047014251 TX	7/1/2018	7/1/2019	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	Y / N	N / A				E.L. EACH ACCIDENT \$ 2,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE \$ 2,000,000
							E.L. DISEASE - POLICY LIMIT \$ 2,000,000

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

All worksite employees working for CHEN MOORE & ASSOCIATES, INC., paid under ADP TOTALSOURCE, INC.'s payroll, are covered under the above stated policy. CHEN MOORE & ASSOCIATES, INC. is an alternate employer under this policy.

CERTIFICATE HOLDER

CHEN MOORE & ASSOCIATES, INC.
500 WEST CYPRESS CREEK R
SUITE 630
FORT LAUDERDALE, FL 33309

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

Aon Risk Services, Inc of Florida

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ACORD 25 (2016/03)

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OFFEROR'S CERTIFICATION

WHEN OFFEROR IS A CORPORATION

IN WITNESS WHEREOF, the Offeror hereto has executed this Proposal Form this 3rd day of October, 2018.

Chen Moore and Associates

Printed Name of Corporation

Florida

Printed State of Incorporation

By: [Signature]

Signature of President or other authorized officer

(CORPORATE SEAL)

Peter Moore, P.E., F.ASCE, ENV SP, LEED AP

Printed Name of President or other authorized officer

ATTEST:

500 West Cypress Creek Road, Suite 630

By [Signature]

Secretary

Address of Corporation

Fort Lauderdale, FL 33309

City/State/Zip

954-730-0707

Business Phone Number

State of Florida

County of Broward

The foregoing instrument was acknowledged before me this 3rd day of October,

2018, by Peter Moore, P.E., F.ASCE, ENV SP, LEED AP (Name), President (Title) of

Chen Moore and Associates

(Company Name) on behalf of the corporation, who is

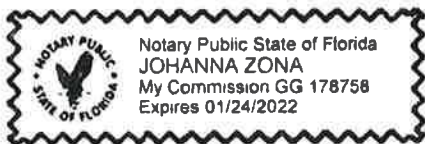
personally known to me or who has produced as identification and who did (did not) take an oath.

WITNESS my hand and official seal.

[Signature]
NOTARY PUBLIC

Johanna Zona

(Name of Notary Public: Print, Stamp, or type as Commissioned)



OFFEROR'S
QUALIFICATION STATEMENT

The undersigned certifies under oath the truth and accuracy of all statements and of all answers to questions made hereinafter:

SUBMITTED TO: City of Margate (Purchasing Manager)

ADDRESS: 5790 Margate Boulevard
Margate, Florida 33063

CIRCLE ONE

SUBMITTED BY: Chen Moore and Associates Corporation
NAME: Peter Moore, P.E., F.ASCE, ENV SP, LEED AP Partnership
ADDRESS: 500 West Cypress Creek Road, Suite 630 Fort Lauderdale, FL 33309 Individual
PRINCIPAL OFFICE: 500 West Cypress Creek Road, Suite 630 Fort Lauderdale, FL 33309 Other

1. State the true, exact, correct and complete name of the partnership, corporation, trade or fictitious name under which you do business and the address of the place of business.

The correct name of the Offeror is: Chen Moore and Associates

The address of the principal place of business is: 500 West Cypress Creek Road, Suite 630 Fort Lauderdale, FL 33309

2. If Offeror is a corporation, answer the following:

a. Date of Incorporation: November 7, 1986

b. State of Incorporation: Florida

c. President's name: Peter Moore, P.E., F.ASCE, ENV SP, LEED AP

d. Vice President's name: Jose Acosta, P.E., F.ASCE; Jason McClair, P.E., CFM, LEED AP

e. Secretary's name: Safiya Brea, P.E., LEED AP

f. Treasurer's name: Jason McClair, P.E., CFM, LEED AP

g. Name and address of Resident Agent: _____

Samuel Zeskind
Weiss Serota Helfman Cole & Bierman, P.L.
2525 Ponce de Leon Blvd. Suite 700
Miami, FL 33134

3. If Offeror is an individual or a partnership, answer the following:

a. Date of organization: N/A

b. Name, address and ownership units of all partners:

c. State whether general or limited partnership:

4. If Offeror is other than an individual, corporation or partnership, describe the organization and give the name and address of principals:

N/A

5. If Offeror is operating under a fictitious name, submit evidence of compliance with the Florida Fictitious Name Statute. N/A

6. How many years has your organization been in business under its present business name? 8

a. Under what other former names has your organization operated?

Chen and Associates Consulting Engineers, Inc.

7. Indicate registration, license numbers or certificate numbers for the businesses or professions which are the subject of this RFQ. Please attach certificate of competency and/or state registration.

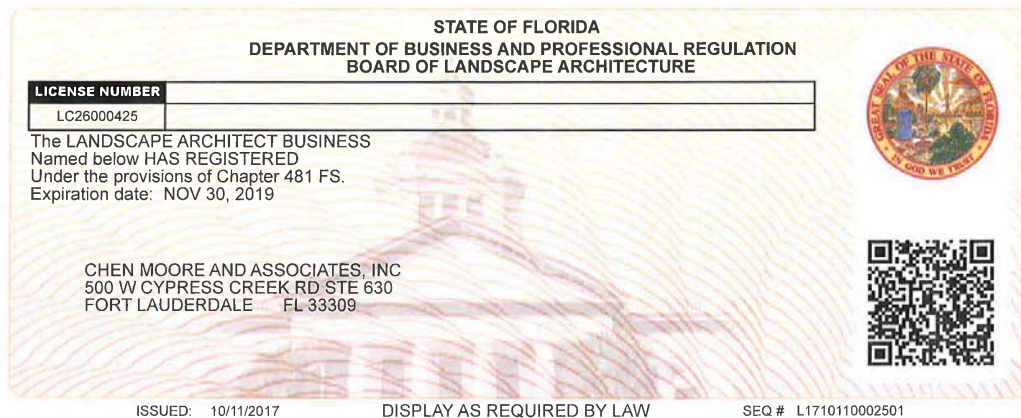
Florida Professional Engineering License: 4593

Landscape Architecture license: LC26000425



RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY



8. Have you ever failed to complete any work awarded to you? If so, state when, where and why?

No.

9. State the names, telephone numbers and last known addresses of three (3) owners, individuals or representatives of owners with the most knowledge of work which you have performed or goods you have provided, and to which you refer (government owners are preferred as references).

Dave Archacki, 2020 Wilton Drive, Wilton Manors, FL 33305 954.390.2190

(name)	(address)	(phone number)
--------	-----------	----------------

Rares Petrica, 100 N. Andrews Avenue, 4th Floor, Fort Lauderdale, FL 33301 954.739.6400

(name)	(address)	(phone number)
--------	-----------	----------------

Rich Michaud, 9551 West Sample Road, Coral Springs, FL 33065 954.344.1165

(name)	(address)	(phone number)
--------	-----------	----------------

10. List the pertinent experience of the key individuals of your organization (continue on insert sheet, if necessary).

Please refer to Section 3 'Corporate Qualifications' for a list of pertinent experience of our key individuals.

11. State the name(s) of the individual(s) who will have personal supervision of the work:

Jason McClair, P.E., CFM, LEED AP (Project Manager)

Peter Moore, P.E., F.ASCE, ENV SP, LEED AP (Principal-in-Charge)

Jose L. Acosta, P.E., F.ASCE (QA/QC)

THE OFFEROR ACKNOWLEDGES AND UNDERSTANDS THAT THE INFORMATION CONTAINED IN RESPONSE TO THIS QUALIFICATIONS STATEMENT SHALL BE RELIED UPON BY OWNER IN AWARDING THE CONTRACT AND SUCH INFORMATION IS WARRANTED BY OFFEROR TO BE TRUE. THE DISCOVERY OF ANY OMISSION OR MISSTATEMENT THAT MATERIALLY AFFECTS THE OFFEROR'S QUALIFICATIONS TO PERFORM UNDER THE CONTRACT SHALL CAUSE THE OWNER TO REJECT THE PROPOSAL, AND IF AFTER THE AWARD TO CANCEL AND TERMINATE THE AWARD AND/OR CONTRACT.

(Signature)

State of Florida

County of Broward

The foregoing instrument was acknowledged before me this 3rd day of

October, 2018, by Peter Moore, P.E., F.ASCE, ENV SP, LEED AP, who is personally

known to me or who has produced _____ as identification and

who did (did not) take an oath.

WITNESS my hand and official seal.

NOTARY PUBLIC

Johanna Zona

(Name of Notary Public: Print, Stamp,
or Type as Commissioned)





NON-COLLUSIVE AFFIDAVIT FOR RFQ 2018-012

State of Florida)

County of Broward) ss:

Peter Moore, P.E., F.ASCE, ENV SP, LEED AP, being first duly sworn,
deposes and says that:

He/she is the Owner (Owner, Partner, Officer, Representative or Agent) of Associates
the Offeror that has submitted the attached Proposal;

He/she is fully informed regarding the preparation and contents of the attached
Proposal and of all pertinent circumstances regarding such Proposal;

Such Proposal is genuine and is not a collusive or sham Proposal;

Neither the Offeror 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 Offeror, firm, or
person to submit a collusive or sham Proposal in connection with the Work for which the
attached Proposal has been submitted; or to refrain from bidding in connection with such
Work; or have in any manner, directly or indirectly, sought by agreement or collusion, or
communication, or conference with any Offeror, firm, or person to fix the price or prices in
the attached Proposal or of any other Offeror, or to fix any overhead, profit, or cost
elements of the Proposal price or the Proposal price of any other Offeror, or to secure
through any collusion, conspiracy, connivance, or unlawful agreement any advantage
against (Recipient), or any person interested in the proposed Work;

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

Signed, sealed, and delivered in the presence of:

Witness

Witness

By

Peter Moore, P.E., F.ASCE, ENV SP, LEED AP

Printed Name

President

Title

7-10



ADDENDUM NO. 1

RFQ NO. 2018-012 CITY OF MARGATE CIVIL ENGINEERING SERVICES

October 4, 2018

TO ALL PROPOSERS:

Please incorporate the following clarifications, amendments, deletions, revisions and modifications into the specification packet for the above referenced project. Clarifications, amendments, deletions, revisions, and modifications form part of the Contract Documents and change the original documents only in the manner and extent stated.

QUESTIONS/CLARIFICATIONS

1. For the section **Corporate Qualifications**: How many pages are the limit for the narrative?

Response:

The City has not specifically set a page limit for the narrative. However, the narrative shall be limited to relevant corporate experience within the last five years and a "short description" of the qualifications of personnel to be assigned.

2. Organizational Chart is to be included under the **Project Team** section. Is this chart also part of the Corporate Qualifications section? Part I, item D includes the Organizational Chart as part of the SF330 Forms.

Response:

The Project Team section does stipulate the required submission of an organizational chart. However, the organizational chart, if included as part of the SF330 forms, is not required to be duplicated in the Project Team section.

3. Section **Professional Registrations** include copies of Certificate of Authorization for the Prime and Subconsultants. Could we include under this section the professional licenses and certifications for the team, including proof of M/WBE certificates?

Response:
Yes

4. City Forms: Are City Forms going to be part of the Corporate Qualification section or as a section by itself?

Response:
The submitter shall have the discretionary option of submitting the required City forms under a separate forms tab or in the Corporate Qualifications section.

5. Can we include subconsultant qualifications as part of our submission for purposes of survey and landscape architecture?

Response:
Yes. You may provide qualifications for subconsultants.

6. In the evaluation criteria there are 25 points for references and recent experiences. Will these references be pulled from the SF330 project sheets or would the City like a separate list of references and if so how many?

Response:
Please refer to item 9 on page 22 of the RFQ packet. Additionally, the Selection and Evaluation Committee may at its discretion choose to contact project owners referred to on the SF330 project sheets.

7. In the evaluation criteria there are 30 points for the Technical approach and Methodology. Which section of the RFQ submission would the City like this to be cover? Or would the City like this to be a separate section?

Response:
Information relative to this topic can be included in the Transmittal Letter and/or Corporate Qualifications sections.

Spencer L. Shambray

Spencer Shambray, CPPB
Purchasing Manager
10/4/2018

The RFP submission deadline remains Tuesday, October 9, 2018 at 11:00 A.M. local time.

Please sign and return the acknowledgment page of this addendum by email or by fax. The original acknowledgement page is to be included with your RFQ response.

ACKNOWLEDGEMENT FORM

ADDENDUM NO. 1

RFQ NO. 2018-012 CITY OF MARGATE CIVIL ENGINEERING SERVICES

I acknowledge receipt of Addendum No. 1 for RFQ No. 2018-012, City of Margate Civil Engineering Services. This addendum contains three (3) pages. Please include the original of this form in your RFQ response.

Company Name: Chen Moore and Associates

Address: 500 W. Cypress Creek Road, Suite 630, Fort Lauderdale, FL 33309

Name of Signer Peter Moore, P.E., F.ASCE, ENV SP, LEED AP
(please print)

Signature:  Date: October 5, 2018

Telephone: 954.730.0707 Facsimile: 954.730.2030

Please fax your completed form to (954) 935-5258 or e-mail to purchase@margatefl.com.

Spencer L. Shambray
Spencer Shambray, CPPB
Purchasing Manager
10/4/2018

The RFQ submission deadline remains Tuesday, October 9, 2018 at 11:00 A.M. local time.

NOTE: The original of this form must be included with your bid submission.



Miami

2103 Coral Way, Suite 401
Miami, FL 33145
Telephone: +1 (786) 497-1500

Ft. Lauderdale (Headquarters)

500 West Cypress Creek Road, Suite 630
Fort Lauderdale, FL 33309
Telephone: +1 (954) 730-0707

West Palm Beach

500 Australian Ave. South, Suite 850
West Palm Beach, FL 33401
Telephone: +1 (561) 746-6900

Orlando

341 N Maitland Avenue Suite 346
Maitland, FL 32751
Telephone: +1 (407) 536-7970

Gainesville

2233 NW 41st A, Suite 100
Gainesville, FL 32606 USA
Telephone: +1 (352) 374-1997