Chen and Associates

Bid Contact **Peter Moore**
pmoore@chenmoore.com
Ph 954-730-0707

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

Supplier Code 274332

Item #	Line Item	Notes	Unit Price	Qty/Unit	Attch.	Docs
PSEN-18-02--01-01	Please submit documents here.	**Supplier Product Code:**	**First Offer -**	1 / each	**Y**	**Y**

Supplier Total $0.00

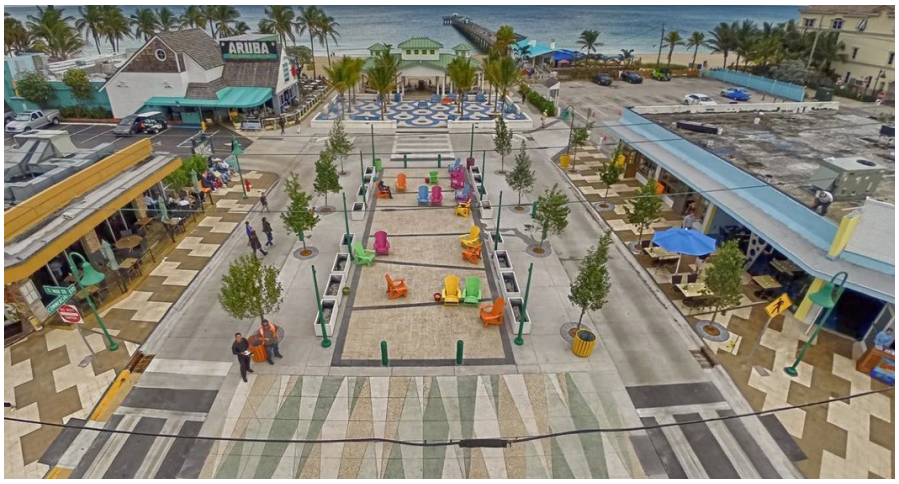
Chen and Associates

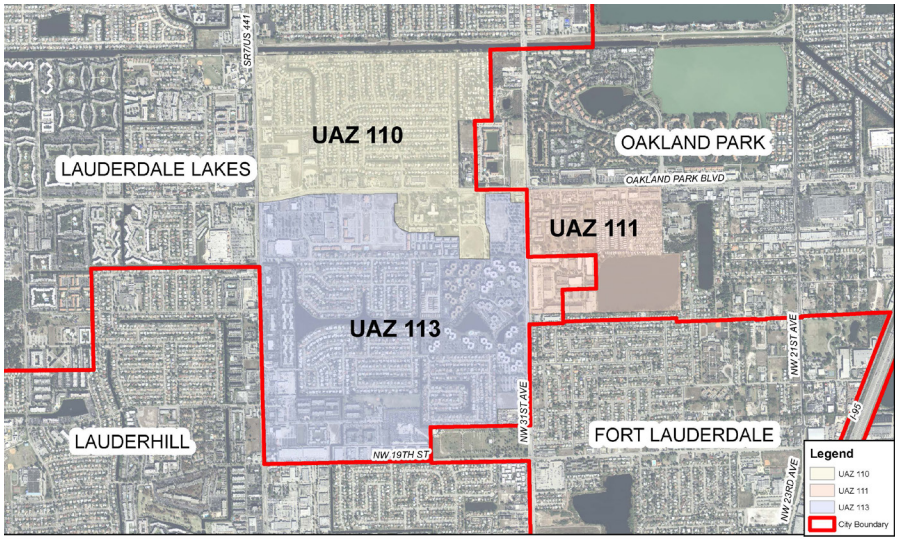
Item: **Please submit documents here.**

Attachments

CMA Submittal.pdf

Professional service Providers (Architectual, Engineering, Surveying & Mapping)
RFQ #PSEN-18-02





Contact: Daniel Davila, P.E.

Project Manager
Telephone: +1 (954) 730-0707
Fax: +1 (954) 730-2030
ddavila@chenmoore.com

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

CHEN•MOORE
&ASSOCIATES

TITLE PAGE

Subject: RFQ #PSEN-18-02 "Professional Service Providers (Architectural, Engineering, Surveying & Mapping) "

1. **Date:** July 24, 2018
2. **Name of Firm:** Chen Moore and Associates
3. **Address of the Local Office:** 500 West Cypress Creek Road, Suite 630, Fort Lauderdale, FL 33309
4. **Telephone Number:** (954) 730-0707
5. **Email Address:** ddavila@chenmoore.com

Title Page

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CHEN·MOORE
&ASSOCIATES

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. Letter of Interest

July 24, 2018

City of Pembroke Pines
Purchasing Division
300 South Palm Drive
Pembroke Pines, FL 33025

Re: Request For Qualifications #PSEN-18-02 Professional Service Providers (Architectural, Engineering, Surveying & Mapping)

Dear Selection Committee,

Chen Moore and Associates (CMA) is pleased to submit our qualifications for the City of Pembroke Pines Professional Service Providers (Architectural, Engineering, Surveying & Mapping) proposal.

Founded in 1986, CMA is a respected Broward-based Civil Engineering and Landscape Architecture firm with over 30 years of extensive experience. Over the course of our history, we have grown to a staff of roughly 70 employees with five offices in Florida to serve our client's needs. We are an FDOT SBE firm. Our firm holds many continuing services contracts in Broward County and throughout South Florida for many municipalities and with every major utility in South Florida. CMA has the key local project experience that directly correlates with the scope of work for this project. Our current experience as a prime consultant with The City of Pembroke Pines includes the US 27 Watermain Design Criteria Package project. Chen Moore's history with the City of Pembroke Pines goes back 30 years as the City was one of our first clients.

Collectively the CMA Team for this RFP has been responsible for dozens of civil engineering and landscape architecture projects. We have designed hundreds of miles of municipal utility infrastructure, neighborhood improvements, roadway improvements including, drainage systems, streetscape, pedestrian pathways and countless landscape enhancements, traffic calming and roundabouts. We have designed private development projects which included lakes and wetlands design and permitting, environmental remediation, site planning and client representation including resolution drafting and public involvement. The CMA team fully understands that the scope of services for this RFP includes a variety of civil engineering and landscape architecture services and is committed to providing our expertise to ensure a successful project.

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 Miami office staff and our West Palm Beach office staff. Leading our team is ***Peter Moore, P.E., F. ASCE, ENV SP, LEED AP*** as principal-in-charge. Mr. Moore will combine his experience, engineering expertise and key relationships to bring maximum value to the City of Pembroke Pines ***Daniel Davila, P.E.*** Mr. Davila was selected for this contract for his extensive design experience in the public and private sector which include hundreds of miles of utility infrastructure projects, pump stations, potable water storage tanks, canal bank restoration projects and stormwater design, and ***Safiya Brea, P.E., LEED AP*** for QA/QC services. Mrs. Brea has been the Project Manager for some of the largest utility and neighborhood improvement projects in Broward County and has over 16 years of experience with public sector clients. A team of qualified subconsultants will assist these professionals. They include the following: via planning for traffic engineering and studies, GFA International for geological engineering, environmental and hydrologic studies and CECOS Environmental Consulting for environmental and wetland mitigation services.

In the pages that follow, please find our qualifications for this contract including our recent, current and projected workload of the firm 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

Your Trusted Advisor for Infrastructure and Planning Needs

Chen Moore and Associates Workload	
Project Name	Percent Complete
Project Long Name: 3BC Septic Tank Elimination Analysis Memo	57
Project Long Name: ANA 0055 - BCHBMD Truck Washout	47
Project Long Name: Avondale Stormwater Improvements	90
Project Long Name: Basin 8 Future Developement Analysis	36
Project Long Name: Bayshore Drive Intracoastal Crossing Forcemain TO 2	10
Project Long Name: BC Potable Water Storage Tanks TO 7-Site 1B1	6
Project Long Name: BC Potable Water Storage Tanks TO 7-Site 3A	3
Project Long Name: BCWWS NRWWTP Facilities	42
Project Long Name: Boca Chica/NAS Key West Pump Station & FM Extension	78
Project Long Name: Boulevard of Champions Improvement Concepts	87
Project Long Name: Broward County UAZ 110/111 & 113 Water Sewer Improvements 110/111	41
Project Long Name: Broward County UAZ 110/111 & 113 Water Sewer Improvements 113A	16
Project Long Name: Broward County UAZ 110/111 & 113 Water Sewer Improvements 113B	49
Project Long Name: City Engineeering Services	37
Project Long Name: Coral Springs Westside Maintenance Master Plan Study	2
Project Long Name: Dog Park at Firefighters Park	79
Project Long Name: FLL North Runway Pavement Rehabilitation	35
Project Long Name: Flood Plain Management Program	62
Project Long Name: Forcemain Upsize From D-36 to D-35 TO 3	13
Project Long Name: FXE Parcel 21B Parking	51
Project Long Name: GIS Map Updates	73
Project Long Name: Golf Cart Storage Facility	83
Project Long Name: Hillsboro Beach Water Main Replacement Design/Construction Administration	84
Project Long Name: KA17-03 District 3A Septic Tank Elimination Program Area 3A-H	61
Project Long Name: Lift Station #12 Replacement Project	8
Project Long Name: Lift Station #6 Replacement	81
Project Long Name: Lift Station & Force Main Analysis	10
Project Long Name: NE 26th Street Improvements	54
Project Long Name: NE 6th Avenue Water Main Replacement	29
Project Long Name: New River Bridge - Ph III ANA 0029	32
Project Long Name: Old Pompano Area Improvements	64
Project Long Name: Pompano Beach Water Main Replacement	2
Project Long Name: Pop Travers Park Renovation	53
Project Long Name: Sabal Pines Park	40
Project Long Name: SBBC- Charles W Flanagan High School-GOB Renovations	70
Project Long Name: SBBC- Margate Elementary Schl-GOB Rnvtns	64
Project Long Name: SBBC Pinewood Elementary School - CSA 10	61
Project Long Name: SBBC Plantation High School SMART Program - CSA 11	20
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2. STANDARD FORM 330 (PARTS I AND II)

ARCHITECT – ENGINEER QUALIFICATIONS

PART I – CONTRACT SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*
Pembroke Pines Professional Service Providers (Architectural, Engineering, Surveying & Mapping)

2. PUBLIC NOTICE DATE
June 27, 2018

3. SOLICITATION OR PROJECT NUMBER
#PSEN-18-02

B. ARCHITECT - ENGINEER POINT OF CONTACT

4. NAME AND TITLE
Daniel Davila, P.E., Sr. Engineer/Fort Lauderdale Branch Manager

5. NAME OF FIRM
Chen Moore and Associates

6. TELEPHONE NUMBER
(954) 730-0707 x1085

7. FAX NUMBER
(954) 730-2030

8. E-MAIL ADDRESS
ddavila@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.	**X**			Chen Moore and Associates **[X]** CHECK IF BRANCH OFFICE	500 West Cypress Creek Road Suite 630 Fort Lauderdale, FL 33309	General Civil and Environmental Engineering Services/Landscape Architecture
b.			**X**	via planning **[ ]** CHECK IF BRANCH OFFICE	2101 W Commercial Blvd Suite 3200 Fort Lauderdale, FL 33309	Traffic Engineering and Studies
c.			**X**	GFA International **[ ]** CHECK IF BRANCH OFFICE	1215 Wallace Drive Delray Beach, FL 33444	Geotechnical Engineering, Environmental and Hydrologic Studies
d.			**X**	CECOS Environmental Consulting **[ ]** CHECK IF BRANCH OFFICE	3001 SW 15th Street Suite B Deerfield Beach, FL 33442	Environmental and Wetland Mitigation Services
e.				CHECK IF BRANCH OFFICE		
f.				CHECK IF BRANCH OFFICE		

D. ORGANIZATIONAL CHART OF PROPOSED TEAM **[X]** *(Attached)*

Organizational Chart

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

Project Manager
Daniel Davila, P.E.

QA/QC
Safiya Brea, P.E., LEED AP

Civil and Environmental Engineering

Utilities Engineering ~ Jennifer Smith, P.E.; Daniel Davila, P.E.
Surface Water Management/Drainage ~ Jason McClair, P.E., CFM, LEED AP
Roadway ~ Jose Acoatosta, P.E.; Patrick Kaimrajh, P.E.
Construction Administration ~ Jose McCray
Reports & Miscellaneous ~ Greg Mendez, P.E.

Landscape Architecture

Landscape Architecture ~
Cris Betancourt, RLA; Eric Harrison, RLA
Irrigation Design ~ Stefan Bortak, CID
Arborist Services ~ Amber Mathis, C.A.

Support Staff

Traffic Engineering ~
Thuha Nguyen Lyew, P.E.; Shing Tsoi, P.E.
Geotechnical Engineering, Environmental and Hydrologic Studies ~
Frederick Kaub, P.G., L.A.C.; Carlos Mercado, M.S., P.E.
Environmental & Wetland Mitigation Services ~
Mark Clark, M.S., CEP; Jenna Santangelo

Subconsultants

State of FL MBE- 1
FDOT SBE 2
FDOT DBE 3
Broward County CBE/SBE - 4

via planning 1,2,3, 4
GFA International
CECOS Environmental Consulting 1, 3

Standard Form 330 (Parts I and II)

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
Daniel Davila, P.E.	Project Manager/Utilities	19	7

15. FIRM NAME AND LOCATION *(City and State)*
Chen Moore and Associates, Fort Lauderdale, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
Bachelor of Science / Civil Engineering	FL / Professional Engineer

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Mr. Davila has experience on numerous private and public clients that range from residential developers, industrial developers, municipalities, federal agencies, hospitals, universities and educational institutions. His experience includes planning and design of stormwater systems, water and wastewater facilities, facilities planning, utilities master planning, infrastructure renewal, roadway design and construction management. 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.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Broward County UAZ 110/111 & 113 Water Sewer Improvements 113B
Lauderdale Lakes, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If applicable)*: Ongoing

(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

b.

(1) TITLE AND LOCATION *(City and State)*
Ft Lauderdale FM Rehab, HDD & Swageline (1-4)
Fort Lauderdale, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2018
CONSTRUCTION *(If applicable)*: 2018

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

[X] Check if project performed with current firm

Project Manager. 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 (MPC) 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. Fee $ 887,295 Cost $ 14M

c.

(1) TITLE AND LOCATION *(City and State)*
Ft Lauderdale Fire Station 8
Ft Lauderdale, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2017
CONSTRUCTION *(If applicable)*: Ongoing

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

[X] Check if project performed with current firm

Sr. Engineer. 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

d.

(1) TITLE AND LOCATION *(City and State)*
Stormwater Master Plan Modeling and Design Implementation
Ft Lauderdale, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If applicable)*: Ongoing

(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. Cost $ 13M Fee $ 812,799

e.

(1) TITLE AND LOCATION *(City and State)*
Lift Station & Force Main Analysis
North Lauderdale, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If applicable)*: Ongoing

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

[X] Check if project performed with current firm

Project Manager. CMA is providing engineering services to develop a hydraulic model for the City of North Lauderdale forcemain network. The hydraulic model will be used to analyze the flow conditions within the forcemain network under various lift station operating conditions and to identify potential modifications to the lift stations. Modification will improve the systems efficiency and decrease operational and maintenance costs. Modeling of the City's infrastructure will entail analysis of approximately 11 miles of forcemain infrastructure and 28 lift station stations. During the modeling analysis CMA will develop various system improvement alternatives and review possible activities to alleviate the peak pressures within the forcemain network. The hydraulic model will analyze the effectiveness of proposed improvement alternatives to the existing system. CMA shall also prioritize the need for each system improvement alternative based on the results of the analysis. Fee $ 102,980.00

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	
		a. TOTAL	b. WITH CURRENT FIRM
Peter Moore, P.E., F.ASCE, ENV SP, LEED AP	Principal-in-Charge	20	18

15. FIRM NAME AND LOCATION *(City and State)*
Chen Moore and Associates, Fort Lauderdale, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
Bachelor of Science / Civil Engineering Master of Engineering / Civil Engineering	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

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Broward County UAZ 110/111 & 113 Water Sewer Improvements 113B Lauderdale Lakes, FL	Ongoing	Ongoing

(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

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Ft Lauderdale FM Rehab, HDD & Swageline (1-4) Fort Lauderdale, FL	2018	2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — **[X]** Check if project performed with current firm

Sr. Engineer. 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 (MPC) 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. Fee $ 887,295 Cost $ 14M

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Lauderdale-by-the-Sea E. Commercial Blvd Streetscape & Drainage Improvements Lauderdale-by-the-Sea, FL	2012	2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — **[X]** Check if project performed with current firm

Sr. Engineer. CMA provided utility coordination; roadway and stormwater design; government permitting; and bidding assistance for the development of the design of streetscape and stormwater improvements to the downtown core and adjacent areas east of Bougainvilla Drive in the Town of Lauderdale by the Sea. CMA used GIS to assist with utility coordination and base map preparation; assisting with the design concepts and cost estimates; recommending alternatives for paving design for the roadway and pedestrian traffic areas; prepared initial roadway alignment plan; prepared initial drainage and utility relocation plans; completed a stormwater design model; submitted for government permits; and provided bidding assistance for this project. Fee $74,000; Cost $1,870,000

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Stormwater Master Plan Modeling and Design Implementation Ft Lauderdale, FL	Ongoing	Ongoing

(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. Cost $ 13M Fee $ 812,799

e.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Dixie Highway Improvements Wilton Manors, FL	2014	2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — **[X]** Check if project performed with current firm

Sr. Engineer. The City of Wilton Manors retained CMA to design a roadway improvement along a portion of North Dixie Highway within the City limits. The intention of the project was to implement the following elements along North Dixie Highway within the project limits: Install new bicycle lanes along the corridor on both sides of roadway. Install new curbing and gutter to accommodate new roadway section. Install new pedestrian sidewalks to accommodate new roadway section. Install pedestrian level lighting along new sidewalk as allowed by adjacent private property. Install limited landscaping in available right of way areas along corridor. Modify existing drainage facilities to accommodate new roadway section. Fee $ 128,390

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
Safiya Brea, P.E., LEED AP	QA/QC	17	16

15. FIRM NAME AND LOCATION *(City and State)*
Chen Moore and Associates, Fort Lauderdale, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
Bachelor of Science / Civil Engineering	FL / Professional Engineer

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Ms. Brea has over 16 years of experience with neighborhood improvement projects, including the design of roadways, sidewalks, drainage, water and wastewater infrastructure. As a senior civil engineer, she has managed projects ranging from thousands of dollars to multi-million dollar, large-scale neighborhood improvement programs. Ms. Brea has managed and designed streetscape improvements, roundabouts, lift station, stormwater improvements and master plans, and booster station basis of design reports. Her duties include construction management, managing GIS and Autocad design work, Cascade modeling, sewer modeling, and report preparation for municipalities throughout South Florida.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Broward County UAZ 110/111 & 113 Water Sewer Improvements 113B
Lauderdale Lakes, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If applicable)*: Ongoing

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

[X] Check if project performed with current firm

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) TITLE AND LOCATION *(City and State)*
Downtown Coral Springs Streetscaping
Coral Springs, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2015
CONSTRUCTION *(If applicable)*: 2015

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

[X] Check if project performed with current firm

Sr. Engineer. CMA was contracted by the City of Coral Springs to assist the Coral Springs CRA in the planning, design, permitting and construction support of various streetscaping improvements in Downtown Coral Springs. As the prime consultants, CMA provided civil engineering, landscape architecture, environmental permitting and construction engineering and inspection services for the project. The project included implementing Complete Street concepts for NW 31st Court, NW 94th Avenue and NW 32nd Street. Fee 235,739.98 Cost $ 4.1 Million

c.

(1) TITLE AND LOCATION *(City and State)*
Westside Park Baseball Field
Deerfield Beach, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2014
CONSTRUCTION *(If applicable)*: 2014

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

[X] Check if project performed with current firm

Sr. Engineer. 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. CMA was responsible for providing survey, geotechnical, site planning, civil engineering, landscape architecture, MEP and structural engineering services. Fee $ 181,565 Cost $ 1.6 Million

d.

(1) TITLE AND LOCATION *(City and State)*
Miramar - Lift Station Rehab of #5, #13
Miramar, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2005
CONSTRUCTION *(If applicable)*: 2005

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

[X] Check if project performed with current firm

Sr. Engineer. CMA provided design services for the rehabilitation of two lift stations for the City of Miramar. Lift Station #5 is being cleaned and relined along with adding an additional force main. Lift Station #13 is being totally rehabilitated including a switch from suction lift to submersible pumps. The purpose of the Lift Station 13 Rehabilitation Project was to directly connect the lift station to the city's backbone force main system, which would eliminate the repumping of effluent through Lift Station 6. The project included the installation of a new submersible pump station to replace the existing dry pit pump station, which was undersized. The installation of 8-inch force main (4,700 LF) west along Utopia Drive was required to connect to existing 18-inch force main along Miramar Parkway near the intersection with University Drive. Cost $ 1,115,000 Fee $ 547,000

e.

(1) TITLE AND LOCATION *(City and State)*
Lauderdale-By-The-Sea Stormwater Master Plan
Lauderdale by the Sea, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2010
CONSTRUCTION *(If applicable)*: N/A

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

[X] Check if project performed with current firm

Sr. Engineer. CMA completed the Stormwater Master Plan for the Town of Lauderdale-by-the-Sea. The project area includes approximately 640 acres of land which are separated into 1,618 properties, which encompasses approximately 1.5 square miles of land area. The purpose of this Stormwater Master Plan was to: Identify any deficiencies in the existing stormwater management system, recommend system improvements to meet regulatory level of service criteria, Provide an estimated cost to construct these upgrades to the stormwater management system. This project included the following tasks: Gathering all existing information available from previous drainage plans, utility atlases, regulatory permits, reports, and studies, Confirming accuracy for use in the existing conditions model, Updating the digital stormwater atlas in GIS, Utilizing LIDAR data to create a TIN surface model of the Town limits , Collecting resident complaints in regards to flooding, Preparing the existing conditions model with Interconnected Pond Routing (ICPR) Software dentifying areas with flooding issues, Recommending and prioritizing stormwater improvements. Fee $ 89,241

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
Jennifer Smith, P.E.	Utility Engineering	12	12

15. FIRM NAME AND LOCATION *(City and State)*
Chen Moore and Associates, Fort Lauderdale, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
Bachelor of Science / Civil Engineering	FL / Professional Engineer

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Ms. Smith is currently serving as a senior engineer 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

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Broward County UAZ 110/111 & 113 Water Sewer Improvements 113B Lauderdale Lakes, FL	Ongoing	Ongoing

(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

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Master Lift Station # 11 Wilton Manors, FL	2013	2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — **[X]** Check if project performed with current firm

Sr. Engineer. CMA prepared design plans and technical specifications for the proposed replacement of Master Lift Station 11 for the City of Wilton Manors. The project involves the installation of new wetwell with new submersible pumps along with associated valve vault, flow meter, control panel components, and a new emergency generator. It serves as the master pump station for the City of Wilton Manors by receiving all sanitary flow from the City limits and pumping to the force main network of the City of Fort Lauderdale for disposal and treatment. Lift Station 11 currently has 75 HP pumps in a “canned” dry pit configuration which is housed in a concrete masonry block structure. Due to the age of the facility along with the inadequate pumping capacity, the City of Wilton Manors wishes to replace Lift Station 11 to ensure adequate pumping capacity in the future. Fee $ 64,410

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Stormwater Master Plan Modeling and Design Implementation Ft Lauderdale, FL	Ongoing	Ongoing

(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. Cost $ 13M Fee $ 812,799

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Downtown Coral Springs Streetscaping Coral Springs, FL	2015	2015

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — **[X]** Check if project performed with current firm

Sr. Engineer. CMA was contracted by the City of Coral Springs to assist the Coral Springs CRA in the planning, design, permitting and construction support of various streetscaping improvements in Downtown Coral Springs. As the prime consultants, CMA provided civil engineering, landscape architecture, environmental permitting and construction engineering and inspection services for the project. The project included implementing Complete Street concepts for NW 31st Court, NW 94th Avenue and NW 32nd Street. Fee 235,739.98 Cost $ 4.1 Million

e.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Dixie Highway Improvements Wilton Manors, FL	2014	2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — **[X]** Check if project performed with current firm

Sr. Engineer. The City of Wilton Manors retained CMA to design a roadway improvement along a portion of North Dixie Highway within the City limits. The intention of the project was to implement the following elements along North Dixie Highway within the project limits: Install new bicycle lanes along the corridor on both sides of roadway. Install new curbing and gutter to accommodate new roadway section. Install new pedestrian sidewalks to accommodate new roadway section. Install pedestrian level lighting along new sidewalk as allowed by adjacent private property. Install limited landscaping in available right of way areas along corridor. Modify existing drainage facilities to accommodate new roadway section. Fee $ 128,390

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
Jason McClair, P.E., CFM, LEED AP	Surface Water/Management Drainage	22	17

15. FIRM NAME AND LOCATION *(City and State)*
Chen Moore and Associates, Fort Lauderdale, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
Bachelor of Science / Civil Engineering	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

a.

(1) TITLE AND LOCATION *(City and State)*
Broward County UAZ 110/111 & 113 Water Sewer Improvements 113B
Lauderdale Lakes, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If applicable)*: Ongoing

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

[X] Check if project performed with current firm

Principal. 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) TITLE AND LOCATION *(City and State)*
Ft Lauderdale FM Rehab, HDD & Swageline (1-4)
Fort Lauderdale, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2018
CONSTRUCTION *(If applicable)*: 2018

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

[X] Check if project performed with current firm

Principal. 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 (MPC) 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. Fee $ 887,295 Cost $ 14M

c.

(1) TITLE AND LOCATION *(City and State)*
Lauderdale-by-the-Sea E. Commercial Blvd Streetscape & Drainage Improvements
Lauderdale-by-the-Sea, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2012
CONSTRUCTION *(If applicable)*: 2013

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

[X] Check if project performed with current firm

Sr. Engineer. CMA provided utility coordination; roadway and stormwater design; government permitting; and bidding assistance for the development of the design of streetscape and stormwater improvements to the downtown core and adjacent areas east of Bougainvilla Drive in the Town of Lauderdale by the Sea. CMA used GIS to assist with utility coordination and base map preparation; assisting with the design concepts and cost estimates; recommending alternatives for paving design for the roadway and pedestrian traffic areas; prepared initial roadway alignment plan; prepared initial drainage and utility relocation plans; completed a stormwater design model; submitted for government permits; and provided bidding assistance for this project. Fee $74,000; Cost $1,870,000

d.

(1) TITLE AND LOCATION *(City and State)*
Stormwater Master Plan Modeling and Design Implementation
Ft Lauderdale, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If applicable)*: Ongoing

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

[X] Check if project performed with current firm

Principal/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. Cost $ 13M Fee $ 812,799

e.

(1) TITLE AND LOCATION *(City and State)*
Dixie Highway Improvements
Wilton Manors, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2014
CONSTRUCTION *(If applicable)*: 2014

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

[X] Check if project performed with current firm

Principal/Project Manager. The City of Wilton Manors retained CMA to design a roadway improvement along a portion of North Dixie Highway within the City limits. The intention of the project was to implement the following elements along North Dixie Highway within the project limits: Install new bicycle lanes along the corridor on both sides of roadway. Install new curbing and gutter to accommodate new roadway section. Install new pedestrian sidewalks to accommodate new roadway section. Install pedestrian level lighting along new sidewalk as allowed by adjacent private property. Install limited landscaping in available right of way areas along corridor. Modify existing drainage facilities to accommodate new roadway section. Fee $ 128,390

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
Jose Acosta, P.E., F.ASCE	Roadway Engineering	19	7

15. FIRM NAME AND LOCATION *(City and State)*
Chen Moore and Associates, Miami, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
Master 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

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Mr. Acosta has over 19 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

a.

(1) TITLE AND LOCATION *(City and State)*
Broward County UAZ 110/111 & 113 Water Sewer Improvements 113B
Lauderdale Lakes, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If applicable)*: Ongoing

(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

b.

(1) TITLE AND LOCATION *(City and State)*
Ft Lauderdale FM Rehab, HDD & Swageline (1-4)
Fort Lauderdale, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2018
CONSTRUCTION *(If applicable)*: 2018

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

[X] Check if project performed with current firm

Sr. Engineer. 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 (MPC) 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. Fee $ 887,295 Cost $ 14M

c.

(1) TITLE AND LOCATION *(City and State)*
Lauderdale-by-the-Sea E. Commercial Blvd Streetscape & Drainage Improvements
Lauderdale-by-the-Sea, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2012
CONSTRUCTION *(If applicable)*: 2013

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

[X] Check if project performed with current firm

Project Manager. CMA provided utility coordination; roadway and stormwater design; government permitting; and bidding assistance for the development of the design of streetscape and stormwater improvements to the downtown core and adjacent areas east of Bougainvilla Drive in the Town of Lauderdale by the Sea. CMA used GIS to assist with utility coordination and base map preparation; assisting with the design concepts and cost estimates; recommending alternatives for paving design for the roadway and pedestrian traffic areas; prepared initial roadway alignment plan; prepared initial drainage and utility relocation plans; completed a stormwater design model; submitted for government permits; and provided bidding assistance for this project. Fee $74,000; Cost $1,870,000

d.

(1) TITLE AND LOCATION *(City and State)*
Stormwater Master Plan Modeling and Design Implementation
Ft Lauderdale, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If applicable)*: Ongoing

(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. Cost $ 13M Fee $ 812, 799

e.

(1) TITLE AND LOCATION *(City and State)*
North 64th Avenue Widening & Utility Improvements
Hollywood, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2015
CONSTRUCTION *(If applicable)*: 2015

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

[X] Check if project performed with current firm

Project Manager. CMA provided engineering services for the Seminole Tribe of Florida, Public Works Department and Construction Management Department for the North 64th Avenue Roadway Widening and Utility Improvements. The Project widens North 64th Avenue approximately 10" 6" to the east to make room for a proposed right-of-way dividing wall between the City of Hollywood and the STOF's Hollywood Reservation. The project also includes the extension of a proposed 16" water main, stormwater improvements, fire access considerations on both sides of the proposed wall, hardscape/landscape improvements, locating a proposed guardhouse and the relocating of an existing City of Hollywood sanitary lift station that serves a segment of the existing residential community in the vicinity as well as the STOF Headquarters Building. Fee $ 117,450

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
Patrick Kaimrajh, P.E.	Roadway Engineering	9	6

15. FIRM NAME AND LOCATION *(City and State)*
Chen Moore and Associates, Miami, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
Bachelor of Science / Civil Engineering	FL / Professional Engineer

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Mr. Kaimrajh, P.E. serves as a senior engineer for CMA and specializes in civil engineering design, drafting, permitting, and construction inspection. His 9 years of design experience includes paving, drainage and stormwater management, sanitary sewer and stormwater pump stations, water main, site development, and neighborhood improvement projects. He has prepared engineering drawings, cost evaluations, design reports and various permit applications. In addition, Mr. Kaimrajh has performed construction inspections for drainage, watermain, sanitary sewer, and pavement. He also is skilled in AutoCAD Civil3D, ICPR, EPA SWMM, Cascade, HY-8, WaterCAD, SewerCAD, and StormCAD, modeling and design software.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Broward County UAZ 110/111 & 113 Water Sewer Improvements 113B
Lauderdale Lakes, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If applicable)*: Ongoing

(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

b.

(1) TITLE AND LOCATION *(City and State)*
Ft Lauderdale FM Rehab, HDD & Swageline (1-4)
Fort Lauderdale, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2018
CONSTRUCTION *(If applicable)*: 2018

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

[X] Check if project performed with current firm

Sr. Engineer. 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 (MPC) 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. Fee $ 887,295 Cost $ 14M

c.

(1) TITLE AND LOCATION *(City and State)*
Lauderdale-by-the-Sea E. Commercial Blvd Streetscape & Drainage Improvements
Lauderdale-by-the-Sea, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2012
CONSTRUCTION *(If applicable)*: 2013

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

[X] Check if project performed with current firm

Sr. Engineer. CMA provided utility coordination; roadway and stormwater design; government permitting; and bidding assistance for the development of the design of streetscape and stormwater improvements to the downtown core and adjacent areas east of Bougainvilla Drive in the Town of Lauderdale by the Sea. CMA used GIS to assist with utility coordination and base map preparation; assisting with the design concepts and cost estimates; recommending alternatives for paving design for the roadway and pedestrian traffic areas; prepared initial roadway alignment plan; prepared initial drainage and utility relocation plans; completed a stormwater design model; submitted for government permits; and provided bidding assistance for this project. Fee $74,000; Cost $1,870,000

d.

(1) TITLE AND LOCATION *(City and State)*
Stormwater Master Plan Modeling and Design Implementation
Ft Lauderdale, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If applicable)*: Ongoing

(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. Cost $ 13M Fee $ 812,799

e.

(1) TITLE AND LOCATION *(City and State)*
Downtown Coral Springs Streetscaping
Coral Springs, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2015
CONSTRUCTION *(If applicable)*: 2015

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

[X] Check if project performed with current firm

Sr. Engineer. CMA was contracted by the City of Coral Springs to assist the Coral Springs CRA in the planning, design, permitting and construction support of various streetscaping improvements in Downtown Coral Springs. As the prime consultants, CMA provided civil engineering, landscape architecture, environmental permitting and construction engineering and inspection services for the project. The project included implementing Complete Street concepts for NW 31st Court, NW 94th Avenue and NW 32nd Street. Fee 235,739.98 Cost $ 4.1 Million

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
Jose McCray	Construction Engineering	37	6

15. FIRM NAME AND LOCATION *(City and State)*
Chen Moore and Associates, Miami, FL

16. EDUCATION *(Degree and Specialization)*

17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Mr. McCray is a senior inspector for Chen Moore and Associates. Mr. McCray has over 35 years of construction experience, from surveying through project management. His present responsibilities include coordination and monitoring of construction activities including governmental projects and site development for residential, commercial and industrial use projects. He serves as liaison to owners, contractors, subcontractors, residents and governmental agencies. Additional responsibilities include overseeing the review/processing of change orders, progress payments and reports, and representation of owners and engineers at pre-construction meetings and other related conferences.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Ft Lauderdale FM Rehab, HDD & Swageline (1-4)
Fort Lauderdale, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2018
CONSTRUCTION *(If applicable)*: 2018

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

[X] Check if project performed with current firm

Sr. Construction Specialist. 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 (MPC) 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. Fee $ 887,295 Cost $ 14M

b.

(1) TITLE AND LOCATION *(City and State)*
Downtown Coral Springs Streetscaping
Coral Springs, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2015
CONSTRUCTION *(If applicable)*: 2015

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

[X] Check if project performed with current firm

Sr. Construction Specialist. CMA was contracted by the City of Coral Springs to assist the Coral Springs CRA in the planning, design, permitting and construction support of various streetscaping improvements in Downtown Coral Springs. As the prime consultants, CMA provided civil engineering, landscape architecture, environmental permitting and construction engineering and inspection services for the project. The project included implementing Complete Street concepts for NW 31st Court, NW 94th Avenue and NW 32nd Street. Fee 235,739.98 Cost $ 4.1 Million

c.

(1) TITLE AND LOCATION *(City and State)*
Pompano Beach Stormwater Master Plan
Pompano Beach, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2012
CONSTRUCTION *(If applicable)*: N/A

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

[X] Check if project performed with current firm

Sr. Construction Specialist. CMA prepared a Stormwater Master Plan for the entire City of Pompano Beach limits, which encompasses approximately 24.6 square miles. The City operates and maintains its own stormwater facilities within City right-of-way and properties to provide flood control and water quality treatment within the City limits. Existing drainage facilities within the City include catch basins, manholes, control structures, gravity pipes, outfalls, and canals that connect to the Intracoastal Waterway. The purpose of this SWMP was to identify any deficiencies in the existing stormwater management system in regard to flood control and water quality treatment. The SWMP will allow the City to understand the necessary drainage improvements over the next few years and to budget accordingly. Cost $ 1,241,360 Fee $ 1,261,000

d.

(1) TITLE AND LOCATION *(City and State)*
Aviation Blvd Roadway & Hardscape Improvements
Marathon, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If applicable)*: Ongoing

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

[X] Check if project performed with current firm

Sr. Construction Specialist. CMA will assist in the preparation of roadway and hardscape plans for over two miles of Aviation Boulevard including a segment of 107th Street which is adjacent to the regional airport in the City of Marathon. The project considers the shift of the existing roadway centerline to accommodate a shared 8â€™ shared path that includes specialty lighting, hardscape elements including benches, pavers and landscaping at various areas along the road. Traffic calming elements including speed humps are being implemented. The project also includes geometric modifications to the roadway along with considerations for existing utilities and stormwater. Fee $ 116,000

e.

(1) TITLE AND LOCATION *(City and State)*
NW 44th Street Bikepath Construction Engineering Inspection
Sunrise, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2018
CONSTRUCTION *(If applicable)*: 2018

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

[X] Check if project performed with current firm

Sr. Construction Specialist. CMA is providing construction administration services for the NW 44th Street Bikepath project. The project consists of a proposed bikeway along both sides of NW 44th Street from NW 117th Avenue to Pine Island Road in Sunrise, FL. The project includes pavement restoration, pavement widening, turn lane improvements and stormwater improvements. The project is being funded by FDOT and is identified as LAP Project - FM# 433209-1-58-01. CMA will provide general observation of the work and verification of system testing. Fee $ 129,154.28

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
Gregory Mendez, P.E.	Reports and Miscellaneous	20	3

15. FIRM NAME AND LOCATION *(City and State)*
Chen Moore and Associates, Miami, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
Bachelor of Science / Architectural Engineering	FL / Professional Engineer

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Mr. Mendez has more than 20 years of civil engineering experience in site and infrastructural development type projects for public and private facilities. He has extensive utilities design experience and is also very experienced with fast track projects. His experience includes water, drainage and sewer designs, design reviews, managing designs and construction budgets, managing field inspection staff and managing client relations.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Broward County UAZ 110/111 & 113 Water Sewer Improvements 113B
Lauderdale Lakes, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If applicable)*: Ongoing

(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

b.

(1) TITLE AND LOCATION *(City and State)*
Stormwater Master Plan Modeling and Design Implementation
Ft Lauderdale, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If applicable)*: Ongoing

(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. Cost $ 13M Fee $ 812,799

c.

(1) TITLE AND LOCATION *(City and State)*
NMB-Highland Drive Roadway Improvements
N Miami Beach, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If applicable)*: Ongoing

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

[X] Check if project performed with current firm

Project Manager. CMA is providing civil engineering services for the Highlands Drive Roadway Improvements project for the City of North Miami Beach, Florida. The scope includes designing and reconstructing Highlands Drive, from Biscayne Blvd, south to the interface with the new roundabout currently in design by CMA. The proposed roadway reconstruction will include two-lane divided boulevard section, appropriate drainage system, landscaping and irrigation. CMA will coordinate the topographic survey, geotechincal exploration, site reconnaissance and utility conditions; prepare construction documents; acquire permitting and approvals; oversee bidding assistance; and provide limited construction administration support services. Fee $ 64,425

d.

(1) TITLE AND LOCATION *(City and State)*
NMB-NE 180th Dr- Roundabout
N Miami Beach, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2016
CONSTRUCTION *(If applicable)*: 2016

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

[X] Check if project performed with current firm

Project Manager. CMA provided civil engineering services as the primary consultant for this traffic calming and neighborhood beautification project located at the intersection of NE 178th Street and NE 180th Drive. The project included new paving, grading, minor drainage improvements, signage, striping and landscaping. The project considered the amount and type of vehicular movements through the area to arrive at an appropriate design that would both allow even the largest vehicles frequenting this intersection to traverse safely while providing a significant reduction in average speeds. The roundabout was designed with close input from City staff and residents alike. Cost $ 141,000 Fee $ 14,500

e.

(1) TITLE AND LOCATION *(City and State)*
MDWASD PSIP # 0614 Improvement
Miami, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2017
CONSTRUCTION *(If applicable)*: 2017

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

[X] Check if project performed with current firm

Project Manager. Pump Station (PS) 0614 is a wet well pump station and is located in a mainly commercial area. Chen Moore and Associates was responsible for the design criteria to upgrade Pump Station 0614 to obtain a Miami Dade RER permit to carry out the project. The upgrade consisted of the installation of larger submersible pumps in the wet well which will bring PS 0614 into compliance with the peak flow criteria and Consent Decree regulations. Cost $ 541,879 Fee $ 25,952.39

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
Cristobal Betancourt, RLA	Landscape Architecture	23	7

15. FIRM NAME AND LOCATION *(City and State)*
Chen Moore and Associates, West Palm Beach, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
Bachelor of Science / Landscape Architecture Master of Science / Masters of Urban Design	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

a.

(1) TITLE AND LOCATION *(City and State)*
Stormwater Master Plan Modeling and Design Implementation
Ft Lauderdale, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If applicable)*: Ongoing

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

[X] Check if project performed with current firm

Landscape Architect. 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. Cost $ 13M Fee $ 812,799

b.

(1) TITLE AND LOCATION *(City and State)*
Downtown Coral Springs Streetscaping
Coral Springs, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2015
CONSTRUCTION *(If applicable)*: 2015

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

[X] Check if project performed with current firm

Project Manager. CMA was contracted by the City of Coral Springs to assist the Coral Springs CRA in the planning, design, permitting and construction support of various streetscaping improvements in Downtown Coral Springs. As the prime consultants, CMA provided civil engineering, landscape architecture, environmental permitting and construction engineering and inspection services for the project. The project included implementing Complete Street concepts for NW 31st Court, NW 94th Avenue and NW 32nd Street. Fee 235,739.98 Cost $ 4.1 Million

c.

(1) TITLE AND LOCATION *(City and State)*
Westside Park Baseball Field
Deerfield Beach, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2014
CONSTRUCTION *(If applicable)*: 2014

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

[X] Check if project performed with current firm

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. CMA was responsible for providing survey, geotechnical, site planning, civil engineering, landscape architecture, MEP and structural engineering services. Fee $ 181,565 Cost $ 1.6 Million

d.

(1) TITLE AND LOCATION *(City and State)*
Dixie Highway Improvement Project Streetscape Plan
Fort Lauderdale, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2012
CONSTRUCTION *(If applicable)*: 2013

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

[X] Check if project performed with current firm

Project Manager. CMA developed a streetscape master plan for Dixie Highway in the Middle River Terrace Neighborhood of Fort Lauderdale, Florida. CMA was contracted by the City to work with the local homeowner's association who received a grant to fund the development of a complete streets master plan. The neighborhood was developed prior to many current planning and zoning standards being implemented in the City, as a result, the community has concerns about unsafe conditions for pedestrians and bicyclists due to unregulated land development patterns. CMA is developing the master plan to include pedestrian and bike trails, to narrow the width of the travel ways, and to add hardscape and landscape beautification, including the development of gateway features into the neighborhood. In order to facilitate the master plan, CMA analyzed the area with regard to current zoning and right of way conditions and conducting field studies at different times of the day to understand on the ground conditions that are affecting resident safety. The Project requires coordination with the City of Fort Lauderdale and District 4 of the Florida Department of Transportation. Cost $ 3,300,000 Fee $ 17,550

e.

(1) TITLE AND LOCATION *(City and State)*
Hillsboro Blvd-SR7 to Florida Turnpike
Coconut Creek, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2017
CONSTRUCTION *(If applicable)*: 2017

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

[X] Check if project performed with current firm

Principal Project Manager. Hillsboro Boulevard Median Improvements (FDOT D4). Prepared construction documents for the landscape beautification along Hillsboro Blvd. The Plans were prepared for the City of Coconut Creek to enhancing the existing landscape on Hillsboro Boulevard between SR7/441 to Florida Turnpike/SR91. These improvements are limited to the medians only and include creating gateways into the City, defining hierarchy of cross streets, overall beautification, irrigation and irrigation pump replacement. Fee $ 19,000

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Eric Harrison, RLA	Landscape Architecture	15	5

15. FIRM NAME AND LOCATION *(City and State)*
Chen Moore and Associates, West Palm Beach, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
Bachelor of Science / Landscape Architecture Associate of Arts /	FL / Registered Landscape Architect

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Mr. Harrison has over 16 years of landscape architecture experience with several municipalities throughout South Florida. He has provided design services for parks and recreation, university campuses, K-12 education, corporate office, commercial developments and healthcare facilities.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Stormwater Master Plan Modeling and Design Implementation
Ft Lauderdale, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If applicable)*: Ongoing

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

[X] Check if project performed with current firm

Landscape Architect. 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. Cost $ 13M Fee $ 812,799

b.

(1) TITLE AND LOCATION *(City and State)*
Broward County UAZ 110/111 & 113 Water Sewer Improvements 113B
Lauderdale Lakes, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If applicable)*: Ongoing

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

[X] Check if project performed with current firm

Landscape Architect. 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

c.

(1) TITLE AND LOCATION *(City and State)*
Downtown Coral Springs Streetscaping
Coral Springs, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2015
CONSTRUCTION *(If applicable)*: 2015

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

[X] Check if project performed with current firm

Landscape Architect. CMA was contracted by the City of Coral Springs to assist the Coral Springs CRA in the planning, design, permitting and construction support of various streetscaping improvements in Downtown Coral Springs. As the prime consultants, CMA provided civil engineering, landscape architecture, environmental permitting and construction engineering and inspection services for the project. The project included implementing Complete Street concepts for NW 31st Court, NW 94th Avenue and NW 32nd Street. Fee 235,739.98 Cost $ 4.1 Million

d.

(1) TITLE AND LOCATION *(City and State)*
Westside Park Baseball Field
Deerfield Beach, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2014
CONSTRUCTION *(If applicable)*: 2014

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

[X] Check if project performed with current firm

Landscape Architect. 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. CMA was responsible for providing survey, geotechnical, site planning, civil engineering, landscape architecture, MEP and structural engineering services. Fee $ 181,565 Cost $ 1.6 Million

e.

(1) TITLE AND LOCATION *(City and State)*
Hillsboro Blvd-SR7 to Florida Turnpike
Coconut Creek, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2017
CONSTRUCTION *(If applicable)*: 2017

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

[X] Check if project performed with current firm

Landscape Architect. Hillsboro Boulevard Median Improvements (FDOT D4). Prepared construction documents for the landscape beautification along Hillsboro Blvd. The Plans were prepared for the City of Coconut Creek to enhancing the existing landscape on Hillsboro Boulevard between SR7/441 to Florida Turnpike/SR91. These improvements are limited to the medians only and include creating gateways into the City, defining hierarchy of cross streets, overall beautification, irrigation and irrigation pump replacement. Fee $ 19,000

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Marc Bortak, CID	Irrigation Design	13	7

15. FIRM NAME AND LOCATION *(City and State)*
Chen Moore and Associates, West Palm Beach, FL

16. EDUCATION *(Degree and Specialization)*
Bachelor of Science / Interdisciplinary Studies

17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Mr. Bortak is a certified irrigation designer – commercial for Chen Moore and Associates. He has over 13 years of experience with all aspects of irrigation consulting, design, details and specifications. He prepares landscape, hardscape, and irrigation plans from concept to construction documents; irrigation distribution plans; water use permits; water use analysis; LEED documentation and calculations. Mr. Bortak also performs construction administration, shop drawing review, and inspections. He is responsible for producing plan and section renderings and graphics, and realistic 3D renderings and fly-through videos.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Master Lift Station # 11
Wilton Manors, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2013
CONSTRUCTION *(If applicable)*: 2013

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

[X] Check if project performed with current firm

Landscape Designer. CMA prepared design plans and technical specifications for the proposed replacement of Master Lift Station 11 for the City of Wilton Manors. The project involves the installation of new wetwell with new submersible pumps along with associated valve vault, flow meter, control panel components, and a new emergency generator. It serves as the master pump station for the City of Wilton Manors by receiving all sanitary flow from the City limits and pumping to the force main network of the City of Fort Lauderdale for disposal and treatment. Lift Station 11 currently has 75 HP pumps in a "canned" dry pit configuration which is housed in a concrete masonry block structure. Due to the age of the facility along with the inadequate pumping capacity, the City of Wilton Manors wishes to replace Lift Station 11 to ensure adequate pumping capacity in the future. Fee $ 64,410

b.

(1) TITLE AND LOCATION *(City and State)*
Dixie Highway Improvements
Wilton Manors, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2014
CONSTRUCTION *(If applicable)*: 2014

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

[X] Check if project performed with current firm

Landscape Designer. The City of Wilton Manors retained CMA to design a roadway improvement along a portion of North Dixie Highway within the City limits. The intention of the project was to implement the following elements along North Dixie Highway within the project limits: Install new bicycle lanes along the corridor on both sides of roadway. Install new curbing and gutter to accommodate new roadway section. Install new pedestrian sidewalks to accommodate new roadway section. Install pedestrian level lighting along new sidewalk as allowed by adjacent private property. Install limited landscaping in available right of way areas along corridor. Modify existing drainage facilities to accommodate new roadway section. Fee $ 128,390

c.

(1) TITLE AND LOCATION *(City and State)*
Fort Lauderdale Beach Park
Fort Lauderdale, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2012
CONSTRUCTION *(If applicable)*: 2012

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

[X] Check if project performed with current firm

Landscape Designer. The purpose of this project was to provide the restoration and enhancement of the City-owned 6.5-acre "South Beach" parking lot, located along SR A1A, south of Las Olas Boulevard. The scope of work includes bringing the parking lot into ADA compliance per requirements of consent decree, replacing a deteriorating low profile wall and sidewalk approximately 2100 feet in length, replacing existing lighting with turtle-compliant fixtures, and designing additional landscaping. Chen Moore and Associates prepared the required DRC submittal, which included all required public purpose approvals, as well as a conceptual layout of a new entrance at the southern end of the parking lot. This project was a joint effort between various City departments, including the City of Fort Lauderdale Beach Community Redevelopment Agency and Parking Services. CMA coordinated the pre-construction historical site review. Cost $ 3,400,000 Fee 198,780

d.

(1) TITLE AND LOCATION *(City and State)*
Downtown Coral Springs Streetscaping
Coral Springs, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2015
CONSTRUCTION *(If applicable)*: 2015

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

[X] Check if project performed with current firm

Landscape Designer. CMA was contracted by the City of Coral Springs to assist the Coral Springs CRA in the planning, design, permitting and construction support of various streetscaping improvements in Downtown Coral Springs. As the prime consultants, CMA provided civil engineering, landscape architecture, environmental permitting and construction engineering and inspection services for the project. The project included implementing Complete Street concepts for NW 31st Court, NW 94th Avenue and NW 32nd Street. Fee 235,739.98 Cost $ 4.1 Million

e.

(1) TITLE AND LOCATION *(City and State)*
Westside Park Baseball Field
Deerfield Beach, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2014
CONSTRUCTION *(If applicable)*: 2014

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

[X] Check if project performed with current firm

Landscape Designer. 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. CMA was responsible for providing survey, geotechnical, site planning, civil engineering, landscape architecture, MEP and structural engineering services. Fee $ 181,565 Cost $ 1.6 Million

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
Amber Mathis, CA	Arborist Services	4	1

15. FIRM NAME AND LOCATION *(City and State)*
Chen Moore and Associates, West Palm Beach, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
Bachelor of Science / Landscape Architecture	

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Ms. Mathis is a certified arborist and a landscape designer in CMA's West Palm Beach office. Her previous experience includes serving as a Horticulturist for the City of Gainesville where she developed and implemented the City of Gainesville's tree planting programs; coordinated the installation and maintenance of young trees on City property; supervised assigned employees; inspected tree removal permits; assisted in shade tree inspections for new development; assisted with Code Enforcement inquiries regarding tree regulations; coordinated with the CRA and the Public Works Department on capital improvement projects to include design, development and inspection; and wrote, coordinated and oversaw professional service contracts.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Stormwater Master Plan Modeling and Design Implementation Ft Lauderdale, FL	Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — **[X]** Check if project performed with current firm

Landscape Designer. 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. Cost $ 13M Fee $ 812,799

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Broward County UAZ 110/111 & 113 Water Sewer Improvements 113B Lauderdale Lakes, FL	Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — **[X]** Check if project performed with current firm

Landscape Designer. 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

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Old Pompano Area Improvements Pompano Beach, FL	Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — **[X]** Check if project performed with current firm

Landscape Designer. CMA will assist in the preparation of roadway and hardscape plans for over two miles of Aviation Boulevard including a segment of 107th Street which is adjacent to the regional airport in the City of Marathon. The project considers the shift of the existing roadway centerline to accommodate a shared 8â€™ shared path that includes specialty lighting, hardscape elements including benches, pavers and landscaping at various areas along the road. Traffic calming elements including speed humps are being implemented. The project also includes geometric modifications to the roadway along with considerations for existing utilities and stormwater. Fee $ 116,000

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Aviation Blvd Roadway & Hardscape Improvements Marathon, FL	Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — **[X]** Check if project performed with current firm

Landscape Architect. CMA will assist in the preparation of roadway and hardscape plans for over two miles of Aviation Boulevard including a segment of 107th Street which is adjacent to the regional airport in the City of Marathon. The project considers the shift of the existing roadway centerline to accommodate a shared 8â€™ shared path that includes specialty lighting, hardscape elements including benches, pavers and landscaping at various areas along the road. Traffic calming elements including speed humps are being implemented. The project also includes geometric modifications to the roadway along with considerations for existing utilities and stormwater. Fee $ 116,000

e.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Avondale Stormwater Improvements Pompano Beach, FL	Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — **[X]** Check if project performed with current firm

Landscape Designer. 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. Since this neighborhood discharges into the SFWMD G-16 Canal, which is currently listed as an impaired water body by the Florida Department of Environmental Protection, the level of water quality improvements is critical to enable the potential implementation of a new stormwater improvements within the Avondale neighborhood. Fee $ 285,025

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

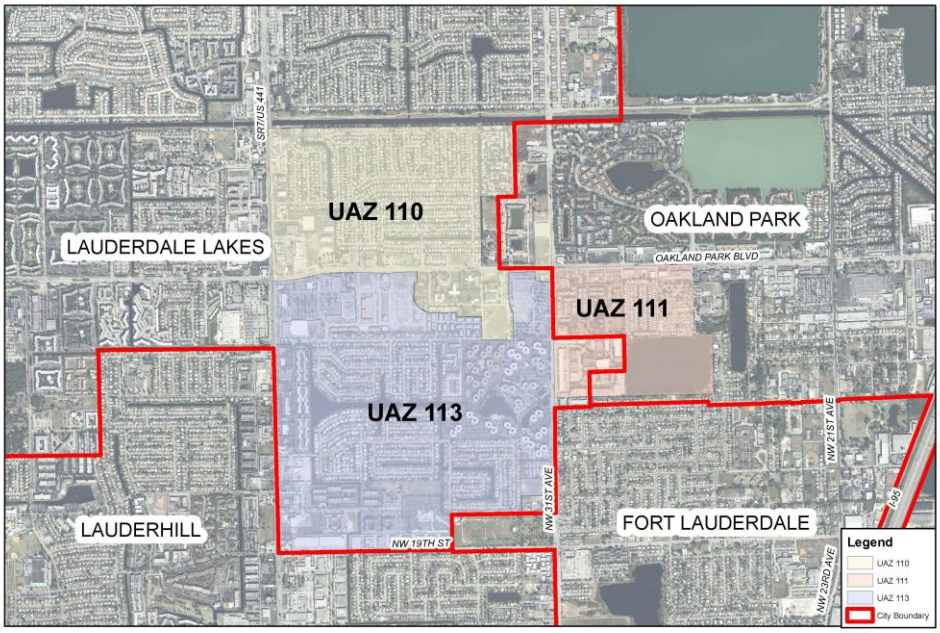
21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Broward County UAZ 110/111 & 113 Water Sewer Improvements 113B Lauderdale Lakes, FL	ongoing	ongoing

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Broward County	Patrick MacGregor	(954) 831-0904

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

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. The existing water main consists of asbestos cement, cast iron, ductile iron, galvanized steel, polyvinyl chloride pipe ranging from 2" - 24" in diameter size. The sanitary sewer consists of vitrified clay, fold and form liner, cured in place liner and ductile iron pipe ranging from 8" – 15" in diameter size. The force main consists of asbestos cement, cured in place liner, ductile iron and polyvinyl chloride pipe ranging from 6" – 16" in diameter size. There are 8 Broward County lift stations in these UAZ areas and 1 private lift station which sanitary sewer systems will need to connect to. Two of these stations will need rehabilitation/replacement, the extent of rehabilitation of existing stations will be determined. The restoration of roadways, sidewalks, driveways, and landscape areas will need to be performed as needed for water and sanitary sewer improvement construction. Fee: $3,544,729.24



BCWWS UAZ 110, 111 & 113
Exhibit I - A
Location Map

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

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

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)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Ft Lauderdale FM Rehab, HDD & Swageline (1-4) Fort Lauderdale, FL	2018	2018

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Fort Lauderdale	Richard Crow	(954) 842-4771

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

Chen Moore and Associates (CMA) was 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 (MPC) 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. Fee: 887,295; Cost: $14 million

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

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

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)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Lauderdale-by-the-Sea E. Commercial Blvd Streetscape & Drainage Improvements Lauderdale-by-the-Sea, FL	2012	2013

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Jaime Correa and Associates	Jaime Correa	786-412-3947

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

Chen Moore and Associates provided utility coordination; roadway and stormwater design; government permitting; and bidding assistance for the development of the design of streetscape and stormwater improvements to the downtown core and adjacent areas east of Bougainvilla Drive in the Town of Lauderdale by the Sea.

The goals of this project were to create an urban gathering place that provides beautiful vistas of the sea, provides increased shade from the intense sun and heat, enhances the pedestrian environment and safety while maintaining vehicular access to the businesses located on the street and improving vehicular circulation and parking, provides for expansion of outdoor dining areas, and pays tribute to the Town's history.

Chen Moore and Associates used GIS to assist with utility coordination and base map preparation; assisting with the design concepts and cost estimates; recommending alternatives for paving design for the roadway and pedestrian traffic areas; prepared initial roadway alignment plan; prepared initial drainage and utility relocation plans; completed a stormwater design model; submitted for government permits; and provided bidding assistance for this project. Fee: $74,000; Cost: $1,870,000

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

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

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

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

20. EXAMPLE PROJECT KEY NUMBER: 4

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Stormwater Master Plan Modeling and Design Implementation Ft Lauderdale, FL	ongoing	ongoing

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Hazen & Sawyer	Robert Taylor	(561) 997-8070

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

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. A combination of multiple improvements to the stormwater management system have been developed to alleviate the existing flooding issues within the Victoria Park neighborhood. The proposed stormwater improvements within the Victoria Park neighborhood include separate alternatives for the eastern and western portions of the neighborhood. Within the western portions of the Victoria Park neighborhood, the proposed stormwater improvements consist of installing additional pipe interconnectivity of various existing independent drainage networks located throughout the neighborhood, installing new exfiltration trench, and completing limited roadway swale restoration where feasible. Within the easter portions of the Victoria Park neighborhood, the proposed improvements consist of interconnecting 6 independent positive outfalls into the Middle River, installing new backflow prevention, and adding a new stormwater pump station. The proposed stormwater improvements within the Victoria Park neighborhood are estimated to be approximately $13 million in construction costs. Fee: $812,799

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

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

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)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Dixie Highway Improvements Wilton Manors, FL	2014	2014

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Wilton Manors	David Archacki	(954) 390-2190

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

The City of Wilton Manors retained Chen Moore and Associates to design a roadway improvement along a portion of North Dixie Highway within the City limits. The project was partially funded by FDOT through their Local Agency Program (LAP). The project limits included the public right of way of North Dixie Highway from the bridge at the City limits on the south to the Five Points intersection with Wilton Drive/NE26 Street on the north. This section of North Dixie Highway includes approximately 2,200 linear feet of roadway within public right of way which varies between 50 feet and 60 feet wide. The intention of the project was to implement the following elements along North Dixie Highway within the project limits:

- Install new bicycle lanes along the corridor on both sides of roadway
- Install new curbing and gutter to accommodate new roadway section
- Install new pedestrian sidewalks to accommodate new roadway section
- Install pedestrian level lighting along new sidewalk as allowed by adjacent private property
- Install limited landscaping in available right of way areas along corridor
- Modify existing drainage facilities to accommodate new roadway section

In order to implement new bicycle lanes along Dixie Highway, the roadway cross section was modified along the majority of the project limits. The modified roadway cross section was wider than the existing roadway cross section, which required the removal of some existing curbing and sidewalks along with the relocation of some existing drainage facilities. The configuration of the driveway access to private properties, especially within the north portion of the project, limited the implementation of all project elements in these areas due to pull in parking. Fee: $128,390

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

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

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

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

20. EXAMPLE PROJECT KEY NUMBER: 6

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Downtown Coral Springs Streetscaping Coral Springs, FL	2015	2015

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Coral Springs	Danielle Lima	(954) 344-1165

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

Chen Moore and Associates was contracted by the City of Coral Springs to assist the Coral Springs CRA in the planning, design, permitting and construction support of various streetscaping improvements in Downtown Coral Springs. As the prime consultants, CMA provided civil engineering, landscape architecture, environmental permitting and construction engineering and inspection services for the project.

The project included implementing Complete Street concepts for NW 31st Court, NW 94th Avenue and NW 32nd Street. Additionally, CMA implemented the culverting of the canal along NW 31st court to provide space for a linear park, currently called the "Art Walk",

which is an important pedestrian connection between the downtown pathways project and The Walk development. Finally, the project includes the implementation of turn lanes along Sample Road, median improvements in Sample Road and minor improvements to adjacent alleyways and pedestrian pathways.

Overall, the project improves the walkable nature of Downtown Coral Springs, while tying together various aesthetic elements in advance of the City Hall project sited adjacent to them projects. Fee: $235,739.98; Cost: $4.1 million

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

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

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

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

20. EXAMPLE PROJECT KEY NUMBER: 7

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Westside Park Baseball Field Deerfield Beach, FL	2014	2014

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Deerfield Beach	Kara Petty	(954) 480-4483

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

Chen Moore and Associates 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. The project also included general improvements to the park around the baseball fields including better pedestrian access, ADA parking and sidewalk improvements, native landscaping, outdoor seating areas and stormwater improvements. The project is located in an underserved community of Deerfield Beach and provides access to improved parks and recreation services for the community. The project was funded through a Community Development Block Grant. Fee: $181,565; Cost: $1.6 million

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

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

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

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

20. EXAMPLE PROJECT KEY NUMBER: 8

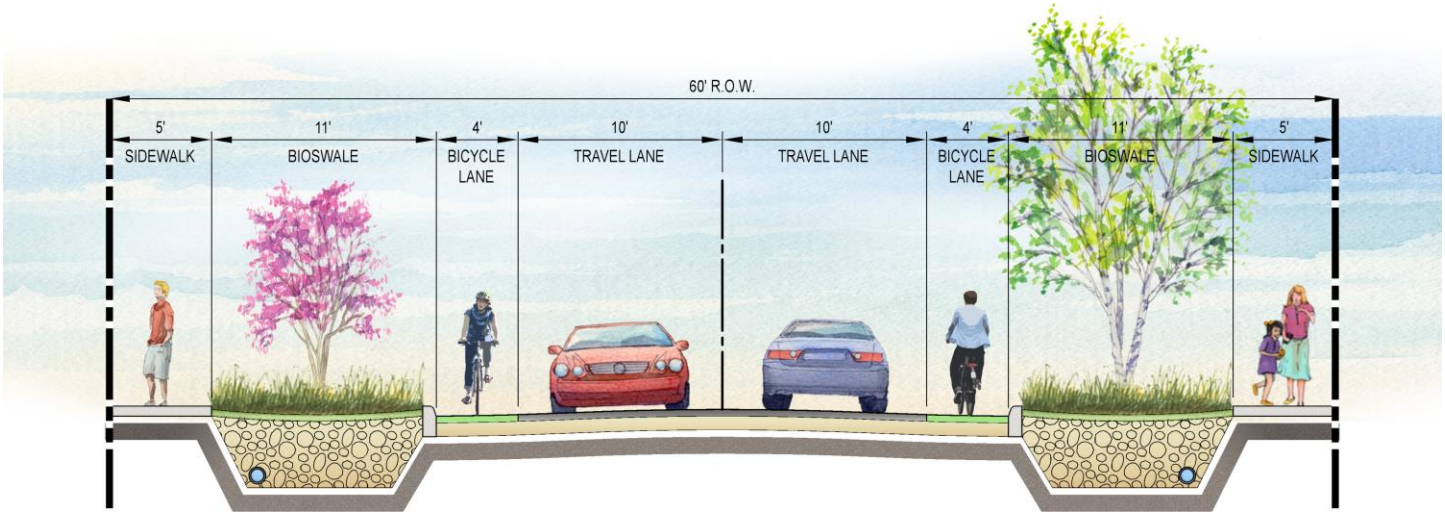
21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Dixie Highway Improvement Project Streetscape Plan Fort Lauderdale, FL	2012	2013

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Fort Lauderdale	Louis LaFaurie	(954) 828-6538

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

Chen Moore and Associates developed a streetscape master plan for Dixie Highway in the Middle River Terrace Neighborhood of Fort Lauderdale, Florida. CMA was contracted by the City to work with the local homeowners association who received a grant to fund the development of a complete streets master plan. The neighborhood was developed prior to many current planning and zoning standards being implemented in the City, as a result, the community has concerns about unsafe conditions for pedestrians and bicyclists due to unregulated land development patterns. CMA is developing the master plan to include pedestrian and bike trails, to narrow the width of the travel ways, and to add hardscape and landscape beautification, including the development of gateway features into the neighborhood. In order to facilitate the master plan, CMA analyzed the area with regard to current zoning and right of way conditions and conducting field studies at different times of the day to understand on the ground conditions that are affecting resident safety. The Project requires coordination with the City of Fort Lauderdale and District 4 of the Florida Department of Transportation. Fee: $17,550; Cost: $3.3 million



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

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

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

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

20. EXAMPLE PROJECT KEY NUMBER: 9

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Hillsboro Blvd-SR7 to Florida Turnpike Coconut Creek, FL	2017	2017

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Coconut Creek	Brian Rosen	(954) 545-6614

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

Prepared construction documents for the landscape beautification along Hillsboro Blvd. The Plans were prepared for the City of Coconut Creek to enhancing the existing landscape on Hillsboro Boulevard between SR7/441 to Florida's Turnpike/SR91. These improvements are limited to the medians only and include creating gateways into the City, defining hierarchy of cross streets, overall beautification, irrigation and irrigation pump replacement. Fee: $19,000

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

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

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)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
University Dr-NW 40th to Sawgrass Expressway Sunrise, FL	ongoing	ongoing

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
State of Florida Department of Transportation-Turnpike	Colette Moss	(800) 375-3767

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

Chen Moore and Associates is providing professional landscape architecture services for this off-system project for FDOT D4 as a subconsultant to DRMP. The project lies wholly within the city limits of Coral Springs. The scope of the project includes the conversion of an existing 4 lane road section to 6 lanes. This section of University Drive has a significant amount of existing tree canopy and is lined with multiple businesses and residential neighborhoods that will be impacted by the widening. The design goals are to limit the impact to the existing tree canopy, incorporate a proposed linear park and meandering shared use paths into the design, and develop a cohesive landscape theme for the corridor. The project requires close coordination with FDOT D4, Broward County, and the City of Coral Springs. The services being provided by CMA include community input, tree inventory and disposition plans, tree mitigation permitting, landscape, hardscape, and irrigation design. Fee: $79,098.70

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

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

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL *(From Section E, Block 12)*	27. ROLE IN THIS CONTRACT *(From Section E, Block 13)*	28. EXAMPLE PROJECTS LISTED IN SECTION F *(Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)*									
		1	2	3	4	5	6	7	8	9	10
Daniel Davila, P.E.	Project Manager	X	X		X						
Peter Moore, P.E., F.ASCE, ENV SP, LEED AP	Principal-in-Charge	X	X		X		X	X			
Safiya Brea, P.E., LEED AP	QA/QC	X					X	X			
Jennifer Smith, P.E.	Utilities Engineering	X			X	X	X				
Jason McClair, P.E., CFM, LEED AP	Surface Water Management/Drainage	X	X	X	X	X	X				
Jose Acosta, P.E., F.ASCE	Roadway Engineering	X	X	X	X		X	X			
Patrick Kaimrajh, P.E.	Roadway Engineering	X	X	X	X		X	X	X		
Jose McCray	Construction Engineering		X				X				
Gregory Mendez, P.E.	Reports and Miscellaneous	X			X						
Cristobal Betancourt, RLA	Landscape Architecture	X		X	X	X	X	X	X	X	X
Eric Harrison, RLA	Landscape Architecture	X			X		X	X		X	X
Stefan Bortak, CID	Irrigation Design					X	X	X	X	X	X
Amber Mathis, CA	Arborist Services	X			X						X

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT *(From Section F)*	NO.	TITLE OF EXAMPLE PROJECT *(From Section F)*
1	Broward County UAZ 110/111 & 113 Water Sewer Improvements 113B	6	Downtown Coral Springs Streetscaping
2	Ft Lauderdale FM Rehab, HDD & Swageline (1-4)	7	Westside Park Baseball Field
3	Lauderdale-by-the-Sea E. Commercial Blvd Streetscape & Drainage Improvements	8	Dixie Highway Improvement Project Streetscape Plan
4	Stormwater Master Plan Modeling and Design Implementation	9	Hillsboro Blvd-SR7 to Florida Turnpike
5	Dixie Highway Improvements	10	University Dr-NW 40th to Sawgrass Expressway

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(IF ANY)* PSEN-18-02

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.**
2b. STREET	500 W. Cypress Creek Rd., Suite 630
2c. CITY	Fort Lauderdale
2d. STATE	FL
2e. ZIP CODE	33309
3. YEAR ESTABLISHED	2011
4. DUNS NUMBER	859459547
5. OWNERSHIP a. TYPE	Corporation
b. SMALL BUSINESS STATUS	**Small Business**
6a. POINT OF CONTACT NAME AND TITLE	**Peter Moore, PE, LEED AP, F.ASCE, President and CEO**
6b. TELEPHONE NUMBER	(954) 730-0707, ext 1002
6c. E-MAIL ADDRESS	pmoore@chenmoore.com
7. NAME OF FIRM *(If block 2a is a branch office)*	
8a. FORMER FIRM NAME(S) *(if any)*	Chen and Associate Consulting Engineers, Inc.
8b. YEAR ESTABLISHED	1986
8c. DUNS NUMBER	859459547

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) Firm	(2) Branch
02	Administrative	10	7
08	CADD Technician	36	14
12	Civil Engineer	13	5
15	Construction Inspector	5	3
16	Construction Manager	1	0
39	Landscape Architect	4	0
	Total	**69**	**29**

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

a. Profile Code	b. Experience	c. Revenue Index No. *(see below)*
C10	Commercial Building; (low rise); Shopping Centers	1
C15	Construction Management	1
C18	Cost Estimating; Cost Engineering and Analysis; Parametric Costing; Forecasting	2
E02	Education Facilities; Classrooms	2
E09	Environmental Impact Studies, Assessments or Statements	1
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

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	6
c. Total Work	6

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE

b. DATE 7/20/2018

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

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	32. DATE
	7/20/2018

33. NAME AND TITLE
Peter Moore, P.E., F.ASCE, ENV SP, LEED AP, President

via planning

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
Thuha Nguyen Lyew	Traffic Engineer & Transportation Planner	17	4

15. FIRM NAME AND LOCATION *(City and State)*

via planning, inc. (Fort Lauderdale, Florida)

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
Master of Science in Civil Engineering; Bachelor of Science in Mechanical Engineering	Professional Engineer (Florida, Civil: Transportation);

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

Professional Traffic Operations Engineer (PTOE) Certification; Florida Section ITE Vice President and Membership Chair 2015-2017; Gold Coast Chapter ITE Past President; South Florida Chapter Women in Transportation Seminar Mentorship Program Chair 14-15; Florida Section ITE 2010 "Young Transportation Engineer of the Year"

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Operational Analysis and Safety Analysis (FDOT District 4, Florida)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2013 — CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☐ Check if project performed with current firm

Thuha has participated in many traffic operations projects, including the completion of several safety studies, PD&E studies, and Design Traffic Technical Memoranda. She has completed crash-related statistical analyses, prepared collision diagrams, proposed countermeasures, and completed safety reports. She has taken part in a number of micro-simulation projects all over Florida and has performed reviews of micro-simulation projects along I-75, I-595, and I-95.

b.

(1) TITLE AND LOCATION *(City and State)*: Complete Streets (FDOT District 4, Florida)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: — CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☑ Check if project performed with current firm

Serving as an extension of FDOT District 4 Planning & Environmental Management (PLEM) staff, Thuha has been an active member of the Lane Elimination review team. She participated in the revision of FDOT District 4 Lane Elimination process improvement, has been reviewing each and every one of the applications and supported documents. She's also working on the primavera lane elimination review schedule and assisting with the candidate identification task.

c.

(1) TITLE AND LOCATION *(City and State)*: Feasibility and Special Studies (FDOT District 4, Florida)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: — CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☑ Check if project performed with current firm

Under the FDOT District 4 Systems Planning contract, Thuha has been leading the Lane Elimination procedure refinement on behalf of District 4's Planning Office. Under FDOT District 4 Office of Modal Development contract, Thuha participated in a number of multi-modal planning activities, including the bi-annual HOV Monitoring Project along I-95, and Broward County Downtown Terminal passenger survey.

d.

(1) TITLE AND LOCATION *(City and State)*: Travel Demand Modeling (FDOT District 4, Florida)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: — CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☑ Check if project performed with current firm

Thuha is an active member of the FDOT District 4 Travel Demand Modeling task force, and she has conducted multiple travel demand modeling projects in South Florida. For example, she assisted the FDOT District 4 Planning Office and the Regional Planning Council with the South Florida hurricane evacuation modeling project. She also prepared the 2030 Broward County model update for distribution.

e.

(1) TITLE AND LOCATION *(City and State)*: Interagency Coordination and Public Engagement (FDOT District 4, Florida)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: — CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☑ Check if project performed with current firm

Thuha has participated in numerous public engagement activities (including neighborhood outreach efforts, community engagement workshops, town hall meetings, and public hearings) as a part of the development of Transit Development Plans, Long Range Transportation Plans, and PD&E studies. She has served as a meeting organizer, a technical presenter, a newsletter reviewer, a team leader, and a workshop facilitator.

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
Shing Tsoi	Traffic Engineer & Transportation Planner	10	2

15. FIRM NAME AND LOCATION *(City and State)*

via planning, inc. (Fort Lauderdale, Florida)

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
Master of Science in Transportation Engineering; Bachelor of Engineering in Civil Engineering	Professional Engineer (Florida, Civil: Transportation);

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

Professional Traffic Operations Engineer (PTOE) Certification; International Municipal Signal Association Traffic Signal Bench Technician Level II; Institute of Transportation Engineers (ITE) Member; Gold Coast Chapter ITE Vice President

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: FDOT D4 Transportation Systems Management and Operations (TSM&O) Contract - Young Circle Data Collection Plan (FDOT District 4, Florida)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2016 — CONSTRUCTION *(If applicable)*:

☐ Check if project performed with current firm

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

Shing was involved in various tasks under the FDOT D4 TSM&O Contract, including development of a data collection plan to address traffic oversaturation issues at Young Circle in Hollywood. Shing conducted literature review, identified locations of existing FDOT surveillance cameras, and prepared actionable data collection forms and plans, as well as conducted trial data collection with staff in the Broward County Traffic Management Center.

b.

(1) TITLE AND LOCATION *(City and State)*: Hickory Street Complete Streets Signing and Pavement Marking and Signal Modification, and Landscape Design (Melbourne, Florida)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2016 — CONSTRUCTION *(If applicable)*:

☐ Check if project performed with current firm

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

Shing served as the Engineer of Record for developing the signing and pavement marking plans with signal modification elements and the landscape plan, including roundabout signing and pavement marking, rectangular rapid flashing beacons (RRFBs) at midblock crossings and improved landscape, as part of the Hickory Street Complete Street improvement under the Local Agency Program (LAP) between FDOT and City of Melbourne, Florida.

c.

(1) TITLE AND LOCATION *(City and State)*: City of Fort Lauderdale Traffic Engineering Services (Fort Lauderdale, Florida)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2016 — CONSTRUCTION *(If applicable)*:

☐ Check if project performed with current firm

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

Shing provided support for City of Fort Lauderdale Transportation and Mobility Department on various traffic engineering analyses and review services, including traffic operation analysis to evaluate road diet on NE 13th Street in Fort Lauderdale, and traffic review services for developments in Fort Lauderdale.

d.

(1) TITLE AND LOCATION *(City and State)*: City of Hallandale Beach Traffic Study Review (Hallandale Beach, Florida)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2016 — CONSTRUCTION *(If applicable)*:

☐ Check if project performed with current firm

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

Shing was the project manager and worked side-by-side with City of Hallandale Beach staff to provide traffic study review support on multiple development projects. Shing provided support in traffic methodology development, site plan review, traffic circulation review, parking supply review, and consideration of multi-modal facilities near the development.

e.

(1) TITLE AND LOCATION *(City and State)*: University Drive Mobility Improvements Corridor Planning Study (Broward County, Florida)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2015 — CONSTRUCTION *(If applicable)*:

☐ Check if project performed with current firm

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

Shing developed congestion management strategies and explored transit alternatives on the 23-mile stretch of University Drive in Broward County. Shing led the traffic analysis portion of the project, developed future traffic volumes, and identified near-term and long-term improvements such as signal retiming, phasing changes, turn lane elimination, etc. in support of the pedestrian, bicycle and transit focus of the corridor.

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)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
FDOT District 4 Districtwide General Systems Planning Support (FDOT District 4, Florida)	Ongoing	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Florida Department of Transportation D4	Mr. Chon Wong	954-777-4659

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

via planning, inc (via) staff has been providing technical planning support to FDOT District 4 staff under this districtwide contract for over a decade. Some of the relevant tasks are highlighted below:

Data Collection: As an travel demand model user, via staff assisted FDOT staff on the social and economic data collection; including transit on-board survey, travel time run, origin-destination surveys, HOV monitoring surveys, and those completed as part of the PalmTran Transit Development Plans (TDP) development.

Transportation Systems Planning: Many of the tasks completed under this contract are classified as Systems Planning tasks. They include: coordination with the counties and cities within District 4 to improve the regional mobility whether through the LRTP development process or FDOT's Work Program scope refinement; coordination with the MPO on mobility performance measures reporting, in compliance with MAP-21 regulations; review of LAP applications; review of bike/ped planning studies, especially for safety improvement and/or as a part of the Complete Streets initiative; development of the 2011 major update for PalmTran's TDP; review of the Palm Beach and Broward Counties Interchange Masterplan; review of numerous interchange access proposals through successful coordination with FHWA and FDOT Central Office.

Lane Elimination Review and Coordination: via staff has provided assistance to FDOT District 4 staff since the inception of the program: starting with the formulation and refinement of the process, review and tracking of all applications through the District, assistance with the applicant, development of lane elimination schedule template, and currently assistance with the evaluation process to assess the feasibility of multiple applications.

Special Project Planning: As growth management regulation changes overtime, via staff continuously provides development review assistance on behalf of the local agencies, for developments of regional impact (DRI), concurrency study, congestion management study, and land use planning study.

Total Project Cost: $1,500,000

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	via planning, inc.	Fort Lauderdale, FL	Sub Consultant
b.			
c.			
d.			
e.			
f.			

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)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Lauderdale-By-The-Sea Continuing Services Contract (Lauderdale-By-The-Sea, Florida)	Ongoing	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Town of Lauderdale-By-The-Sea	Mr. Ralph “Bud” Bentley	954-640-4204

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

Awarded with the Lauderdale-By-The-Sea Continuing Services Contract in 2017, via planning, inc. (via) staff has since assisted the Town with the El Mar Drive Greenway Design Project from Palm Avenue to Pine Avenue. via staff coordinated on behalf of the Town with FDOT and Broward MPO regarding the El Mar Drive project, conducted project research and reviewed project information so that the El Mar Drive greenway design, which will be completed by FDOT, meets the needs and desires of the Town.

via staff also completed the pavement marking concept design for Seagrape Drive. via staff conducted field review to obtain roadway cross-sections as well as other roadway features, and developed the pavement marking concept plan in CAD within a two-week timeframe to meet the Town's accelerated schedule.

Total Project Cost: $8,000, with additional tasks expected in the next 4 years

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	via planning, inc.	Fort Lauderdale, FL	Prime Consultant
b.			
c.			
d.			
e.			
f.			

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)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
City of West Palm Beach Professional Services Agreement for Transportation Engineering & Planning Services (West Palm Beach, Florida)	Ongoing	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of West Palm Beach	Ms. Uyen Dang	561-494-1087

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

via planning, inc. (via) staff has been providing in-house traffic engineering support to City of West Palm Beach staff since March 2018. via staff reviewed various development applications including residential, hotel, office, commercial, and golf course developments. via staff also assisted the City staff with various City projects, including Banyan Boulevard Complete Street Study, Palm Beach Lakes/Robbins bike path concept sketch, and speed hump evaluation and 20 mph speed zone implementation requirements.

Other tasks include trip generation analyses, traffic operations analyses, level-of-service analyses, multi-modal corridor analyses, feasibility studies, project traffic forecasting, lane elimination analysis, access management analyses and geographic information system (GIS) analyses.

Total Project Cost: $100,000

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	via planning, inc.	Fort Lauderdale, FL	Sub Consultant
b.			
c.			
d.			
e.			
f.			

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

20. EXAMPLE PROJECT KEY NUMBER: 4

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
City of Westlake Traffic Engineering Services (Westlake, Florida)	Ongoing	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Westlake	Ms. Suzanne Dombrowski (Chen Moore)	561-746-6900 x 1035

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

City of Westlake was incorporated in Year 2016 to become the 39th city in Palm Beach County. Since July 2017, via planning, inc. (via) staff has been providing traffic engineering support to City of Westlake. One of the first tasks was to assist the City on visioning and development of its first Comprehensive Plan. via staff worked closely with City staff in multiple work sessions to understand the City's need, and to guide the City staff through education and analyses to achieve the desired outcomes with appropriate transportation goals, objectives and policies. The Comprehensive Plan was adopted by the City in March 2018.

In addition, via staff have assisted the City on multiple development reviews and master plan amendments. via staff is currently assisting the City with the development of the City's Traffic Performance Standards in its Land Development Regulations.

Total Project Cost: $30,000

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	via planning, inc.	Fort Lauderdale, FL	Sub Consultant
b.			
c.			
d.			
e.			
f.			

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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)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Traffic Engineering Support for Development Applications (Palm Beach County, Florida)	Ongoing	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Various Developers	Mr. Mike Sexton (Sexton Engineering, Inc.)	561-792-3122

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

Since October 2015, via planning (via) staff has been providing traffic engineering support for development applications, rezoning and comprehensive plan amendment in Palm Beach County. Some of the tasks include trip generation estimates, traffic impact analyses, traffic operations studies, agency coordination, traffic information research, etc.

Total Project Cost: $80,000

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	via planning, inc.	Fort Lauderdale, FL	Sub Consultant
b.			
c.			
d.			
e.			
f.			

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G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL *(From Section E, Block 12)*	27. ROLE IN THIS CONTRACT *(From Section E, Block 13)*	28. EXAMPLE PROJECTS LISTED IN SECTION F *(Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)*									
		1	2	3	4	5	6	7	8	9	10
Thuha Nguyen Lyew	Traffic Engineer & Transportation Planner	X	X	X	X	X					
Shing Tsoi	Traffic Engineer & Transportation Planner	X	X	X	X	X					

29. EXAMPLE PROJECTS KEY

NUMBER	TITLE OF EXAMPLE PROJECT *(From Section F)*	NUMBER	TITLE OF EXAMPLE PROJECT *(From Section F)*
1	FDOT D4 Districtwide General Systems Planning	6	
2	Lauderdale-By-The-Sea Continuing Services	7	
3	West Palm Beach Transportation Eng. & Planning	8	
4	City of Westlake Traffic Engineering Services	9	
5	Traffic Engineering Support for Developments	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

07/16/2018

33. NAME AND TITLE

Thuha Nguyen Lyew / President

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: PSEN-18-02

PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (*or Branch Office*) NAME: via planning, inc.

3. YEAR ESTABLISHED: 2014

4. UNIQUE ENTITY IDENTIFIER:

2b. STREET: 2101 W Commercial Blvd, Suite 3200

2c. CITY: Fort Lauderdale

2d. STATE: FL

2e. ZIP CODE: 33309

5. OWNERSHIP

a. TYPE: Corporation

b. SMALL BUSINESS STATUS: Yes for 541330 and 541690

6a. POINT OF CONTACT NAME AND TITLE: Thuha Nguyen Lyew / President

6b. TELEPHONE NUMBER: 954-560-5251

6c. E-MAIL ADDRESS: thuha.nguyen@viaplanning.com

7. NAME OF FIRM *(If Block 2a is a Branch Office)*:

8a. FORMER FIRM NAME(S) *(If any)*:

8b. YEAR ESTABLISHED:

8c. UNIQUE ENTITY IDENTIFIER:

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. Number of Employees (1) FIRM	c. Number of Employees (2) BRANCH
60	Transportation Engineer	2	
	Other Employees		
	Total	2	

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

a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
T03	Traffic & Transportation Eng.	2

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

a. Federal Work	
b. Non-Federal Work	2
c. Total Work	2

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE

b. DATE: 07/16/2018

c. NAME AND TITLE: Thuha Nguyen Lyew / President

City of Pembroke Pines

BidSync

7/25/2018

GFA International

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
Frederick Kaub, P.G., L.A.C.	**Professional Geologist**	**31**	**30**

15. FIRM NAME AND LOCATION (City and State)

GFA International, Inc., Delray Beach, Miami, Port St. Lucie, Fort Myers – Florida

16. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
B.S. / Geology **Indiana University (White Star Endowment Scholarship)**	**FL / Professional Geologist** **FL / Licensed Asbestos Consultant**

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
Pembroke Pines City Hall & Civic Center, Pembroke Pines, FL	2014 - 2017	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Professional Geologist / Project Manager
Geotechnical Engineering
Construction Materials Testing
This project consisted of the new construction of three building components: a 172,225-square foot civic center consisting of 4-story offices surrounding a great hall with mezzanine level; a 1-story, 175-seat commission chambers consisting of approximately 5,659 square feet; and an 11,176-square foot, 1 story with mezzanine art gallery. GFA performed a Geotechnical Exploration consisting of seven standard penetration test borings to depths ranging from 25 to 45 feet below grade. In addition, GFA provided geotechnical field technicians to perform vibration monitoring. GFA also providing engineering field technicians and a certified laboratory to perform construction materials testing services for all soil, aggregate, and concrete material used for the project.

b.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
Franklin Academy, Pembroke Pines, FL	2013 - 2016	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Professional Geologist / Project Manager
Geotechnical Engineering
Construction Materials Testing
Threshold Inspections
This project consisted of the new construction of a 120,000-square foot school and a residential community with 43 single family lots. GFA performed a Geotechnical Exploration consisting of fourteen standard penetration test borings to depths of 15 feet below existing grade, nine standard penetration test borings to depths of 20 feet below existing grade, four standard penetration tests to depths of 30 feet below existing grade, and sixteen exfiltration tests to depths of 10 feet below existing grade. GFA provided engineering field technicians and a certified laboratory to complete Construction Materials Testing services for all soil, aggregate, and concrete material used for the project. GFA provided licensed inspectors to perform Threshold Inspections for reinforcing steel placements, shoring and re-shoring inspection verification, pre and post fill cell grouting, concrete and grout placement monitoring, and structural steel.

c.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
City of Hollywood Salinity Monitoring Wells, Hollywood, FL	2017	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Professional Geologist / Project Manager
Geotechnical Engineering
This project included the installation of four deep salinity monitoring wells to depths of 220′. The 2-inch wells are used for monitoring of salt water intrusion along the coast of Florida and aid the USGS and City Managers in managing the delicate water resources for the City of Hollywood. In order to meet the time lines and provide near continuous soil sample for the project, GFA utilized a Geoprobe 8150LS Rotary Sonic Drill Rig. GFA International Services consisted of: Rotary sonic sampling using the 4 x 6 sampling system; Construction of 2′ diameter monitoring wells to 220′; Professional Geological report and monitoring; Water conductivity logging of the completed borehole; CCTV camera of completed wells. Challenges encountered Project specifications required discriminate interval water sampling of the boring to determine the conductivity and water quality to design screen interval of the well. To accomplish this GFA used an inflatable packer system designed specifically for the sonic tooling to seal off the water column and pull water samples from specific depth intervals as required by the project geologist.

d.	(1) TITLE AND LOCATION (City and State) **North Perry Airport Wayman Flight School, Pembroke Pines, FL**	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017	CONSTRUCTION (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Professional Geologist / Project Manager Geotechnical Engineering This project consists of the new construction of a one-story, 11,267-sqaure foot classroom building and an associated 40,000-sqaure foot paved ramp/apron. GFA performed a geotechnical exploration consisting of three standard penetration test borings to depths of 15-feet below existing grade, seven standard penetration test borings to depths of 10-feet below existing grade, and two exfiltration tests to depths of 10-feet below existing grade.		
e.	(1) TITLE AND LOCATION (City and State) **City of Pompano Beach Fire Station #52, Pompano Beach, FL**	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2016	CONSTRUCTION (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Professional Geologist / Project Manager Geotechnical Engineering This project consists of the new construction of a 2-story office building with associated appurtenances located in Miramar, Florida. GFA performed a Preliminary Geotechnical Exploration consisting of five standard penetration test borings to depths ranging from 10 to 20 feet below existing grade. After the existing building on the site was demolished, GFA performed a Final Geotechnical Exploration consisting of five standard penetration test borings to depths of 20-feet below existing grade.		
f.	(1) TITLE AND LOCATION (City and State) **Sweetwater Pump Stations Phase IIB, Sweetwater, FL**	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2013	CONSTRUCTION (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Professional Geologist / Project Manager Geotechnical Engineering This project consisted of the new construction of two pump stations and a 36-inch force main pipe in the City of Sweetwater, Florida. GFA performed a Geotechnical Exploration consisting of two standard penetration test borings to depths of 25-feet below existing grade and four standard penetration test borings to depths of 15-feet below existing grade.		

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
Carlos A. Mercado, M.S., P.E.	Branch Manager / Sr. Geotechnical Engineer	28	5

15. FIRM NAME AND LOCATION (City and State)

GFA International, Inc., Delray Beach, FL

16. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
B.S. Civil Engineering M.S. Geotechnical Engineering	Florida - Professional Eng. #71707 Puerto Rico - Professional Eng. #11621

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

American Society of Civil Engineers
Puerto Rico Professional College of Engineers and Land Surveyors

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if
South Creek Dredging, Coconut Creek, FL	2013	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Sr. Geotechnical Engineer – This project consisted of performing a Geotechnical Analysis for a maintenance dredging and restoration for the South Creek Canal in Coconut Creek, Florida. GFA provided a licensed surveyor to layout property lines and easement of the 6 agreed upon properties. GFA performed 12 standard penetration test borings. 6 of the borings were completed to depths of 20 feet below grade and 6 were completed to depths of 15 feet below grade. GFA performed a total of 36 water content determinations, 3 at each boring.

b.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if
Pembroke Pines City Hall & Civic Center, Pembroke Pines, FL	2014 - 2017	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Sr. Geotechnical Engineer – This project consisted of the new construction of three building components: a 172,225-square foot civic center consisting of 4-story offices surrounding a great hall with a mezzanine level; a 1-story, 175-seat commission chambers consisting of approximately 5,659-sqaure feet; and an 11,176-square foot, 1-story with mezzanine level art gallery. GFA performed a Geotechnical Exploration consisting of seven standard penetration test borings to depths ranging from 25 to 45 feet below existing grade. In addition, GFA provided geotechnical field technicians to perform vibration monitoring. GFA also provided engineering field technicians and a certified laboratory to complete Construction Materials Testing services for all soil, aggregate, and concrete materials used for the project. Mr. Mercado was responsible for the coordination of the geotechnical field work, supervising all field personnel associated with the project, overall contract execution, calculations for foundation and site preparation recommendations, and the preparation of the final Geotechnical Exploration report, as well as reviewing and signing all Construction Materials Testing reports.

c.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if
Pompano Beach Parking Garage, Pompano Beach, FL	2016	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Sr. Geotechnical Engineer – The Pompano Beach Parking Garage consisted of the new construction of a five-story parking garage with an approximate footprint area of 239,646-square feet along with associated site work. The completed garage added 625 beach parking spaces. GFA performed a Geotechnical Exploration consisting of eight standard penetration test borings to depths ranging from 30 to 55-feet below existing grade. GFA performed a Phase I Environmental Site Assessment with an Environmental Lien Search. GFA also prepared a Soil Sampling and Analysis Report. GFA also provided geotechnical field technicians to perform Pile Installation Monitoring services. GFA provided engineering field technicians and a certified laboratory to complete Construction Materials Testing services for all soil, aggregate, and concrete material used for the project. In addition, GFA provided licensed inspectors to perform Threshold Inspections for reinforcing steel placements, shoring and re-shoring inspection verification, concrete and grout placement monitoring, pre and post fill cell grouting, and structural steel. Mr. Mercado was responsible for the coordination of the geotechnical field work, supervising all field personnel associated with the project, overall contract execution, calculations for foundation and site preparation recommendations, and the preparation of the final Geotechnical Exploration report, as well as reviewing and signing all Construction Materials Testing reports, as well as preparing a Pile Installation Monitoring report.

d.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Stormwater Pump Station #4 By-Pass Culvert Replacement, Sunrise, FL	PROFESSIONAL SERVICES	CONSTRUCTION (if
		2016	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Sr. Geotechnical Engineer – This project consisted of the replacement of an existing 72-CMP by-pass culvert at the City of Sunrise's Stormwater Pump Station #4. GFA performed a Geotechnical Exploration consisting of two standard penetration test borings to depths of 15-feet below existing grade.		
e.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	City of Pompano Beach Fire Station #52, Pompano Beach, FL	PROFESSIONAL SERVICES	CONSTRUCTION (if
		2016	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Sr. Geotechnical Engineer – This project consists of the reconstruction of an existing fire station. The new fire station will have a footprint area of approximately 13,000-square feet with capacity for 4 fire apparatus. The building will feature a 2-story facility with quarters upstairs including a Battalion Chief room and office and operations on the ground floor. GFA performed a Geotechnical Exploration consisting of two exfiltration tests to depths of 10-feet below existing grade. In addition, GFA performed a Phase I Environmental Site Assessment with an Environmental Lien Search. Mr. Mercado was responsible for the coordination of the geotechnical field work, overall contract execution, and preparation and submittal of the Geotechnical Exploration report containing site preparation recommendations for the proposed construction.		

RELEVANT PROJECTS CONTINUED			
f.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Miramar Public Safety Complex, Miramar, FL	PROFESSIONAL SERVICES	CONSTRUCTION (if
		2017	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Sr. Geotechnical Engineer – This project consists of the new construction of a 2-story office building with associated appurtenances located in Miramar, Florida. GFA performed a Preliminary Geotechnical Exploration consisting of five standard penetration test borings to depths ranging from 10 to 20 feet below existing grade. After the existing building on the site was demolished, GFA performed a Final Geotechnical Exploration consisting of five standard penetration test borings to depths of 20-feet below existing grade. Mr. Mercado was responsible for the coordination of the geotechnical field work, overall contract execution, and preparation and submittal of the Geotechnical Exploration report containing foundation and site preparation recommendations for the proposed construction.		

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)	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Pembroke Pines City Hall & Civic Center, Pembroke Pines, FL	2014 - 2017	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Pembroke Pines	Mr. Frank Milen, Stiles Construction Company	(954) 415-2117

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

This project consisted of the new construction of three building components: a 172,225-square foot civic center consisting of 4-story offices surrounding a great hall with mezzanine level; a 1-story, 175-seat commission chambers consisting of approximately 5,659 square feet; and an 11,176-square foot, 1 story with mezzanine art gallery.

GFA Contract

- $57,766.00

GFA Services

GFA performed a Geotechnical Exploration consisting of seven standard penetration test borings to depths ranging from 25 to 45 feet below grade. In addition, GFA provided geotechnical field technicians to perform vibration monitoring. GFA also providing engineering field technicians and a certified laboratory to perform construction materials testing services for all soil, aggregate, and concrete material used for the project.

GFA Service Summary

- Geotechnical Engineering
- Construction Materials Testing

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	GFA International, Inc.	Delray Beach, FL	Geotechnical, Construction Materials Testing
b.			
c.			
d.			
e.			
f.			

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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)	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
City of Hollywood Salinity Monitoring Wells, Hollywood, FL	2017	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Hollywood	Mr. Clece Aurelus, P.E.	(954) 805-3681

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

This project included the installation of four deep salinity monitoring wells to depths of 220'. The 2-inch wells are used for monitoring of salt water intrusion along the coast of Florida and aid the USGS and City Managers in managing the delicate water resources for the City of Hollywood.

GFA Contract
- $198,326.00

GFA Services
In order to meet the time lines and provide near continuous soil sample for the project, GFA utilized a Geoprobe 8150LS Rotary Sonic Drill Rig. GFA International Services consisted of:
- Rotary sonic sampling using the 4 x 6 sampling system
- Construction of 2' diameter monitoring wells to 220'
- Professional Geological report and monitoring
- Water conductivity logging of the completed bore hole
- CCTV camera of completed wells

Challenges encountered Project specifications required discriminate interval water sampling of the boring to determine the conductivity and water quality to design screen interval of the well. To accomplish this GFA used an inflatable packer system designed specifically for the sonic tooling to seal off the water column and pull water samples from specific depth intervals as required by the project geologist.

GFA Service Summary
- Geotechnical Engineering

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	GFA International, Inc.	Delray Beach, FL	Geotechnical
b.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
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

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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)	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Roadway Maintenance Responsibilities, Coconut Creek, FL	2012	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Coconut Creek Engineering Division	Mr. Osama Elshami	(954) 522-3339

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

The objective of this project was to collect site and subsurface data and summarize test results in the form of a Geotechnical Engineering report listing pavement structural values at each location.

GFA Contract
- $43,885.00

GFA Services
GFA performed a total of 81 asphalt cores for sampling of materials and asphalt thickness and 27 standard penetration test borings to depths of 15-feet below existing grade. GFA visually classified and stratified the soil and rock samples recovered. GFA sampled base rock and subgrade material for Limerock Bearing Ratio (LBR) testing, as well as carbonate content testing.

GFA Service Summary
- Geotechnical Engineering
- Construction Materials Testing

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	GFA International, Inc.	Delray Beach, FL	Geotechnical, Materials Testing
b.			
c.			
d.			
e.			
f.			

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

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

20. EXAMPLE PROJECT KEY NUMBER: **4**

21. TITLE AND LOCATION (City and State)	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Oakland Preserve, Oakland Park, FL	2013 - Ongoing	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Pinnacle Housing Group / Broward Housing Authority	Mr. Timothy P. Wheat	(561) 627-2820

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

This project consisted of the new construction of eighty, two and three-story, multi-family units located in Oakland Park, Florida on a five-acre parcel. The project was part of a cooperative venture between Pinnacle and the Broward County Housing Authority's non-profit affiliate, Building Better Communities.

GFA Contract
- $112,997.50

GFA Services
GFA performed an Environmental Phase 1 Site Assessment with an Environmental Lien Search. This included records review, site reconnaissance, interviews, and preparation of a Phase 1 ESA Report. GFA performed an Environmental Phase 2 Site Assessment that included installing nine soil borings using a GeoProbe drill rig via direct push technology to assess for potential impacts of the use of unsuitable fill material. A total of twenty-seven soil samples were collected for laboratory analysis of low-level Polynuclear Aromatic Hydrocarbons. Due to elevated levels of benzoapyrene detected in soil samples, GFA prepared and implemented a Soil Management Plan. During the implementation of the Soil Management Plan, GFA documented site activities and collected soil samples for laboratory analysis. In addition, GFA collected seventy-two, five-point composite soil samples from five large stockpiles for laboratory analysis for organochloride herbicides, arsenic, and polynuclear aromatic hydrocarbons. GFA prepared a Site Assessment Report using the laboratory data from assessments. GFA also installed three FDEP-approved shallow groundwater monitoring wells, one FDEP-approved intermediate double-cased groundwater monitoring well and collected groundwater samples for laboratory analysis. GFA retained a licensed land surveyor to survey in the top of casing elevations and GPS coordinates for the newly installed FDEP-approved monitoring wells. GFA is providing quarterly monitoring for Natural Attenuation Monitoring and Reporting. Upon completion of construction activities, GFA will submit a SMP Implementation Report-Request for No Further Action to Broward County Pollution Prevention Remediation and Air Quality Division. GFA also installed 4 FDEP-approved permanent groundwater monitoring wells. In May of 2017, GFA collected a total of sixteen soil samples with a GeoProbe drill rig via direct-push technology for further laboratory analysis and performed proper well abandoments for eight of the monitoring wells. GFA prepared an Engineering and Institutional Control Plan and No Further Action with Conditions report. GFA provided Contour Map Development services. In addition, GFA also performed a Geotechnical Exploration consisting of thirteen standard penetration test borings to depths of 25-feet below existing grade and four exfiltration tests to depths of 10-feet below existing grade.

GFA Service Summary
- Environmental Engineering
- Geotechnical Engineering

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	GFA International, Inc.	Delray Beach, FL	Environmental and Geotechnical
b.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE

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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)	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Sweetwater Pump Stations Phase IIB, Sweetwater, FL	2013	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Sweetwater	Mr. Eric J. Gomez, P.E.	(305) 553-5457

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

This project consisted of the new construction of two pump stations and a 36-inch force main pipe in the City of Sweetwater, Florida.

GFA Contract
- $3,305.00

GFA Services
GFA performed a Geotechnical Exploration consisting of two standard penetration test borings to depths of 25-feet below existing grade and four standard penetration test borings to depths of 15-feet below existing grade.

GFA Service Summary
- Geotechnical Engineering

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	GFA International, Inc.	Delray Beach, FL	Geotechnical
b.			
c.			
d.			
e.			
f.			

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G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Frederick Kaub, P.G.	Professional Geologist Principal-in-Charge	x	x	x	x	x					
Carlos A. Mercado, P.E.	Sr. Geotechnical Engineer / Branch Manager	x	x	x	x	x					

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	**Pembroke Pines City Hall & Civic Center**	6	
2	**City of Hollywood Salinity Monitoring Wells**	7	
3	**Coconut Creek Roadway Maintenance Responsibilities**	8	
4	**Oakland Preserve**	9	
5	**Sweetwater Pump Stations Phase IIB**	10	

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H. ADDITIONAL INFORMATION

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

APPROACH AND METHODOLOGY

Understanding Of Scope Of Work

GFA foresees no problem meeting the City of Pembroke Pines' schedule or demands. Team GFA is prepared to provide qualified personnel to conduct the following Geotechnical scope of work:

Geotechnical Services

1. Perform soil exploration and sampling
2. Perform field and onsite soil and material testing
3. Prepare geotechnical reports

GFA will furnish all necessary materials, labor, professional geotechnical expertise, supervision, equipment, and transportation necessary to execute and complete all work required by County specifications. GFA will provide the professional geotechnical, geophysical and hydrogeological expertise necessary in field services, laboratory services, analysis and design, estimating time and costs, planning, scheduling, checking, certification of completed work and submittal/filing/recording of the required data to the County. We have a full-time staff of employees ready to move forward immediately with all requirements of this contract.

GFA will provide engineering testing services from our own testing laboratories validated by the U.S. Army Corps of Engineers (USACE) or the Florida Department of Transportation (FDOT), and accredited through the Construction Material Engineering Council (CMEC).

GEOTECHNICAL ENGINEERING SERVICES

Understanding: The purposes of a Geotechnical Investigation are to investigate the soil and geologic conditions of a property and to provide recommendations and design criteria for construction. The scope of a Geotechnical Investigation includes review of available literature; conducting on-site exploration, mapping/logging and sampling; and laboratory testing of samples obtained in the field. GFA will interact with the **City of Pembroke Pines** staff to complete each project.

Project Approach: Geotechnical services typically involve five critical steps. First, preliminary field work must be done. A geotechnical engineer collaborates with a client representative to determine project objectives. The engineers will determine appropriate locations and depths for taking soil samples. Boring locations will include areas where structures, pump stations, levees, culverts and water control structures require geotechnical data.

In addition, engineers will develop preliminary concepts for drainage structures and pavements that may be needed to direct water away from buildings. A thorough proposal will be developed detailing a scope of services, fees and report submittal milestones.

The second step, exploration, begins with drilling and recovering soil and rock samples using such techniques as standard penetration testing, rock coring, cone penetrometer soundings and/or vibracore sampling. Our drillers are versed in all these type of drilling techniques.

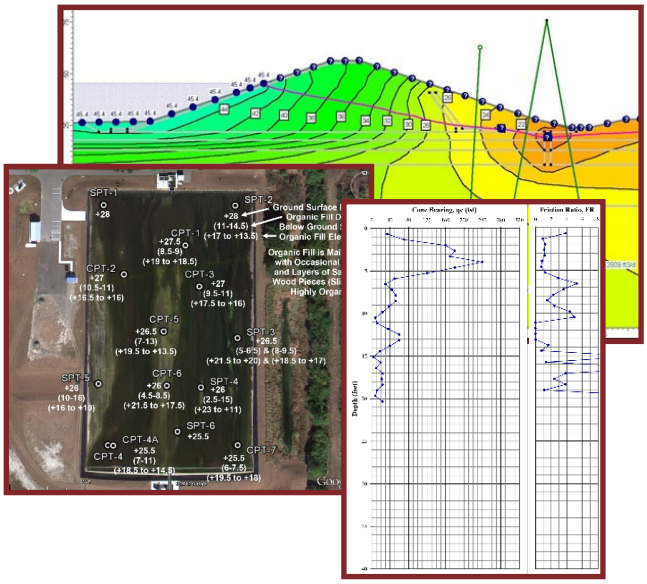
A geotechnical engineer will take a series of soil samples from each of the defined boring locations, paying special attention to recovered materials and penetrating resistance. If adjustments need to be made to the field sampling plan then the field engineer will make appropriate arrangements with the field crews after discussing this with the client.

Laboratory tests and sample review is the third stage (materials testing). All soil samples obtained by GFA in field investigations are thoroughly examined visually in our laboratory in accordance with ASTM D-2488 to obtain an accurate definition of the geomorphic conditions and properties of the soil. Engineers evaluate soil samples for strength, moisture, density and other characteristics and properties. Random laboratory tests are performed on soils within the foundation bearing depths to verify visual classifications. These tests may consist of gradation analysis and organic content testing on soil samples.

The GFA team then develops final detailed boring logs which depict the soils encountered. These

boring logs illustrate the soils encountered in graphic detail and penetration resistance values logged during drilling and sampling activities.

A geotechnical report, is the fourth step in the process. It provides a detailed analysis of subsurface conditions at the study location. How will existing subsurface soil and bedrock such as limestone or sandstone perform as bearing materials for the planned construction? What about soils that have been manipulated previously? What type of fill was used? Was it uncontrolled fill that has been dumped, but not compacted, or structural fill that has been compacted? Does the fill include buried debris? How can the contractor modify this material to ensure the load-bearing characteristics?



Our team will then make the appropriate evaluations in order to make recommendations with respect to foundation support of structures and slabs; soil bearing pressures; bearing elevations; and foundation design recommendations. As part of the analysis, and only if necessary, GFA will advise our client as to the need for improvements to the soils on the site.

The report's recommendations will guide the construction process. Recommendations cover issues in site preparation and drainage, as well as in footing, slab, seawall, bulkhead and pier design. The written report documents the alternatives proposed with supporting data and confirms the implementation plan accepted by management. Specific organization of the report is unique to each study.

Last, but equally important, geotechnical services include monitoring and consulting during site preparation and construction. Geotechnical and materials engineers and engineering geologists understand how the soil beneath a structure must perform, and they have the training, equipment and knowledge of soil and material characteristics to make engineering judgments about potential soil and materials problems.

Specialized Skills: GFA will apply a number of specialized skills to the investigation that will save time and cost. If appropriate, we will employ state of the art field devices, such as piezocones and flat plate dilatrometers, that produce more accurate soils data than with routine methods, allowing for much less conservative and less costly design. GFA has the best equipped geotechnical laboratories in the State of Florida allowing us to conduct any test in house, thus saving time and money.

testing of plastic pipes. Also, we have a fully equipped and certified laboratory for testing geosynthetic materials and synthetic (plastic) liners. GFA has the best equipped geotechnical laboratories in the state of Florida with devices capable of providing virtually any soils test.

Cost Saving Approach

GFA International is well aware that construction projects face many challenges: budget constraints, safety issues, environmental impact, etc. By applying value methodology (also called value engineering, value analysis or value management) to construction projects, GFA International is able to save its clients significant amounts of money and time. These concepts benefit GFA clients and taxpayers by:

- Reducing project costs
- Reducing paperwork
- Simplifying procedures
- Improving project schedules
- Reducing waste
- Increasing efficiency
- Using resources more effectively
- Developing innovative solutions

Value Methodology Applicability

GFA applies Value Methodology wherever cost and/or performance improvement is desired. That improvement can be measured in terms of monetary aspects and/or other critical factors such as productivity, quality, time, energy, environmental impact and durability. It can beneficially be applied to virtually all areas of construction. With respect to this submittal, Value Methodology is applicable to professional engineering services primarily in the Geotechnical arena.

Cost Control

It is GFA's obligation to be cost conscious in our attempts to ensure that our client's needs are met. We are responsive to the needs of our clients without compromising the integrity of the work and have developed an effective policy in partnering with our clients throughout the term of our contracts.

Once awarded a project, GFA's principal management team will meet with County representatives to identify cost estimates for the full scope of a project. Recommendations will be made at this point to manage costs before the actual work has begun, and once cost issues have been resolved, only then does GFA commence work.

It is our mission to communicate with our client before and during the work to come to mutually agreeable terms. We intend to provide the city with a level of comfort knowing that GFA International views cost management as a critical concern.

GFA maintains full management control over the scheduling and quality of our work. Should a problem arise with which the County is not comfortable, we would urge your representative to contact our Senior Management and or Principals in our firm for immediate resolution. Since the company's inception, we have made a commitment to an "open door" policy with all of our clients and employees and have found this to be profitable and agreeable to both.

SONIC DRILLING SERVICES

Geoprobe© 8150LS ROTARY SONIC RIG

Full-Size Rotary Sonic Rig with 50K Dynamic Force

This full-size sonic rig delivers big sonic power to our customers. The 8150LS sonic rig advances 10-ft. tooling and has a 13-ft. 1-in. head travel and can continuously sample and set casing in excess of 300 ft. (90 m) in a wide range of formations.

- Drilling utilizing high frequency resonant energy
- Sample Quality – Near 100% recovery on every sample interval
- Speed 2-3 times faster over conventional systems
- Safer – Automatic Rod Loader, Pipe Indexing Racks, and Break-Out Wrench reduces risk of injury
- Vertical and angle capabilities to 45 degrees

- Flexibility – Sonic methods advance a temporary casing allowing additional tools to be utilized such as:
  - SPT Sampler for Geotechnical Needs
  - Wire Line Coring of Hard Rock Formations
  - Interval Water Sampling with DP60 Water Sampler
  - Logging Tools

TeamGFA.com
(800) 226-7522

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THE **EXPERTISE YOU REQUIRE** FOR YOUR MOST CHALLENGING PROJECTS

BIG SONIC POWER

Typical Uses Advantages:

- Geotechnical – continuous sample, sample difficult formations, large sample quantity, SPT values
- Environmental Drilling – Well installation up to 4" diameter
  - No drilling fluids
  - Interval water sampling with inflatable packer
  - Minimal spoils
- Inclinometer/Piezometer Installation
  - Minimal drill deviation – straightest drilling method in market
  - Cased borehole to allow any well construction
- Mineral Exploration
  - Fast advancement in overburden
  - Large sample for quantative analysis

GFA International brings decades of experience providing expert geotechnical solutions to complex projects of all sizes, whether public or private. The technical expertise of our team, our specialized training, our fleet of equipment and wide scope of capabilities has assisted our clients in finding solutions to difficult and complex challenges on a variety of projects.

GFA
has the expertise you require!

Florida's Leading Engineering Source

GFA ENVIRONMENTAL • GEOTECHNICAL • MATERIALS TESTING • INSPECTIONS INTERNATIONAL

Since 1988, GFA has carefully constructed our solid, state-wide reputation for superior service, trustworthy business management, and strict attention to health, safety and innovative engineering.

- ▶ Environmental Consulting
- ▶ Geotechnical Engineering
- ▶ Construction Materials Testing
- ▶ Threshold & Special Inspections
- ▶ Building Code Compliance
- ▶ Contractor QC Services
- ▶ Subcontract Drilling Services
- ▶ Industrial Hygiene Consulting
- ▶ Environmental Health & Safety

CORPORATE HEADQUARTERS
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Toll Free: (800) 226-7522
Phone: (561) 347-0070
Fax: (561) 395-5805

TeamGFA.com

Offices Throughout Florida

We Know Earth Work
GEOTECHNICAL SERVICES

Proper groundwork must be completed before laying the foundation for any successful project. Our Geotechnical Engineering Specialists utilize advanced geotechnical drilling equipment and a full support staff of highly skilled technicians. Utilizing the latest design software to evaluate your site, we provide innovative, practical recommendations for support of all types of structures. GFA specializes in foundation recommendations and geotechnical analysis including:

- Preliminary Site Reconnaissance
- Subsurface Soil Investigations
- Foundation Analysis
- Dynamic Cone Penetrometer
- Double Ring Infiltrometer
- Pile Load Testing
- Exfiltration Tests
- Infiltration Tests
- Standard Penetration Testing
- Static Cone Penetration Tests
- Drilling
- Rock Coring
- Split Spoon Sampling
- Muck Probes
- Roadway Cores
- Undisturbed Sampling of Soil
- Ground Penetrating Radar

We Keep Florida Safe & Sound
BUILDING INSPECTIONS

GFA can provide in-progress construction inspection services on a variety of residential and commercial projects in order to optimize contractor and subcontractor compliance with approved plans, building codes having jurisdiction and accepted industry standards.

- Threshold Inspections
- Special Inspections
- Unit Masonry
- Structural Steel
- Truss Engineering
- Roofing Inspections
- Fire Proofing
- Stucco
- Windows & Doors
- Foundation Systems
- Post-Tensioned Concrete

Protecting Your Business Interests
ENVIRONMENTAL SERVICES

GFA investigates and advises our clients on environmental issues that can effect property transactions and future development decisions. Our knowledge, experience, and understanding of potential environmental liabilities helps our clients achieve their business goals while minimizing their environmental risks. Services include:

- Phase I and II Site Assessments
- Contamination Assessment & Remediation
- Property Condition Assessments
- Underground Storage Tank Assessments, Removal & Closure
- Hazardous & Toxic Waste Assessments
- Remedial Action Plans
- Water Sampling
- Soil Testing
- Monitoring Wells
- Brownfield Assessments
- Geoprobe Services

We Have A Strong Foundation
CONSTRUCTION MATERIALS TESTING

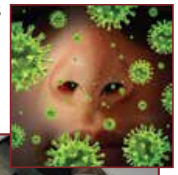
GFA has extensive experience providing Construction Materials Testing (CMT) Services for developers, contractors, and government agencies. Our team of engineering technicians provide accurate testing and quality control that successfully guides our clients through stringent project specifications, difficult construction schedules and complex government regulations. With laboratories strategically located throughout the state, GFA has the expertise, experience, and staff you need for all your Construction Materials Testing Needs.

- Soils
- Concrete & Aggregate
- Asphalt
- Soil-Cement
- Construction Monitoring & Inspections

We Keep You & Your Property Healthy
INDUSTRIAL HYGIENE / ENVIRONMENTAL HEALTH & SAFETY

GFA's team of certified industrial hygienists and safety professionals provide consulting services geared towards preventing workplace or job site exposure to chemical, biological and physical hazards; as well as comprehensive health and safety services. GFA develops cost-effective solutions for ensuring your organization is OSHA compliant. Some of our services include:

- Asbestos/Lead Abatement Planning & Consulting
- Indoor Air Quality Assessments
- HVAC Inspection & Design Review
- Mold Testing & Remediation Design
- Water Intrusion Investigations
- Comprehensive Industrial Hygiene Services
- Radon Testing Services
- Hazardous Material Survey/Monitoring
- OSHA Compliance Audits/Gap Assessments
- OSHA Program Support/Outsourcing
- OSHA Monitoring
- Training
- Expert Witness



We Know The Codes
BUILDING CODE COMPLIANCE

GFA's team brings our renowned reputation for superior client service and thorough knowledge and complete understanding of Florida's Building Code(s). Our team of professionals have many years of experience and have provided Building Code Administration, Inspection, Permit Plan Review and Fire Safety services for dozens of municipalities, schools, government agencies and private clients.

- Private Provider Services
- Municipal Support Services
- Blower Door Testing Services

OUR MISSION STATEMENT

To provide world-class engineering services to our customers with a dedication to professionalism, customer satisfaction, accuracy, timeliness and unparalleled value.

We Have The Credentials

GFA is a licensed Professional Engineering, Geology and Asbestos business. We are also a certified Small Business for NAICS Codes:

▶ 541330	Engineering Services
▶ 541350	Building Inspection Services
▶ 541380	Testing Laboratories
▶ 541620	Environmental Consulting
▶ 541990	All Other Professional, Scientific, and Technical Services
▶ 562112	Hazardous Waste Collection
▶ 562910	Remediation Services
▶ 236220	Commercial and Institutional Building Construction
▶ 237110	Water / Sewer Line and Related Structures Construction
▶ 237990	Other Heavy and Civil Engineering Construction

Certifications & Validations

US Army Corps of Engineers

CMEC

FDOT

MIAMI-DADE COUNTY APPROVED

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TEAM GFA CONTACTS

Our professional engineers, geologists, and operations staff are dedicated to making your project a success, both on schedule and within budget. We are proud of our commitment to maintaining the highest levels of customer service and client satisfaction.

Contact us to discuss your project's requirement and special needs.

CORPORATE HEADQUARTERS
1215 Wallace Drive
Delray Beach, Florida 33444
Phone: (561) 347-0070
Fax: (561) 395-5805

FORT MYERS
5851 Country Lakes Drive
Fort Myers, Florida 33905
Phone: (239) 489-2443
Fax: (239) 489-3438

PORT ST. LUCIE
607 Northwest Commodity Cove
Port St. Lucie, Florida 34986
Phone: (772) 924-3575
Fax: (772) 924-3580

MIAMI
1565 NW 88th Avenue, Suite C
Miami, Florida 33172
Phone: (305) 945-1990
Fax: (305) 945-1911

SARASOTA
677 North Washington Boulevard
Sarasota, Florida, 34236
Phone: (941) 893-4330
Fax: (941) 893-4331

TeamGFA.com

I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE	32. DATE 07/18/2018
33. NAME AND TITLE Frederick Kaub, P.G., L.A.C. - President	

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(if any)*
PSEN-18-02

PART II - GENERAL QUALIFICATIONS

2a. FIRM (OR BRANCH OFFICE) NAME GFA INTERNATIONAL, INC.			3. YEAR ESTABLISHED 1988
4. DUNS NUMBER 0497156504			
2b. STREET 1215 Wallace Drive			5. OWNERSHIP
2c. CITY Delray Beach	2d. STATE FL	2e. ZIP CODE 33444	a. TYPE S-Corporation
6a. POINT OF CONTACT NAME AND TITLE Frederick G. Kaub, P.G., President			b. SMALL BUSINESS STATUS Federal Government Small Business: NAICS Codes: 541330; 541380; 541620, and 562910
6b. TELEPHONE NUMBER (561) 347-0070	6c. E-MAIL ADDRESS fkaub@teamgfa.com		7. NAME OF FIRM *(If block 2a. is a branch office)*

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

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	c. No. of Employees (2) BRANCH
09	Soil/Geo-Tech Engineer	12	
12	Professional Engineers	12	
15	Construction Inspectors	45	
24	Environmental Scientists	8	
30	Geologists	3	
34	Hydrogeologists	3	
36	Industrial Hygienist	1	
48	Project Managers	10	
58	Technician/Analysts	38	
	Other Employees	50	
	Total	182	

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

a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
E09	Environmental Impact/Assessments	2
E12	Environmental Remediation	3
E13	Environmental Testing	3
S05	Soils and Geologic Studies/Foundation	7
T02	Testing & Inspection Services	7

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

a. Federal Work	6
b. Non-Federal Work	7
c. Total Work	8

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,000
2. $100,00 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 million
10. $50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE	b. DATE July 18, 2018
c. NAME AND TITLE Frederick Kaub, P.G., L.A.C.	

AUTHORIZED FOR LOCAL REPRODUCTION
MANDATORY USE DATE OF FORM 5/1/2004

STANDARD FORM 330 (1/2004) **PAGE 6**

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

CECOS Environmental Consulting

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
Mark Clark, M.S., CEP	Sr. Environmental Scientist III	27	3

15. FIRM NAME AND LOCATION *(City and State)*
Cyriacks Environmental Consulting Services,(CECOS) Inc. Deerfield Beach, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*
M.S., Entomology, Rutgers University, New Jersey, 1989
B.S., University of Tampa, Tampa, Florida, 1986

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
N/A

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Certified Environmental Professional No. 0349, The Academy of Board Certified Environmental Professionals. July 1997
USACE Certified Wetland Delineator
FDOT Water Quality Certification
Florida Stormwater, Erosion and Sedimentation Control Inspector Qualification – 2015

19. RELEVANT PROJECTS

a.
(1) TITLE AND LOCATION *(City and State)*
SR 786/PGA Boulevard,
FDOT District 4, Palm Beach County, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2015
CONSTRUCTION (If Applicable): N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
[X] Check if project performed with current firm

Environmental Permitting, Wetland and Protected Species Evaluations - This 2.0-mile project involves elevating the roadway and constructing a new bridge to improve water flow and reduce flooding. Senior Environmental Scientist responsible for conducting biological evaluations, habitat mapping of 6,589 acres in Loxahatchee Slough, and environmental permitting for direct and indirect impacts in Palm Beach County. Extensive coordination with South Florida Water Management District (SFWMD), US Army Corps of Engineers (USACE) PBERM, and FDOT is required. In addition, Mr. Clark served as part of the Technical Advisory Group (TAG) for the Design-Build phase of this project. Specific responsibilities include the technical review and coordination.

b.
(1) TITLE AND LOCATION *(City and State)*
Districtwide Environmental Compliance Monitoring,
FDOT District 6, Various Roads, Miami-Dade & Monroe Counties, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION (If Applicable): N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
[X] Check if project performed with current firm

Environmental Compliance – Contract involves providing environmental compliance services for all FDOT construction projects. Project Manager/Senior Scientist responsible for project management, technical and permitting support, and oversight of environmental compliance site inspections for construction projects for compliance with environmental permit conditions, National Environmental Policy Act (NEPA) commitments, and erosion control/SWPPP. In addition, Senior Environmental Scientist responsible for permit and NEPA compliance oversight, on behalf of FDOT, for those Local Agency Program (LAP) where such permit conditions and NEPA commitments apply.

c.
(1) TITLE AND LOCATION *(City and State)*
SR 9/I-95 Interchange at 6th Avenue Project Development and Environment (PD&E) Study, FDOT District 4, Palm Beach County, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION (If Applicable): N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
[X] Check if project performed with current firm

NEPA Documentation, Wetland and Protected Species Evaluations - This project proposes improvements to the SR 9/I-95 Interchange at 6th Avenue South in the City of Lake Worth between the 10th Avenue North Interchange and the Lantana Road Interchange. The corridor is developed with several residential neighborhoods and community features adjacent to the corridor. Senior Environmental Scientist responsible for preparing and coordinating the socio-economic, air quality, Section 4(f) DOA, and natural resources components of this PD&E Study.

d.
(1) TITLE AND LOCATION *(City and State)*
Florida's Turnpike Enterprise (FTE) Resurfacing, Guardrail and Shoulder Gutter Design Project, FTE, St. Lucie County, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION (If Applicable):

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
[X] Check if project performed with current firm

Wetland Delineation - This project proposes repaving the FTE mainline, intermittent shoulder widening, drainage improvements, guardrail and culvert repair for this 16-mile segment of Florida's Turnpike. Senior Environmental Scientist responsible for wetland delineation and selected species reviews associated with the culvert repairs and widening areas.

e.
(1) TITLE AND LOCATION *(City and State)*
SR A1A, Shorewinds Drive to the Indian River County Line,
FDOT District 4, St. Lucie County, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2012
CONSTRUCTION (If Applicable): N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
[ ] Check if project performed with current firm

Wildlife Evaluation - This 5.2-mile project involved the installation of a sidewalk and slope repair along SR A1A. Adjacent to this corridor are several public conservation lands with resident gopher tortoises. Senior Environmental Scientist responsible for a 30% and 100% gopher tortoise survey of the proposed work area.

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
Jenna Santangelo	Sr. Environmental Scientist II	16	5

15. FIRM NAME AND LOCATION *(City and State)*
Cyriacks Environmental Consulting Services (CECOS), Inc. Deerfield Beach, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*
- M.S. Oceanography/Coastal Zone Management. Florida Institute of Technology, 2000.
- B.S. Biology. University of Richmond, 1993.

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
N/A

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
- Certified Nitrox and PADI Rescue SCUBA diver
- 38 Hour USACE Wetland Delineation and Management Training Program
- Florida Association of Environmental Professionals (Treasurer and Director 2009-2012)

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
SR-806/Atlantic Avenue from West of SR-7/US-441 to East of Lyons Road in Palm Beach County, FDOT District 4, Palm Beach County, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If Applicable)*: N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
[X] Check if project performed with current firm

Environmental Permitting - This FDOT project involves reconstructing a 1.1 mile existing two-lane road into four-lanes with median accommodations for an ultimate six-lane urban typical section, as well as relocating the LWDD's L-34 Canal. Senior Environmental Scientist responsible for wetland delineation, mitigation, and SFWMD and USACE environmental permitting.

b.

(1) TITLE AND LOCATION *(City and State)*
SR 710/Beeline Highway Design-Build, FDOT District 4, Palm Beach & Martin Counties, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If Applicable)*: N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
[X] Check if project performed with current firm

Environmental Permitting and Support Environmental Studies, RFP Package Development & Post-Design Review - This project involves widening SR 710 from Martin/PBC Line to the Pratt & Whitney entrance, a distance of approximately 5.7 miles. Senior Environmental Scientist responsible for conducting wetland delineation, coordinating with agencies on over 90 acres of wetland impacts, developing functional assessment scores and cumulative impact analysis for mitigation, assisting with development of ITB and preparing the applications for SFWMD ERP and USACE Section 404 Dredge/Fill Permit.

c.

(1) TITLE AND LOCATION *(City and State)*
SR 80/Southern Boulevard and I-95 Interchange PD&E Study, FDOT District 4, Palm Beach County, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If Applicable)*: N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
[X] Check if project performed with current firm

NEPA Documentation and Support Environmental Studies - This FDOT project involves the evaluation of viable alternatives and alignments at an existing interchange. Senior Environmental Scientist responsible for conducting all field work and preparing the Natural Resources Evaluation Report.

d.

(1) TITLE AND LOCATION *(City and State)*
SR 710/Beeline Highway, FDOT District 4, Palm Beach County, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If Applicable)*: N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
[X] Check if project performed with current firm

Environmental Permitting and Support Environmental Studies - This project involves widening SR 710 from Northlake Boulevard to SR 708/Blue Heron Boulevard, a distance of approximately 3.1 miles. Senior Environmental Specialist responsible for agency coordination, wetland delineation and impact assessment, and preparation of ERP applications for SFWMD and USACE.

e.

(1) TITLE AND LOCATION *(City and State)*
SR 9/I-95 Interchange at 6th Avenue South PD&E Study, FDOT District 4, Palm Beach County, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If Applicable)*: N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
[X] Check if project performed with current firm

NEPA Documentation and Support Environmental Studies - This FDOT project involves the evaluation of viable alternatives and alignments at an existing interchange. Senior Environmental Scientist responsible for preparing the Natural Resources Evaluation Report, and assisting with preparation of the Section 4(f), Socio-Cultural, and Air Quality Reports.

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.)

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	20. EXAMPLE PROJECT KEY NUMBER
I-75 Segment E – Environmental Permitting, Wetland Restoration & Monitoring, Broward County, FL	2018	1
	PROFESSIONAL SERVICES	
	Environmental Permitting & Wetland Restoration	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Dragados USA	Javier Sanchez del Rio Gonzalez	

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

This FDOT Project is currently constructing an expansion of I-75 from north of Griffin Road to I-595 (referred to as Segment E) to include express lanes within the existing median. The proposed improvements also include drainage improvements and noise barriers. CECOS provided environmental permitting and list species surveys for the Design-Build Team.

CECOS was a subconsultant to WSP and was responsible for modifying the U.S. Army Corps of Engineers (USACE) permit due to design changes including the construction of a noise barrier and drainage improvements within jurisdictional wetlands and filling a pond. The permit was originally obtained for the entire corridor from Miami Gardens Drive in Miami-Dade County to I-595 in Broward County. We evaluated on-site replacement wetlands, which resulted in zero net impacts to wetlands and required no additional mitigation. The results were presented to the USACE during an interagency meeting on behalf of the FDOT. A permit modification was required for the proposed placement of muck fill into jurisdictional ponds/borrow pits which had substantial vegetated littoral zones. We prepared the permit modification application with the required supporting documentation, which was approved within one month. A second modification was required due to additional changes during construction including impact to over one acre of wetlands. CECOS also permitted this effort which included development of a wetland restoration plan. The plan included restoring 1.22 acres of land impacted by fill activities. This was accomplished by excavating the area to adjacent elevations. This site was monitored for one year and following the final monitoring report, the USACE concurred that the restored site conditions do not require any further action or monitoring.

CECOS also conducted a pre-construction survey within the project corridor to determine if burrowing owls and other listed species had colonized the corridor since the completion of the PD&E study.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	CECOS, Inc	Deerfield Beach, Florida	Sub Consultant

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.)

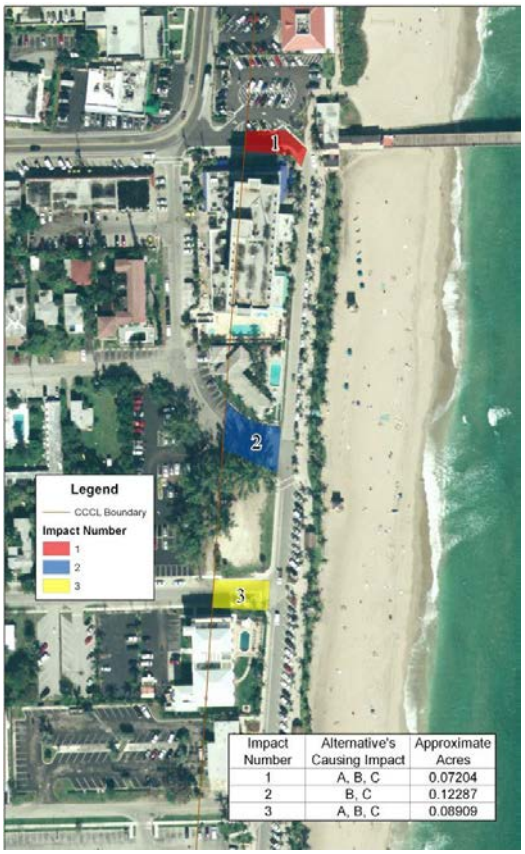
21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	20. EXAMPLE PROJECT KEY NUMBER
SR A1A Deerfield Beach PD&E Study & Design City of Deerfield Beach, Broward County, FL	2016	2
	PROFESSIONAL SERVICES NEPA and Environmental Studies	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Deerfield Beach	Manny Sauleda, Metric	(305) 551-8100

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

The City of Deerfield Beach, under the Local Agency Program (LAP) agreement with the Florida Department of Transportation (FDOT), conducted a Project Development and Environment (PD&E) Study to evaluate alternatives for mobility and safety improvements to SR A1A. The project limits are from SE 3rd Street to NE 7th Street, a distance of approximately 0.84 mile. Three alternatives were evaluated for possible improvements and included modifying traffic circulation. Public involvement was a critical component to address potential impacts to businesses, including a reduction of parking.



Impact Number	Alternative's Causing Impact	Approximate Acres
1	A, B, C	0.07204
2	B, C	0.12287
3	A, B, C	0.08909

CECOS was the lead environmental consultant on the project and was responsible for preparing the NEPA document (Categorical Exclusion Type 2). CECOS also prepared the supporting reports: Noise Study Report (NSR), Endangered Species Biological Assessment Report (ESBAR), and Contamination Screening Evaluation Report (CSER). Over 400 noise sensitive sites were identified and evaluated including condominiums, apartments and hotels. We completed a noise analysis and identified impacts to all sensitive sites and defined reasonable and feasible abatement measures. Sea turtle nesting occurs adjacent to the project area so CECOS conducted a night time lighting study to determine potential impact to nesting sea turtles. The project was able to retrofit "turtle-friendly lighting" for new and replaced lights. CECOS also evaluated the Deerfield Beach Fishing Pier and several beach access points as potential Section 4(f) resources.

CECOS evaluated environmental permits required for the project and coordinated with all agencies including Broward County (Stormwater), and SFWMD. Prepared environmental documentation of agency coordination and environmental issues.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	CECOS, Inc	Deerfield Beach, Florida	Sub Consultant
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

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

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
SR 710 / Beeline Highway Project Development & Environment Study Palm Beach & Martin, Counties, Florida	2014	3
	PROFESSIONAL SERVICES NEPA Documentation	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
FDOT District 4 / TranSystems Corporation	Donovan Pessoa, P.E.	(954) 777-4442

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

- Experienced in impact evaluations of complex sites and the preparation of NEPA, Section 4(f) documents and detailed environmental reports and agency coordination.
- Experienced in environmental evaluation of large, complex projects, including protected species surveys, Section 7 Consultation and Endangered Species Biological Assessments.
- Experienced in wetland mapping, delineation, and evaluation, including the development of mitigation plans

Description of Work: This 25 mile road improvement and transit feasibility project extended from just east of SR 76 to Blue Heron Boulevard. The project traversed extensive environmentally sensitive areas including eight public/conservation lands, significant wetlands and habitat for listed species.

CECOS was the environmental lead for the project; and was responsible for conducting wetland and threatened and endangered species studies, GIS mapping of wetland and upland habitats, identification of Section 4(f) resources, contamination assessment, and preparation of NEPA and support environmental documents. CECOS conducted a corridor analysis of environmental issues for five different project corridors and evaluated the environmental issues associated with various transit alternatives along the corridor, including rail and bus. Specific responsibilities included conducting wetland/habitat mapping of over 930 acres, threatened & endangered species surveys, socio-economic impact analysis, contamination screening evaluation study and the development and implementation of an environmental public involvement plan, development of UMAMs and a conceptual mitigation plan.

Field survey methodologies for listed species were developed and approved by USFWS and FFWCC. Protected species and bird nesting surveys were conducted for eastern indigo snake, Everglade snail kite, sandhill crane, wood stork state-listed wading birds, red-cockaded woodpecker and Audubon's crested caracara. A Wildlife Crossing Study was conducted to identify potential location(s) for a crossing under the roadway. Additional responsibilities included identification and evaluation of secondary and cumulative impacts and development of mitigation plans. We assisted with the public involvement effort that was required due to the significant environmental issues and controversy associated with the project.

A Section 4(f) Determination of Applicability was prepared for nine resources along the corridor. The preferred alternative was developed to avoid the direct use and constructive use of these properties. CECOS also evaluated a shared use path outside the right of way, which would have impacted Section 4(f) properties as well as wetlands and listed species habitats. Ultimately, the path was eliminated because of these potential impacts.

CECOS prepared the Finding of No Significant Impact and Draft and Final Environmental Assessments along with the environmental support documentation, including a Wetland Evaluation Report, an Endangered Species Biological Assessment Report, and a Contamination Screening Assessment Report. Additional responsibilities included the evaluation of secondary and cumulative impacts and the development of a compensatory mitigation plan. The FONSI has received final FHWA signatures.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	CECOS, Inc	Deerfield Beach, Florida	Sub Consultant

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.)

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	20. EXAMPLE PROJECT KEY NUMBER
Wood Stork Use of Roadway Corridor Features in South Florida, Okeechobee County, FL	2017	4
	PROFESSIONAL SERVICES: Wildlife Study	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Florida Atlantic University (FAU)	Dale Gawlick, Ph.D.	(561) 297-3333

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

Description of Work: Wood stork nesting colonies are located throughout southern Florida and adult storks often feed (themselves and their nestlings) along road sides or stormwater ponds, suggesting roadway corridors can provide feeding habitat. Alternatively, their presence suggests there are at least some wood storks that do not require optimal foraging conditions. Some roadways seem to have more wood storks than others, which could indicate the surrounding landscape affects corridor use.

These questions are important to the Florida Department of Transportation (FDOT) because under Section 404 of the Clean Water Act, the FDOT is required to evaluate and mitigate for wetland habitat impacts due to roadway improvements. These improvements often affect natural wetlands or existing drainage features within the right of way or in adjacent lands that need to be acquired. In addition, additional wood stork foraging habitat mitigation is often required under Section 7 of the Endangered Species Act. Thus, an accurate estimate of prey items produced in roadway corridors and surrounding wetlands is critical when mitigation requires that "…habitat compensation replaces the foraging value matching the hydroperiod [length of time a wetland remains inundated] of the wetlands affected and provides foraging value similar to, or higher than, that of impacted wetlands" as specified in guidelines of section 404 of the Clean Water Act.

CECOS assisted Florida Atlantic University (FAU) in a study over two water-years to investigate the characteristics of roadway features that affect their use by wood storks and to quantify the community structure of wood stork prey produced. This information is needed so that the use of roadway features can be related to the production of wood stork prey items, either to enhance these features (create suitable foraging habitat) or to discourage their use (roadways near nesting colonies). Ultimately, a refinement of the fish biomass estimate in corridors with particular features and surrounding landscapes may be appropriate and these estimates could produce a different estimate of habitat impact and mitigation requirements. This could decrease project costs substantially.

CECOS developed maps and provided data layers of habitat and roadside corridor features. These maps were ground-truthed. CECOS then characterized the morphology and related plant community structure of prey sampling sites. Finally, CECOS' staff scientists assisted FAU in the refinement of the Suitable Wood Stork Biomass calculations used by the U.S. Fish and Wildlife Service for FDOT projects.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	CECOS, Inc	Deerfield Beach, Florida	Sub Consultant

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.)

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	20. EXAMPLE PROJECT KEY NUMBER
US 1 / FEC and Expansion of Runway 9R-27L Fort Lauderdale-Hollywood International Airport Broward County, FL	2014	5
	PROFESSIONAL SERVICES Environmental Permitting, Wetland Studies, and Wildlife Studies	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Broward County Board of County Commissioners operated by the Broward County Aviation Department HNTB / Tutor-Perini	Scott Dean P.E., HNTB	(407) 805-0355

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

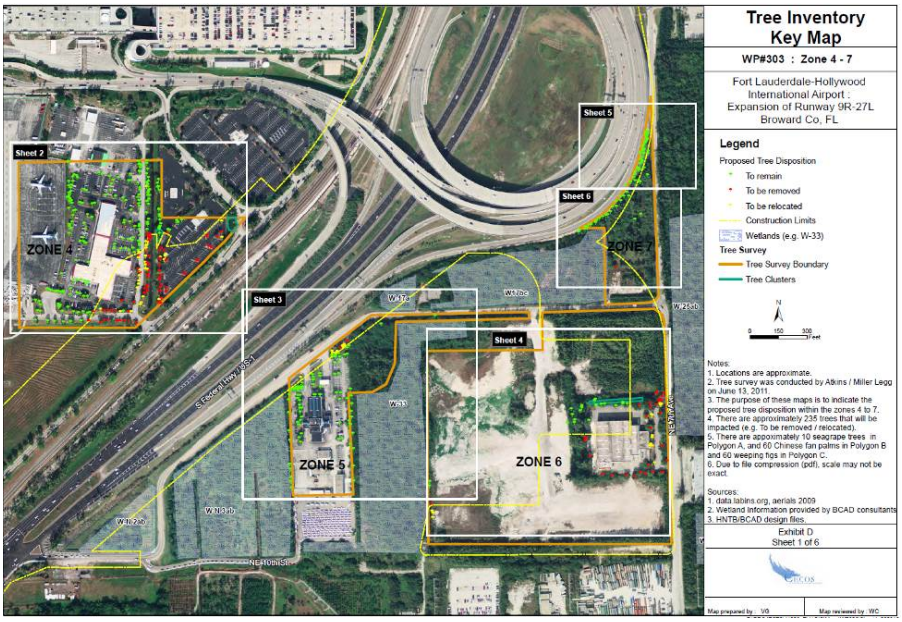
Description of Work: The overall project involved the Runway Expansion to Fort Lauderdale-Hollywood International Airport (FLL) and modifications to US 1. The proposed Design-Build project consisted of development of five design packages plus associated work. Additional work included all of the ancillary and associated project elements that provided the new roadway and structure system. In addition, NE 10th Street was extended to connect to NE 7th Avenue and the contract included finalizing design plans and obtain all required permits and/or modifications.

CECOS provided environmental permitting and related consulting services for the design and construction of this important County project. CECOS also assisted in providing wetlands delineation, tree surveys, contamination assessments (for dewatering), species surveys, and environmental permitting during the design and construction phases. Environmental permitting services have included preparation of permit applications; support environmental surveys and documentation; coordination with agencies and submittal and tracking of all applications during design and construction of the runway project. CECOS also provided guidance on permit compliance issues.

CECOS prepared/obtained and/or modified the following permits for various design and construction phases:

- SFWMD Environmental Resource Permit
- SFWMD Dewatering Permit
- USACE Dredge/Fill Permit
- BC EPGMD Environmental Resource License
- BC EPGMD Surface Water Management License
- BC EPGMD Tree Removal License
- BC EPGMD Dewatering Authorization

CECOS also conducted Permit closeout activities for the above permits.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	CECOS, Inc	Deerfield Beach, Florida	Sub Consultant

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Mark Clark, M.S., CEP	Project Manager / Sr Environmental Scientist III	X	X	X	X	X					
Jenna Santangelo, M.S.	Sr Environmental Scientist II		X	X		X					

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	I-75 Segment E – Environmental Permitting, Wetland Restoration & Monitoring, Broward County, FL	6	
2	SR A1A Deerfield Beach PD&E Study & Design City of Deerfield Beach, Broward County, FL	7	
3	SR 710 / Beeline Highway Project Development & Environment Study, Palm Beach & Martin, Counties, FL	8	
4	Wood Stork Use of Roadway Corridor Features in South Florida, Okeechobee County, FL	9	
5	US 1 / FEC and Expansion of Runway 9R-27L Fort Lauderdale-Hollywood International Airport, Broward County, FL	10	

H. ADDITIONAL INFORMATION

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

Cyriacks Environmental Consulting Service, Inc. (CECOS) was formed in 2003 to provide public and private sector clients with high quality, professional environmental and ecological consulting services. Wendy Cyriacks, with over 25 years of environmental experience in south Florida, is President of CECOS.

CECOS has the expertise and staffing to provide high quality environmental services to your needs. Our approach is to:

- Provide our clients with innovative solutions to avoid and minimize impacts to our natural resources,
- Integrate projects into the environment, and
- Achieve the goals of our clients in a cost effective manner.

CECOS provides a wide range of environmental and ecological consulting services including NEPA documentation, environmental permitting, environmental monitoring and permit compliance, mitigation and the investigation and analysis of impacts to terrestrial, wetland and coastal marine resources in tropical and subtropical environments. We specialize in providing these services to public sector clients including Florida Department of Transportation, Palm Beach County Department of Airports, Broward County Aviation Department and Seaport Engineering and Construction (Port Everglades), Miami-Dade County, US Army Corps of Engineers (USACE), South Florida Water Management District (SFWMD), and various counties, municipalities and utilities. CECOS professional staff have over 95 years of combined environmental and ecological experience in south Florida.

CECOS is a 100% Woman Owned Company and is a certified Minority/Women Business Enterprise (M/WBE) with the State of Florida, a Disadvantaged Business Enterprise (DBE) and Small Business Enterprise (SBE) with the Florida Department of Transportation (FDOT), a SBE with the South Florida Water Management District (SFWMD), a Community Business Enterprise (CBE) with Broward County, Miami-Dade County SBE|GS and SBE|AE. CECOS is also self-certified with the Federal Government as a woman-owned, small business. CECOS is a Florida Corporation with its corporate office located in Deerfield Beach, Broward County, Florida.

We are committed to exceeding your expectations!

CECOS

a. SIGNATURE	b. DATE
Wendy Cyriacks	7/18/18
c. NAME AND TITLE Wendy Cyriacks, President	

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any): PSEN-18-02

PART II – GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME	Cyriacks Environmental Consulting Services (CECOS), Inc.
3. YEAR ESTABLISHED	2003
4. DUNS NUMBER	140307369
2b. STREET	3001 SW 15th Street, Suite B
2c. CITY	Deerfield Beach
2d. STATE	FL
2e. ZIP CODE	33442
5. OWNERSHIP a. TYPE	S Corporation
b. SMALL BUSINESS STATUS	State of Florida WBE / DBE / SBE
6a. POINT OF CONTACT NAME AND TITLE	Wendy Cyriacks, President
6b. TELEPHONE NUMBER	(954) 571-0290
6c. E-MAIL ADDRESS	wc@cecosenvironmental.com
7. NAME OF FIRM *(If block 2a is a branch office)*	
8a. FORMER FIRM NAME(S) *(If any)*	
8b. YR. ESTABLISHED	
8c. DUNS NUMBER	

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	c. No. of Employees (2) BRANCH
02	Administrative	2	
07	Biologist	4	
24	Environmental Scientist	1	
29	GIS Specialist	1	
23	Environmental Engineer	1	
	Other Employees		
	Total	9	

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

a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
E01	Ecological Studies	3
E09	Environmental Impact Studies, Assessments	3
E10	Environmental & Resource Mapping	1
E11	Environmental Planning	3

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	4
c. Total Work	4

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,000
2. $100,00 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 million
10. $50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts

a. SIGNATURE

b. DATE: 7/16/18

c. NAME AND TITLE: Wendy Cyriacks, President

AUTHORIZED FOR LOCAL REPRODUCTION

STANDARD FORM 330 (REV. 3/2013) **PAGE**

3. CERTIFIED MINORITY BUSINESS ENTERPRISE

Chen Moore and Associates is not a Certified Minority Business Enterprise as defined by the Florida Small and Minority Business Assistance Act; however, our subconsultants via planning for traffic services and CECOS Environmental Consulting for environmental and wetland mitigation services holds the certificate as indicated below.

State of Florida

Woman & Minority Business Certification

via planning, inc.

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

06/30/2017 to 06/30/2019

Erin Rock, Secretary
Florida Department of Management Services

office of supplier DIVERSITY

Office of Supplier Diversity • 4050 Esplanade Way, Suite 380 • Tallahassee, FL 32399 • 850-487-0915 • www.dms.myflorida.com/osd

State of Florida

Woman Business Certification

Cyriacks Environmental Consulting Services

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

02/24/2017 to 02/24/2019

Chad Poppell, Secretary
Florida Department of Management Services

office of supplier DIVERSITY

Office of Supplier Diversity • 4050 Esplanade Way, Suite 380 • Tallahassee, FL 32399 • 850-487-0915 • www.dms.myflorida.com/osd

4. OTHER COMPLETED DOCUMENTS

(OFFICE USE ONLY) Vendor number: _____

Please entirely complete this vendor information form along with the IRS Form W-9, and email to accountspayable@ppines.com
City of Pembroke Pines
Finance Department
601 City Center Way
Pembroke Pines, FL 33025

Vendor Information Form

Operating Name (Payee)	Chen Moore and Associates, Inc.		
Legal Name (as filed with IRS)	Chen Moore and Associates, Inc.		
Remit-to Address (For Payments)	500 W Cypress Creek Road, Suite 630		
	Fort Lauderdale, FL 33309		
Remit-to Contact Name:	Melissa Dannelly	**Title:**	Staff Accountant
Email Address:	mdannelly@chenmoore.com		
Phone #:	(954) 730-0707 x1175	**Fax #**	(965) 730-0707
Order-from Address (For purchase orders)	500 W Cypress Creek Road, Suite 630, Fort Lauderdale, FL 33309		
Order-from Contact Name:	Melissa Dannelly	**Title:**	Staff Accountant
Email Address:	mdannelly@chenmoore.com		
Phone #:	(954) 730-0707 x1175	**Fax #**	(965) 730-0707
Return-to Address (For product returns)	500 W Cypress Creek Road, Suite 630, Fort Lauderdale, FL 33309		
Return-to Contact Name	Melissa Dannelly	**Title:**	Staff Accountant
Email Address:	mdannelly@chenmoore.com		
Phone #:	(954) 730-0707 x1175	**Fax #**	(965) 730-0707
Payment Terms:	Lump Sum/Net 30		

Type of Business (please check one and provide Federal Tax identification or social security Number)

- [X] **Corporation**
- [ ] **Sole Proprietorship/Individual**
- [ ] **Partnership**
- [ ] **Health Care Service Provider**
- [ ] **LLC – C (C corporation) – S (S corporation) – P (partnership)**
- [ ] **Other (Specify):** _____

Federal ID Number: 59-2739866
Social Security No.: _____

Name & Title of Applicant Peter Moore, P.E., F.ASCE, ENV SP, LEED AP, President and CEO

Signature of Applicant _____ **Date** July 17, 2018

Form **W-9**
(Rev. November 2017)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

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

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

Print or type. See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.
Chen Moore and Associates, Inc

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

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

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

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

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

☐ Other (see instructions) ▶

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

Exempt payee code (if any)

Exemption from FATCA reporting code (if any)

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

5 Address (number, street, and apt. or suite no.) See instructions.
500 W Cypress Creek Rd Ste 630

Requester's name and address (optional)

6 City, state, and ZIP code
Ft Lauderdale FL 33309

7 List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

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

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

Social security number
☐☐☐ – ☐☐ – ☐☐☐☐

or

Employer identification number
5 9 – 2 7 3 9 8 6 6

Part II Certification

Under penalties of perjury, I certify that:

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

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

Sign Here **Signature of U.S. person ▶** **Date ▶** 1/20/2018

General Instructions

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

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

Purpose of Form

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

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

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

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

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),

2. Certify that you are not subject to backup withholding, or

3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and

4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting,* later, for further information.

Note: If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien;
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States;
- An estate (other than a foreign estate); or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

In the cases below, the following person must give Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States.

- In the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the entity;
- In the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the trust; and
- In the case of a U.S. trust (other than a grantor trust), the U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person, do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Pub. 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items.

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.

2. The treaty article addressing the income.

3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.

4. The type and amount of income that qualifies for the exemption from tax.

5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

Backup Withholding

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS 28% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester,

2. You do not certify your TIN when required (see the instructions for Part II for details),

3. The IRS tells the requester that you furnished an incorrect TIN,

4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or

5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See *Exempt payee code,* later, and the separate Instructions for the Requester of Form W-9 for more information.

Also see *Special rules for partnerships,* earlier.

What is FATCA Reporting?

The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all United States account holders that are specified United States persons. Certain payees are exempt from FATCA reporting. See *Exemption from FATCA reporting code,* later, and the Instructions for the Requester of Form W-9 for more information.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account; for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of $50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a $500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Line 1

You must enter one of the following on this line; **do not** leave this line blank. The name should match the name on your tax return.

If this Form W-9 is for a joint account (other than an account maintained by a foreign financial institution (FFI)), list first, and then circle, the name of the person or entity whose number you entered in Part I of Form W-9. If you are providing Form W-9 to an FFI to document a joint account, each holder of the account that is a U.S. person must provide a Form W-9.

a. **Individual.** Generally, enter the name shown on your tax return. If you have changed your last name without informing the Social Security Administration (SSA) of the name change, enter your first name, the last name as shown on your social security card, and your new last name.

Note: ITIN applicant: Enter your individual name as it was entered on your Form W-7 application, line 1a. This should also be the same as the name you entered on the Form 1040/1040A/1040EZ you filed with your application.

b. **Sole proprietor or single-member LLC.** Enter your individual name as shown on your 1040/1040A/1040EZ on line 1. You may enter your business, trade, or "doing business as" (DBA) name on line 2.

c. **Partnership, LLC that is not a single-member LLC, C corporation, or S corporation.** Enter the entity's name as shown on the entity's tax return on line 1 and any business, trade, or DBA name on line 2.

d. **Other entities.** Enter your name as shown on required U.S. federal tax documents on line 1. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on line 2.

e. **Disregarded entity.** For U.S. federal tax purposes, an entity that is disregarded as an entity separate from its owner is treated as a "disregarded entity." See Regulations section 301.7701-2(c)(2)(iii). Enter the owner's name on line 1. The name of the entity entered on line 1 should never be a disregarded entity. The name on line 1 should be the name shown on the income tax return on which the income should be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a single owner that is a U.S. person, the U.S. owner's name is required to be provided on line 1. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on line 2, "Business name/disregarded entity name." If the owner of the disregarded entity is a foreign person, the owner must complete an appropriate Form W-8 instead of a Form W-9. This is the case even if the foreign person has a U.S. TIN.

Line 2

If you have a business name, trade name, DBA name, or disregarded entity name, you may enter it on line 2.

Line 3

Check the appropriate box on line 3 for the U.S. federal tax classification of the person whose name is entered on line 1. Check only one box on line 3.

IF the entity/person on line 1 is a(n) . . .	THEN check the box for . . .
• Corporation	Corporation
• Individual • Sole proprietorship, or • Single-member limited liability company (LLC) owned by an individual and disregarded for U.S. federal tax purposes.	Individual/sole proprietor or single-member LLC
• LLC treated as a partnership for U.S. federal tax purposes, • LLC that has filed Form 8832 or 2553 to be taxed as a corporation, or • LLC that is disregarded as an entity separate from its owner but the owner is another LLC that is not disregarded for U.S. federal tax purposes.	Limited liability company and enter the appropriate tax classification. (P= Partnership; C= C corporation; or S= S corporation)
• Partnership	Partnership
• Trust/estate	Trust/estate

Line 4, Exemptions

If you are exempt from backup withholding and/or FATCA reporting, enter in the appropriate space on line 4 any code(s) that may apply to you.

Exempt payee code.

- Generally, individuals (including sole proprietors) are not exempt from backup withholding.
- Except as provided below, corporations are exempt from backup withholding for certain payments, including interest and dividends.
- Corporations are not exempt from backup withholding for payments made in settlement of payment card or third party network transactions.
- Corporations are not exempt from backup withholding with respect to attorneys' fees or gross proceeds paid to attorneys, and corporations that provide medical or health care services are not exempt with respect to payments reportable on Form 1099-MISC.

The following codes identify payees that are exempt from backup withholding. Enter the appropriate code in the space in line 4.

1—An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2)

2—The United States or any of its agencies or instrumentalities

3—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

4—A foreign government or any of its political subdivisions, agencies, or instrumentalities

5—A corporation

6—A dealer in securities or commodities required to register in the United States, the District of Columbia, or a U.S. commonwealth or possession

7—A futures commission merchant registered with the Commodity Futures Trading Commission

8—A real estate investment trust

9—An entity registered at all times during the tax year under the Investment Company Act of 1940

10—A common trust fund operated by a bank under section 584(a)

11—A financial institution

12—A middleman known in the investment community as a nominee or custodian

13—A trust exempt from tax under section 664 or described in section 4947

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 7
Broker transactions	Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 4
Payments over $600 required to be reported and direct sales over $5,000[1]	Generally, exempt payees 1 through 5[2]
Payments made in settlement of payment card or third party network transactions	Exempt payees 1 through 4

[1] See Form 1099-MISC, Miscellaneous Income, and its instructions.

[2] However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney reportable under section 6045(f), and payments for services paid by a federal executive agency.

Exemption from FATCA reporting code. The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements. A requester may indicate that a code is not required by providing you with a Form W-9 with "Not Applicable" (or any similar indication) written or printed on the line for a FATCA exemption code.

A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37)

B—The United States or any of its agencies or instrumentalities

C—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Regulations section 1.1472-1(c)(1)(i)

E—A corporation that is a member of the same expanded affiliated group as a corporation described in Regulations section 1.1472-1(c)(1)(i)

F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state

G—A real estate investment trust

H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940

I—A common trust fund as defined in section 584(a)

J—A bank as defined in section 581

K—A broker

L—A trust exempt from tax under section 664 or described in section 4947(a)(1)

M—A tax exempt trust under a section 403(b) plan or section 457(g) plan

Note: You may wish to consult with the financial institution requesting this form to determine whether the FATCA code and/or exempt payee code should be completed.

Line 5

Enter your address (number, street, and apartment or suite number). This is where the requester of this Form W-9 will mail your information returns. If this address differs from the one the requester already has on file, write NEW at the top. If a new address is provided, there is still a chance the old address will be used until the payor changes your address in their records.

Line 6

Enter your city, state, and ZIP code.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN.

If you are a single-member LLC that is disregarded as an entity separate from its owner, enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note: See *What Name and Number To Give the Requester,* later, for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local SSA office or get this form online at *www.SSA.gov*. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at *www.irs.gov/Businesses* and clicking on Employer Identification Number (EIN) under Starting a Business. Go to *www.irs.gov/Forms* to view, download, or print Form W-7 and/or Form SS-4. Or, you can go to *www.irs.gov/OrderForms* to place an order and have Form W-7 and/or SS-4 mailed to you within 10 business days.

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note: Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if item 1, 4, or 5 below indicates otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on line 1 must sign. Exempt payees, see *Exempt payee code,* earlier.

Signature requirements. Complete the certification as indicated in items 1 through 5 below.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), ABLE accounts (under section 529A), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account) other than an account maintained by an FFI	The actual owner of the account or, if combined funds, the first individual on the account[1]
3. Two or more U.S. persons (joint account maintained by an FFI)	Each holder of the account
4. Custodial account of a minor (Uniform Gift to Minors Act)	The minor[2]
5. a. The usual revocable savings trust (grantor is also trustee)	The grantor-trustee[1]
b. So-called trust account that is not a legal or valid trust under state law	The actual owner[1]
6. Sole proprietorship or disregarded entity owned by an individual	The owner[3]
7. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulations section 1.671-4(b)(2)(i)(A))	The grantor*
For this type of account:	**Give name and EIN of:**
8. Disregarded entity not owned by an individual	The owner
9. A valid trust, estate, or pension trust	Legal entity[4]
10. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
11. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
12. Partnership or multi-member LLC	The partnership
13. A broker or registered nominee	The broker or nominee
14. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
15. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulations section 1.671-4(b)(2)(i)(B))	The trust

[1] List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

[2] Circle the minor's name and furnish the minor's SSN.

[3] You must show your individual name and you may also enter your business or DBA name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

[4] List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships,* earlier.

***Note:** The grantor also must provide a Form W-9 to trustee of trust.

Note: If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records From Identity Theft

Identity theft occurs when someone uses your personal information such as your name, SSN, or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Pub. 5027, Identity Theft Information for Taxpayers.

Victims of identity theft who are experiencing economic harm or a systemic problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes. Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to *phishing@irs.gov*. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration (TIGTA) at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at *spam@uce.gov* or report them at *www.ftc.gov/complaint.* You can contact the FTC at *www.ftc.gov/idtheft* or 877-IDTHEFT (877-438-4338). If you have been the victim of identity theft, see *www.IdentityTheft.gov* and Pub. 5027.

Visit *www.irs.gov/IdentityTheft* to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. commonwealths and possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.

REQUEST FOR PROPOSAL FORM

City of Pembroke Pines

Attachment C

NON-COLLUSIVE AFFIDAVIT

BIDDER is the President and CEO,
(Owner, Partner, Officer, Representative or Agent)

BIDDER is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

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

Neither the said BIDDER nor any of its officers, partners, owners, agents, representative, employees or parties in interest, including this affidavit, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other BIDDER, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted; or to refrain from bidding in connection with such Contract; or have in any manner, directly or indirectly, sought by agreement or collusion, or communications, or conference with any BIDDER, firm, or person to fix the price or prices in the attached Bid or any other BIDDER, or to fix any overhead, profit, or cost element of the Bid Price or the Bid Price of any other BIDDER, or to secure through any collusion conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Contract;

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

Printed Name/Signature
Peter Moore, P.E., F.ASCE, ENV SP, LEED AP
Title President and CEO

Name of Company Chen Moore and Associates, Inc.

REQUEST FOR PROPOSAL FORM

City of Pembroke Pines

Attachment D

SWORN STATEMENT
ON PUBLIC ENTITY CRIMES
UNDER FLORIDA STATUTES CHAPTER 287.133(3)(a).

1. This sworn statement is submitted Chen Moore and Associates, Inc. (name of entity submitting sworn statement) whose business address is 500 W Cypress Creek Rd., Ste. 630, Fort Lauderdale, FL 33309 and (if applicable) its Federal Employer Identification Number (FEIN) is 59-2739866. (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: _____.)

2. My name is Peter Moore, P.E., F.ASCE, ENV SP, LEED AP and my
(Please print name of individual signing)

relationship to the entity named above is President and CEO.

3. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

4. I understand that a "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

5. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:

   1. A predecessor or successor of a person convicted of a public entity crime: or

   2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The Cityship by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

6. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or any entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders,

REQUEST FOR PROPOSAL FORM

employees, members, and agents who are active in management of an entity.

7. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. **(Please indicate which statement applies.)**

☒ A) Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

☐ B) The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND **(Please indicate which additional statement applies.)**

☐ B1) There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. **(Please attach a copy of the final order.)**

☐ B2) The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. **(Please attach a copy of the final order.)**

☐ B3) The person or affiliate has not been placed on the convicted vendor list. **(Please describe any action taken by or pending with the Department of General Services.)**

	Chen Moore and Associates, Inc.	July 17, 2018
Bidder's Name/Signature	Company	Date
Peter Moore, P.E., F.ASCE, ENV SP, LEED AP		

REQUEST FOR PROPOSAL FORM

CONTACT INFORMATION FORM

IN ACCORDANCE WITH **"RFQ # PSEN-18-02"** titled **"Professional Service Providers (Architectural, Engineering, Surveying & Mapping)"** attached hereto as a part hereof, the undersigned submits the following:

A) Contact Information

The Contact information form shall be electronically signed by one duly authorized to do so, and in case signed by a deputy or subordinate, the principal's properly written authority to such deputy or subordinate must accompany the proposal. This form must be completed and submitted through www.bidsync.com as part of the bidder's submittal.

COMPANY INFORMATION:

COMPANY: Chen Moore and Associates, Inc.

STREET ADDRESS: 500 W Cypress Creek Road, Suite 630

CITY, STATE & ZIP CODE: Fort Lauderdale, FL 33309

PRIMARY CONTACT FOR THE PROJECT:

NAME: Daniel Davila, P.E. TITLE: Sr. Engineer/Branch Manager

E-MAIL: ddavila@chenmoore.com

TELEPHONE: (954) 730-0707 FAX: (954) 730-2030

CORPORATE OFFICER AUTHORIZED APPROVER:

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

E-MAIL: pmoore@chenmoore.com

TELEPHONE: (954) 730-0707 FAX: (954) 730-2030

SIGNATURE:

file:///chenmoore.com/...N-18-02%20-%20Profess/rfp/selectedDocuments/Attachment%20E%20-%20Contact%20Information%20Form.html[7/16/2018 8:43:05 AM]

REQUEST FOR PROPOSAL FORM

PROFESSIONAL SERVICES FORM

Please check the boxes shown below that your company wants to be considered for:

☒	**General Civil and Environmental Engineering Services**
☐	**Treatment Plant Process Engineering Services**
☐	**Electrical Engineering Services**
☐	**Geotechnical Services**
☐	**Structural Engineering Services**
☐	**Land Surveying Services**
☐	**General Architectural Services**
☒	**Landscape Architecture Services**
☐	**Hydro-Geological Services**
☐	**FDOT Roadway Engineering Services**

REQUEST FOR PROPOSAL FORM

City of Pembroke Pines

Attachment G

EQUAL BENEFITS CERTIFICATION FORM
FOR DOMESTIC PARTNERS AND ALL MARRIED COUPLES

Except where federal or state law mandates to the contrary, a Contractor awarded a Contract pursuant to a competitive solicitation shall provide benefits to Domestic Partners and spouses of its employees, irrespective of gender, on the same basis as it provides benefits to employees' spouses in traditional marriages.

The Contractor shall provide the City and/or the City Manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the Contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the City Manager has received a complaint or has reason to believe the Contractor may not be in compliance with the provisions of this section. Records shall include but not be limited to providing the City and/or the City Manager or his/her designee with certified copies of the Contractor's records pertaining to its benefits policies and its employment policies and practices.

The Contractor must conspicuously make available to all employees and applicants for employment the following statement:

> **"During the performance of a contract with the City of Pembroke Pines, Florida, the Contractor will provide Equal Benefits to its employees with spouses, as defined by Section 35.39 of the City's Code of Ordinances, and its employees with Domestic Partners and all Married Couples".**

The posted statement must also include a City contact telephone number and email address which will be provided to each contractor when a covered contract is executed.

SECTION 1 DEFINITIONS

1. **Benefits** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package which may include but is not limited to sick leave, bereavement leave, family medical leave, and health benefits.
2. **Cash Equivalent** mean the amount of money paid to an employee with a domestic partner or spouse in lieu of providing benefits to the employee's domestic partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse from a traditional marriage.
3. **Covered Contract** means a contract between the City and a contractor awarded subsequent to the date when this section becomes effective valued at over $25,000 or the threshold amount required for competitive bids as required in section 35.18(A) of the Procurement Code.
4. **Domestic Partner** shall mean any two (2) adults of the same or different sex who have registered as domestic partners with a governmental body pursuant to state or local law authorizing such registration, or with an internal registry maintained by the employer of at least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partners who do not register their partnerships pursuant to a governmental body authorizing such registration, or who are located in a jurisdiction where no such governmental domestic partnership registry exists. A contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Pembroke Pines.
5. **Equal benefits** means the equality of benefits between employees with spouses and/or dependents of spouses and employees with domestic partners and/or dependents of domestic partners, and/or between spouses of employees and/or dependents of spouses and domestic partners of employees and/or dependents of domestic partners.

REQUEST FOR PROPOSAL FORM

6. **Spouse** means one member of a married pair legally married under the laws of any state within the United States of America or any other jurisdiction under which such marriage is legally recognized, irrespective of gender.

7. **Traditional marriage** means a marriage between one man and one woman.

SECTION 2 CERTIFICATION OF CONTRACTOR
The firm providing a response, by virtue of the signature below, certifies that it is aware of the requirements of Section 35.39 "City Contractors providing Equal Benefits for Domestic Partners and all Married Couples" of the City's Code of Ordinances, and certifies the following (**Check only one box below**):

☒ **A.** Contractor currently complies with the requirements of this section; or

☐ **B.** Contractor will comply with the conditions of this section at the time of contract award; or

☐ **C.** Contractor will not comply with the conditions of this section at the time of contract award: or

☐ **D.** Contractor does not comply with the conditions of this section because of the following allowable exemption **(Check only one box below):**

☐ **1.** The Contractor does not provide benefits to employees' spouses in traditional marriages;

☐ **2.** The Contractor provides an employee the cash equivalent of benefits because the Contractor is unable to provide benefits to employees' Domestic Partners or spouses despite making reasonable efforts to provide them. To meet this exception, the Contractor shall provide a notarized affidavit that it has made reasonable efforts to provide such benefits. The affidavit shall state the efforts taken to provide such benefits and the amount of the cash equivalent. Cash equivalent means the amount of money paid to an employee with a Domestic Partner or spouse rather than providing benefits to the employee's Domestic Partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee's spouse;

☐ **3.** The Contractor is a religious organization, association, society, or any non-profit charitable or educational institution or organization operated supervised or controlled by or in conjunction with a religious organization, association, or society;

☐ **4.** The Contractor is a governmental agency;

The certification shall be signed by an authorized officer of the Contractor. Failure to provide such certification (by checking the appropriate boxes above along with completing the information below) shall result in a Contractor being deemed non-responsive.

COMPANY NAME: Chen Moore and Associates

AUTHORIZED OFFICER NAME / SIGNATURE: Peter Moore, P.E., F.ASCE, ENV SP, LEED AP

City of Pembroke Pines

Attachment M

VENDOR DRUG-FREE WORKPLACE CERTIFICATION FORM

SECTION 1 GENERAL TERM

Preference may be given to vendors submitting a certification with their bid/proposal certifying they have a drug-free workplace in accordance with Section 287.087, Florida Statutes. This requirement affects all public entities of the State and becomes effective January 1, 1991. The special condition is as follows:

IDENTICAL TIE BIDS - Preference may be given to businesses with drug-free workplace programs. Whenever two or more bids that are equal with respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drugfree workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after each conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

SECTION 2 AFFIRMATION

☒ Place a check mark here only if affirming bidder **complies fully** with the above requirements for a Drug-Free Workplace.

☐ Place a check mark here only if affirming bidder **does not** meet the requirements for a Drug-Free Workplace.

Failure to complete this certification at this time (by checking either of the boxes above) shall render the vendor ineligible for Drug-Free Workplace Preference. This form must be completed by/for the proposer; the proposer WILL NOT qualify for Drug-Free Workplace Preference based on their sub-contractors' qualifications.

Authorized Signature	Peter Moore, P.E., F.ASCE, ENV SP, LEED AP Authorized Signer Name	Chen Moore and Associates Company Name

City of Pembroke Pines

Attachment I

PROPOSER'S QUALIFICATIONS STATEMENT

PROPOSER shall furnish the following information. Failure to comply with this requirement will render Bid non-responsive and shall cause its rejection. Additional sheets shall be attached as required.

PROPOSER'S Name and Principal Address:
Chen Moore and Associates, Inc.

500 W Cypress Creek Road, Suite 630

Fort Lauderdale, FL 33309

Contact Person's Name and Title: Daniel Davila, P.E.

Contact Person's E-mail Address: ddavila@chenmoore.com

PROPOSER'S Telephone and Fax Number: (954) 730-0707/(954) 730-2030

PROPOSER'S License Number: 4593
(Please attach certificate of status, competency, and/or state registration.) See the following page

PROPOSER'S Federal Identification Number: 59-2739866

Number of years your organization has been in business 31 years

State the number of years your firm has been in business under your present business name 7 years

State the number of years your firm has been in business in the work specific to this solicitation:
31 years

Names and titles of all officers, partners or individuals doing business under trade name:
Peter Moore, P.E., F.ASCE, ENV SP, LEED AP, President and CEO; Jose L. Acosta, P.E., ENV SP, Vice President; Jason McClair, P.E., CFM, LEED AP, Vice President/Treasurer; Sean Dannelly, CPA, Chief Financial Officer; Safiya Brea, P.E., LEED AP, Sr. Project Manager/Secretary; Daniel Davila, P.E., Sr. Engineer/Ft Lauderdale Branch Manager; Suzanne Dombrowski, P.E., ENV SP, Sr. Engineer/ West Palm Beach Branch Manager; Greg Mendez, P.E., Sr. Engineer/Miami Branch Manager; Cris Betancourt, RLA, Director of Planning and Landscape Architecture; Jennifer Smith, P.E., Sr. Engineer; Eric Harrison, RLA, Landscape Architect; Patrick Kaimrajh, P.E., Sr. Engineer

The business is a: Sole Proprietorship ☐ Partnership ☐ Corporation ☒

IF USING A FICTITIOUS NAME, SUBMIT EVIDENCE OF COMPLIANCE WITH FLORIDA FICTITIOUS NAME STATUTE. (ATTACH IN PROPOSER EXHIBIT SECTION)

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 Detzner

Secretary of State

Tracking Number: CC9017209572

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

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

State of Florida
Board of Professional Engineers

Attests that

Chen Moore and Associates, Inc.

FBPE FLORIDA BOARD OF PROFESSIONAL ENGINEERS

Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Expiration: 2/28/2019 **CA Lic. No:** 4593

Audit No: 228201904427 R

RICK SCOTT, GOVERNOR JONATHAN ZACHEM, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

LICENSE NUMBER
LC26000425

The LANDSCAPE ARCHITECT BUSINESS
Named below HAS REGISTERED
Under the provisions of Chapter 481 FS.
Expiration date: NOV 30, 2019

CHEN MOORE AND ASSOCIATES, INC
500 W CYPRESS CREEK RD STE 630
FORT LAUDERDALE FL 33309

ISSUED: 10/11/2017 DISPLAY AS REQUIRED BY LAW SEQ # L1710110002501

City of Pembroke Pines

Attachment I

Under what former name has your business operated? Include a description of the business. Failure to include such information shall be deemed to be intentional misrepresentation by the City and shall render the proposer RFP submittals non-responsive.

Chen and Associates Consulting Engineers Inc. became Chen Moore and Associates in 2011 to reflect ownership transitions; the nature of the business did not change. Chen Moore and Associates specializes in civil engineering, water resources, water and sewer, transportation, landscape architecture, planning and irrigation, environmental and construction engineering inspection.

At what address was that business located?

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

Name, address, and telephone number of surety company and agent who will provide the required bonds on this contract:

N/A

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

Chen Moore and Associates has not failed to complete work awarded to the firm.

Have you personally inspected the proposed WORK and do you have a complete plan for its performance?

Yes. Chen Moore and Associates has inspected the proposed work and have a plan for its performance.

City of Pembroke Pines

Attachment I

Will you subcontract any part of this WORK? If so, give details including a list of each subcontractor(s) that will perform work in excess of ten percent (10%) of the contract amount and the work that will be performed by each subcontractor(s).

The subconsultants on our team include: via planning for traffic engineering services; GFA International for geotechnical engineering environmental and hydrologic studies and CECOS Environmental Consulting for environmental and wetland mitigation services.

The foregoing list of subcontractor(s) may not be amended after award of the contract without the prior written approval of the Contract Administrator, whose approval shall not be reasonably withheld.

List and describe all bankruptcy petitions (voluntary or involuntary) which have been filed by or against the Proposer, its parent or subsidiaries or predecessor organizations during the past five (5) years. Include in the description the disposition of each such petition.

N/A

List and describe all successful Bond claims made to your surety (ies) during the last five (5) years. The list and descriptions should include claims against the bond of the Proposer and its predecessor organization(s).

N/A

List all claims, arbitrations, administrative hearings and lawsuits brought by or against the Proposer or its predecessor organizations(s) during the last (10) years. The list shall include all case names; case, arbitration or hearing identification numbers; the name of the project over which the dispute arose; and a description of the subject matter of the dispute.

Please refer to the following pages for a complete list of CMA's litigation history.

In today's litigious society, businesses are constantly confronted with civil claims and Chen Moore and Associates has not been spared that exposure. With respect to current/pending or past litigation/arbitration in the last seven (7) years CMA has been involved in three cases which are explained in history detailed below. We assert that this history (1) will have no material negative impact on CMA's ability to execute this project, (2) does not display an undesirable pattern of litigation with owners over construction matters and (3) does not have had a claim against its bonding company in the last seven (7) years wherein the bonding company was required to take over and complete the project or pay outstanding liens on the project.

We wish to reiterate that just because we are involved in litigation, it does not reflect on our culpability in the cases. In fact, we believe our full disclosure in these matters displays good faith. We welcome the Evaluation Committee to review CMA and all other vendors for their willingness to disclose active and past cases by visiting any of the respective Clerk of the Court Websites. As an example, the Miami-Dade County Civil, Family and Probate Courts Online System (https://www2.miami-dadeclerk.com/ocs/?AspxAutoDetectCookieSupport=1) will display all three cases listed below.

Case No: 11-30999 CA 02 in the 11th Circuit Court of Miami-Dade

Case Name: Steven I. Gunther vs. M. Vila Associates, City of Miami Beach, Chen and Associates Consulting Engineers, Inc.

Date Filed: June 4, 2012

Type of Case: civil

Claim or Cause of Action: Chen Moore and Associates is a co-defendant in a personal injury suit with one count for negligence.

Brief Description: During a streetscaping project, the complaintant asserts that the plaintiff fell off their motor scooter while driving through a construction zone.

Amount: more than $25,000; exact amount not known

Agencies Involved: 11th Circuit Court of Miami-Dade County, 175 NW 1st Avenue, Miami FL 33128; City of Miami Beach Police Department, 1100 Washington Avenue Miami Beach, FL 33139

Disposition of Case: closed / dismissed

Opposing Counsel: David A. Hagen, P.A., Phone: 305.373.4200; hagen.esq@lawyer.com

In Gunther v. M. Vila, City of Miami Beach and CMA; Case Number 2011-030999-CA-01, the plaintiff asserted a negligence action alleging that he was injured when he rode his scooter over a pothole in a crosswalk located within the City of Miami Beach. The plaintiff alleged that the pothole was the result of defective construction of the crosswalk and the failure to inspect the defective construction. M. Vila was the contractor that performed the work and the City of Miami Beach retained the responsibility for safety inspections. CMA had no contractual responsibility relating to the alleged defective work and inspection. CMA was improperly included as a defendant and the case against CMA was dismissed.

Case No: 13-025280 CA-01 (05)

Case Name: Luis A. Nazario as Personal Representative of Estate of Miriam Cabrera v. M. Vila Associates, City of Miami Beach, Metro Express, and Chen Moore & Associates

Date Filed: March 12, 2014

Type of Case: Civil

Claim or Cause of Action: Chen Moore and Associates is a co-defendant in a wrongful death action with one count of negligence

Brief Description: The complaint asserts that, during a streetscaping project, the defendant fell off the back of a motorcycle while driving through a construction zone

Amount: More than $25,000; exact amount not known

Agencies Involved: 11th Judicial Circuit Court in and for Miami-Dade County, 175 NW 1st Avenue, Miami, FL 33128; City of Miami Beach

Disposition of Case: closed / dismissed

Opposing Counsel: Hyram M. Montero, P.A., hmontero@monterolaw.com, 954.767.6500

In Nazario v. M. Vila, City of Miami Beach, Metro Express, and CMA; Case Number 2013-025280-CA-01, CMA was similarly sued despite having no contractual responsibility with respect to the alleged defective work. This negligence action arose out of the death of a passenger on a motorcycle that is alleged to have hit a sanitary sewer manhole located within the City of Miami Beach. CMA had no responsibility whatsoever relating to sanitary sewer placement or construction. CMA designed the water main and stormwater system and contracted to provide part-time RPR services with respect to the work CMA designed. The sanitary sewer was designed by the City of Miami Beach and installed by the city's contractor. The City of Miami Beach hired another consultant to oversee and inspect the sanitary sewer work. The plaintiff further alleged that CMA was negligent in the design, oversight and implementation of maintenance of traffic ("MOT"), notwithstanding the fact that CMA had no responsibility with respect to MOT. The city's contractor had design and implementation responsibility and the review, approval and oversight of MOT was the responsibility of the City of Miami Beach. Notwithstanding this, CMA has been included as a defendant. This case is still pending, but CMA believes the court will ultimately find that it was not a responsible party.

Case No: 16-011970 CA-01

Case Name: Valentino Castro v. M. Vila Associates and Chen Moore & Associates

Date Filed: May 11, 2016

Type of Case: Civil

Claim or Cause of Action: Chen Moore and Associates is a co-defendant in a wrongful death action with one count of negligence

Brief Description: The complaint asserts that, during a streetscaping project, the complainant was ejected from a motorcycle while driving through a construction zone

Amount: More than $25,000; exact amount not known

Agencies Involved: 11th Judicial Circuit Court in and for Miami-Dade County, 175 NW 1st Avenue, Miami, FL 33128; City of Miami Beach

Disposition of Case: closed / dismissed

Opposing Counsel: Hugo V. Alvarez, P.A., halvarez@alvarezbarbara.com, 305.263.7700

Similar to the Nazario Case, in Castro v. M. Vila, City of Miami Beach, Metro Express, and CMA; Case Number 2016-011970-CA-01, CMA was similarly sued despite having no contractual responsibility with respect to the alleged defective work. This negligence action arose out of the death of a passenger on a motorcycle that is alleged to have hit a sanitary sewer manhole located within the City of Miami Beach. CMA had no responsibility whatsoever relating to sanitary sewer placement or construction. CMA designed the water main and stormwater system and contracted to provide part-time RPR services with respect to the work CMA designed. The sanitary sewer was designed by the City of Miami Beach and installed by the city's contractor. The City of Miami Beach hired another consultant to oversee and inspect the sanitary sewer work. The plaintiff further alleged that CMA was negligent in the design, oversight and implementation of maintenance of traffic ("MOT"), notwithstanding the fact that CMA had no responsibility with respect to MOT. The city's contractor had design and implementation responsibility and the review, approval and oversight of MOT was the responsibility of the City of Miami Beach. Notwithstanding this,

CMA was included as a defendant.

Case No: 17-017197-CA-06

Date Filed: 7/31/17

Agencies Involved: 11th Circuit Court

CMA is a co-defendant in a slip and fall accident with one count of negligence.

The complaint asserts that, after a streetscaping project, the plaintiff fell and injured themselves on an uneven sidewalk.

Disposition of Case: closed / dismissed

City of Pembroke Pines

Attachment I

List and describe all criminal proceedings or hearings concerning business related offenses in which the Proposer, its principals or officers or predecessor organization(s) were defendants.

N/A

Has the Proposer, its principals, officers or predecessor organization(s) been CONVICTED OF A Public Entity Crime, debarred or suspended from bidding by any government entity? If so, provide details.

No. Chen Moore and Associates has not been convicted of a public entity crime or debarred or suspended from bidding by any government agency.

Are you an [X] Original provider [ ] sales representative [ ] distributor, [ ] broker, [ ] manufacturer [ ] other, of the commodities/services proposed upon? If other than the original provider, explain below.

Have you ever been debarred or suspended from doing business with any governmental agency? If yes, please explain:

No. Chen Moore and Associates has not been debarred or suspended from doing business with any government agency.

City of Pembroke Pines

Attachment I

Describe the firm's local experience/nature of service with contracts of similar size and complexity, it the previous three (3) years:

Please refer to Section 2 for our firm's local project experience and specifically Section F of the 330 form projects.

The PROPOSER acknowledges and understands that the information contained in response to this Qualification Statement shall be relied upon by CITY in awarding the contract and such information is warranted by PROPOSER to be true. The discovery of any omission or misstatement that materially affects the PROPOSER'S qualifications to perform under the contract shall cause the CITY to reject the Bid, and if after the award, to cancel and terminate the award and/or contract.

Chen Moore and Associates
(Company Name)

Peter Moore, P.E., F.ASCE,. ENV SP, LEED AP
(Printed Name/Signature)

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 7/17/2018

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

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: Crum & Forster Specialty Insurance	44520
INSURER B: Old Dominion Insurance Co.	40231
INSURER C:	
INSURER D:	
INSURER E:	
INSURER F:	

INSURED
Chen Moore & Associates, Inc.
500 W. Cypress Creek Road
Suite 630
Fort Lauderdale FL 33309

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	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE / X OCCUR X Contractors Pollution GEN'L AGGREGATE LIMIT APPLIES PER: POLICY / X PRO-JECT / LOC OTHER:	X	Y	EPK120773	1/1/2018	1/1/2019	EACH OCCURRENCE	$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 300,000
							MED EXP (Any one person)	$ 5,000
							PERSONAL & ADV INJURY	$ 1,000,000
							GENERAL AGGREGATE	$ 2,000,000
							PRODUCTS - COMP/OP AGG	$ 2,000,000
								$
B	AUTOMOBILE LIABILITY ANY AUTO ALL OWNED AUTOS / X SCHEDULED AUTOS X HIRED AUTOS / X NON-OWNED AUTOS			B1T2667W	1/1/2018	1/1/2019	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
							BODILY INJURY (Per person)	$
							BODILY INJURY (Per accident)	$
							PROPERTY DAMAGE (Per accident)	$
							PIP-Basic	$ 10,000
A	UMBRELLA LIAB / X OCCUR X EXCESS LIAB / CLAIMS-MADE DED / RETENTION $			EFX109803	1/1/2018	1/1/2019	EACH OCCURRENCE	$ 5,000,000
							AGGREGATE	$ 5,000,000
								$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N / A				PER STATUTE / OTH-ER	
							E.L. EACH ACCIDENT	$
							E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
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)

The City of Pembroke Pines, its agents, officers and employees are an additional insured under the terms and conditions of the General Liability policy with respect to work being performed by the named insured as required by written contract. The General Liability policy contains a Waiver of Subrogation in favor of the additional insured providing the contract is executed prior to any loss. This insurance shall be primary and non-contributory. The Automobile Liability Policy includes form MCS-90 and Broadened Pollution Liability form CA9948.

CERTIFICATE HOLDER

The City of Pembroke Pines
Purchasing Division
8300 South Palm Drive
Pembroke Pines, FL 33025

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 Schmaltz/WENDTY Patricia Anne Schmaltz

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ACORD 25 (2014/01) **The ACORD name and logo are registered marks of ACORD**
INS025 (201401)

CRUM & FORSTER
A FAIRFAX COMPANY

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
CONTRACTORS POLLUTION LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) or Organization(s)
Where Required By Written Contract.

SECTION III – WHO IS AN INSURED within the Common Provisions is amended to include as an additional insured the person(s) or organization(s) indicated in the Schedule shown above, but only with respect to liability caused, in whole or in part, by "your work" for that insured which is performed by you or by those acting on your behalf.

ALL OTHER TERMS AND CONDITIONS OF THE POLICY REMAIN UNCHANGED.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name of Additional Person(s) or Organization(s):	Location And Description Of Completed Operations
Where Required By Written Contract.	Where Required By Written Contract.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. **Section III – Who Is An Insured** within the Common Provisions is amended to include as an insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

PRIMARY AND NON-CONTRIBUTORY ADDITIONAL INSURED WITH WAIVER OF SUBROGATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
CONTRACTORS POLLUTION LIABILITY COVERAGE PART
ERRORS AND OMISSIONS LIABILITY COVERAGE PART
THIRD PARTY POLLUTION LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) or Organization(s)
Where Required By Written Contract.

A. **SECTION III – WHO IS AN INSURED** within the Common Provisions is amended to include as an additional insured the person(s) or organization(s) indicated in the Schedule shown above, but solely with respect to "claims" caused in whole or in part, by "your work" for that person or organization performed by you, or by those acting on your behalf.

   This insurance shall be primary and non-contributory, but only in the event of a named insured's sole negligence.

B. We waive any right of recovery we may have against the person(s) or organization(s) indicated in the Schedule shown above because of payments we make for "damages" arising out of "your work" performed under a designated project or contract with that person(s) or organization(s).

C. This Endorsement does not reinstate or increase the Limits of Insurance applicable to any "claim" to which the coverage afforded by this Endorsement applies.

ALL OTHER TERMS AND CONDITIONS OF THE POLICY REMAIN UNCHANGED.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

AMENDED WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
CONTRACTORS POLLUTION LIABILITY COVERAGE PART
ERRORS AND OMISSIONS LIABILITY COVERAGE PART
THIRD PARTY POLLUTION LIABILITY COVERAGE PART
ONSITE CLEANUP COVERAGE PART

SCHEDULE

Name of Person(s) or Organization(s)
Where Required By Written Contract.

SECTION VI – COMMON CONDITIONS, item 17. Transfer Of Rights of Recovery Against Others To Us within the Common Provisions is amended by the addition of the following:

Solely as respects the person(s) or organization(s) indicated in the Schedule shown above, we waive any right of recovery we may have against the person(s) or organization(s) indicated in the Schedule shown above because of payments we make for "damages" arising out of your ongoing operations or "your work" performed under a written contract with that person(s) or organization(s) and included in the "products-completed operations hazard".

However, this waiver shall not apply to "damages" resulting from the sole negligence of the person(s) or organization(s) indicated in the Schedule shown above.

ALL OTHER TERMS AND CONDITIONS OF THE POLICY REMAIN UNCHANGED.

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 07/17/18

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
EMAIL ADDRESS: ADP.COI.Center@Aon.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Illinois National Insurance Co	23817
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

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

COVERAGES **CERTIFICATE NUMBER:** 2140046 **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	$
	CLAIMS-MADE / OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	POLICY / PROJECT / LOC						PRODUCTS - COMP/OP AGG	$
	OTHER							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB / OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB / CLAIMS-MADE						AGGREGATE	$
	DEC / RETENTION $							
A	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A	X	WC 047014231 FL	07/01/18	07/01/19	X PER STATUTE / OTH-ER	
							E.L. EACH ACCIDENT	$ 2,000,000
							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)
WAIVER OF SUBROGATION IN FAVOR OF CERTIFICATE HOLDER AS RESPECTS OF JOB PERFORMED BY CHEN MOORE & ASSOCIATES, INC. AS REQUIRED BY WRITTEN CONTRACT.
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

The City of Pembroke Pines
Purchasing Division
8300 South Palm Drive
Pembroke Pines, FL 33025

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) **The ACORD name and logo are registered marks of ACORD**

POLICY HOLDER NOTICE

CERTIFICATE HOLDER CANCELLATION NOTICE SCHEDULE

Should this policy be cancelled before the expiration date hereof, the producer will endeavor to mail 30 days written notice to the certificate holder named herein, but failure to do so shall impose no obligation or liability of any kind upon the insurer, the producer, or the respective agents or representatives of each.

SCHEDULE:

CERTIFICATE HOLDERS AS IDENTIFIED ON THE MOST RECENT QUARTERLY SCHEDULE OF CERTIFICATE HOLDERS PROVIDED BY THE INSURED'S BROKER OF RECORD TO THE INSURER.

WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY INSURANCE POLICY

WC 00 03 13

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

This endorsement changes the policy to which it is attached effective on the inception date of the policy unless a different date is indicated below.

(The following "attaching clause" need be completed only when this endorsement is issued subsequent to preparation of the policy.)

This endorsement, effective on 07/17/2018 at 12:01 A.M. standard time, forms a part of Policy No. WC 047014231 of the Illinois National Insurance Co

Issued to: ADP TotalSource CO XXI, Inc. (PEO Company)
10200 Sunset Drive
Miami, FL 33173
CHEN MOORE & ASSOCIATES, INC. (Client of PEO Company)
500 WEST CYPRESS CREEK R SUITE 630
FORT LAUDERDALE, FL 33309

Premium (if any) $ Included

Authorized Representative

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.*

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

In favor of:

THE CITY OF PEMBROKE PINES
PURCHASING DIVISION
8300 SOUTH PALM DRIVE
PEMBROKE PINES, FL 33025

DPX Form

Supplier Response Form

City of Pembroke Pines

Attachment L

SCRUTINIZED COMPANY CERTIFICATION
PURSUANT TO FLORIDA STATUTE § 287.135

I Peter Moore, P.E., F.ASCE,. ENV SP, LEED AP on behalf of Chen Moore and Associates
Print Name and Title — Company Name

certify that Chen Moore and Associates
Company Name

1. Does not participate in a boycott of Israel; and
2. Is not on the Scrutinized Companies that Boycott Israel list; and
3. Is not on the Scrutinized Companies with Activities in Sudan List; and
4. Is not on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; and
5. Has not engaged in business operations in Syria.

Submitting a false certification shall be deemed a material breach of contract. The City shall provide notice, in writing, to the Contractor of the City's determination concerning the false certification. The Contractor shall have ninety (90) days following receipt of the notice to respond in writing and demonstrate that the determination of false certification was made in error. If the Contractor does not demonstrate that the City's determination of false certification was made in error then the City shall have the right to terminate the contract and seek civil remedies pursuant to Florida Statute § 287.135.

Section 287.135, Florida Statutes, prohibits the City from: 1) Contracting with companies for goods or services in any amount if at the time of bidding on, submitting a proposal for, or entering into or renewing a contract if the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Section 215.4725, F.S. or is engaged in a boycott of Israel; and 2) Contracting with companies, for goods or services over $1,000,000.00 that are on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector list, created pursuant to s. 215.473, or are engaged in business operations in Syria.

As the person authorized to sign on behalf of the Contractor, I hereby certify that the company identified above in the section entitled "Contractor Name" does not participate in any boycott of Israel, is not listed on the Scrutinized Companies that Boycott Israel List, is not listed on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector List, and is not engaged in business operations in Syria. I understand that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject the company to civil penalties, attorney's fees, and/or costs. I further understand that any contract with the City for goods or services may be terminated at the option of the City if the company is found to have submitted a false certification or has been placed on the Scrutinized Companies with Activities in Sudan list or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

Chen Moore and Associates	Peter Moore, P.E., F.ASCE,. ENV SP	LEED AP/President and CEO
Company Name	Print Name / Signature	Title

Please enter your password below and click Save to save your response.
Please be aware that typing in your password acts as your electronic signature, which is just as legal and binding as an original signature. (See Electronic Signatures in Global and National Commerce Act for more information.)

To take exception:
1) Click Take Exception.
2) Create a Word document detailing your exceptions.
3) Upload exceptions as an attachment to your offer on BidSync's system.

By completing this form, your bid has not yet been submitted. Please click on the place offer button to finish filling out your bid.

Username **chenaa**

Password wcompany1 *

file:///chenmoore.com/...20Pembroke%20Pines%20Bid%20%23PSEN-18-02%20-%20Profess/rfp/selectedDocuments/Attachment%20L.htm[7/17/2018 9:13:34 AM]

DPX Form

Take Exception Close

* Required fields

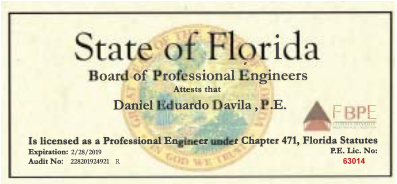
5. PROFESSIONAL REGISTRATION CERTIFICATES

State of Florida
Board of Professional Engineers
Attests that
Chen Moore and Associates, Inc.
Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.
Expiration: 2/28/2019
Audit No: 228201904427 R
CA Lic. No 4593

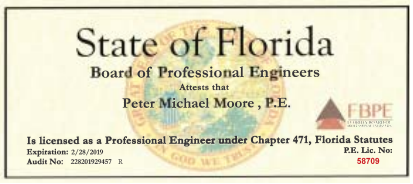
State of FL Professional Engineers License

RICK SCOTT, GOVERNOR
JONATHAN ZACHEM, SECRETARY
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE
LICENSE NUMBER
LC26000425
The LANDSCAPE ARCHITECT BUSINESS
Named below HAS REGISTERED
Under the provisions of Chapter 481 FS.
Expiration date: NOV 30, 2019
CHEN MOORE AND ASSOCIATES, INC
500 W CYPRESS CREEK RD STE 630
FORT LAUDERDALE FL 33309
ISSUED: 10/11/2017
DISPLAY AS REQUIRED BY LAW
SEQ # L1710110002501

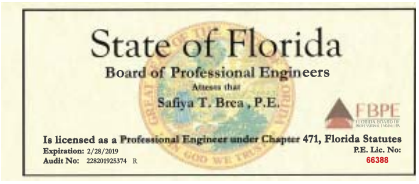
State of FL Professional Landscape Architecture License


State of Florida
Board of Professional Engineers
Attests that
Daniel Eduardo Davila , P.E.
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: 228201924921 R
P.E. Lic. No: 63014

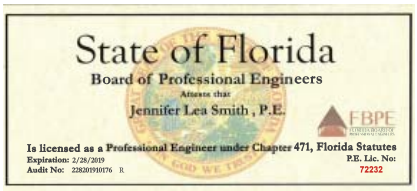
Daniel Davila, P.E.


State of Florida
Board of Professional Engineers
Attests that
Peter Michael Moore , P.E.
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: 228201929457 R
P.E. Lic. No: 58709

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


State of Florida
Board of Professional Engineers
Attests that
Safiya T. Brea , P.E.
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: 228201925374 R
P.E. Lic. No: 66388

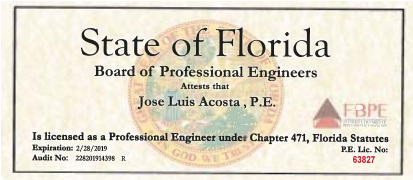
Safiya Brea, P.E., LEED AP


State of Florida
Board of Professional Engineers
Attests that
Jennifer Lea Smith , P.E.
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: 228201910176 R
P.E. Lic. No: 72232

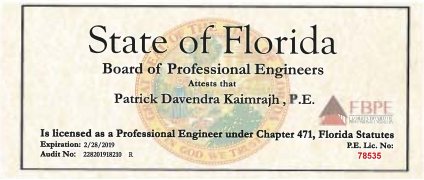
Jennifer Smith, P.E.

State of Florida
Board of Professional Engineers
Attests that
Jason James McClair , P.E.
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: 228201924531 R
P.E. Lic. No: 56962

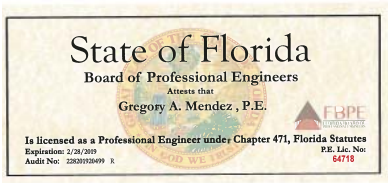
Jason McClair, P.E., CFM, LEED AP


State of Florida
Board of Professional Engineers
Attests that
Jose Luis Acosta , P.E.
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: 228201914398 R
P.E. Lic. No: 63827

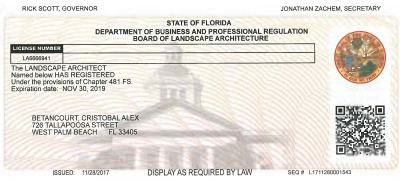
Jose Acosta, P.E., F.ASCE


State of Florida
Board of Professional Engineers
Attests that
Patrick Davendra Kaimrajh , P.E.
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: 228201918230 R
P.E. Lic. No: 78535

Patrick Kaimrajh, P.E.


State of Florida
Board of Professional Engineers
Attests that
Gregory A. Mendez , P.E.
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: 228201920499 R
P.E. Lic. No: 64718

Gregory Mendez, P.E.


RICK SCOTT, GOVERNOR
JONATHAN ZACHEM, SECRETARY
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE
LICENSE NUMBER
LA6666941
The LANDSCAPE ARCHITECT
Named below HAS REGISTERED
Under the provisions of Chapter 481 FS.
Expiration date: NOV 30, 2019
BETANCOURT, CRISTOBAL ALEX
728 TALLAPOOSA STREET
WEST PALM BEACH FL 33405
ISSUED: 11/28/2017
DISPLAY AS REQUIRED BY LAW
SEQ # L1711280001543

Cristobal Betancourt, RLA

RICK SCOTT, GOVERNOR
JONATHAN ZACHEM, SECRETARY
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE
LICENSE NUMBER
The LANDSCAPE ARCHITECT
Named below HAS REGISTERED
Under the provisions of Chapter 481 FS.
Expiration date: NOV 30, 2019
ISSUED: 12/14/2017
SEQ # L1712140000666

Eric Harrison, RLA

Select Certified
Irrigation
IRRIGATION ASSOCIATION
Marc Bortak
Certified Irrigation Designer - Commercial

Stefan Bortak, CID

INTERNATIONAL SOCIETY OF ARBORICULTURE
CERTIFIED ARBORIST™
Jessica Amber Mathis
ISA

Amber Mathis, CA

Professional Registration Certificates

Procurement & Warehousing Services
SUPPLIER DIVERSITY OUTREACH PROGRAM

THIS CERTIFICATE IS AWARDED TO

Chen Moore and Associates, Inc.

FOR HAVING SUCCESSFULLY MET THE PRESCRIBED STANDARDS SET FORTH BY THE SUPPLIER DIVERSITY OUTREACH PROGRAM OF THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA FOR

CERTIFICATION

Small Business Enterprise (SBE)

Non-Minority

ON THIS DAY April 2, 2018

Mary Catherine Coker
Director, Procurement & Warehousing Services

Certification #: 3330-00247 89 Expiration Date: 4/1/2020

Broward School Board SBE

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000
VALID OCTOBER 1, 2017 THROUGH SEPTEMBER 30, 2018

DBA: Business Name: CHEN MOORE AND ASSOCIATES INC
Receipt #: 319-238935
Business Type: ALL OTHERS (LANDSCAPE ARCHITECT)

Owner Name: BEN CHEN
Business Location: 500 W CYPRESS CREEK RD STE 630 FT LAUDERDALE
Business Phone: 954-730-0707
Business Opened: 03/15/2011
State/County/Cert/Reg: LC26000425
Exemption Code:

Rooms	Seats	Employees	Machines	Professionals
		5		

For Vending Business Only
Number of Machines: Vending Type:

Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
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:
CHEN MOORE AND ASSOCIATES INC
500 W CYPRESS CREEK RD STE
630
FORT LAUDERDALE, FL 33309

Receipt #05A-16-00009614
Paid 08/14/2017 30.00

2017 - 2018

Broward County Tax Receipt

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

Secretary of State

Tracking Number: CC9017209572

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

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

State of FL Secretary of State Certificate of Corporation

FDOT
Florida Department of Transportation
605 Suwannee Street
Tallahassee, FL 32399-0450

RICK SCOTT
GOVERNOR

MIKE DEW
SECRETARY

July 25, 2017

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 qualification package and determined that the data submitted is adequate to technically qualify 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 overhead audit has been accepted, enabling your firm to compete for Professional Services projects advertised at the unlimited level, with estimated fees of any dollar amount. This status shall be valid until June 30, 2018 for contracting purposes.

	Home/Branch Office	Field Office	Facilities Capital Cost of Money	Overtime Premium	Direct Expense
Indirect Cost	166.23%	83.43%	0.408%	Reimbursed	5.72% (Home) 1.43% (Field)*

*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
Professional Services
Qualification Administrator

www.fdot.gov

FDOT Unlimited Qualifications

Professional Registration Certificates

via planning

State of Florida

Woman & Minority Business Certification

via planning, inc.

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

06/30/2017 to 06/30/2019

Erin Rock, Secretary
Florida Department of Management Services

office of supplier DIVERSITY

Office of Supplier Diversity • 4050 Esplanade Way, Suite 380 • Tallahassee, FL 32399 • 850-487-0915 • www.dms.myflorida.com/osd

FDOT · Tampa International Airport · Greater Orlando Aviation Authority

Florida Unified Certification Program

Disadvantaged Business Enterprise (DBE) Certificate of Eligibility

VIA PLANNING INC

MEETS THE REQUIREMENTS OF 49 CFR, PART 26

APPROVED NAICS CODES:
541690, 541330

September 30, 2014

VICTORIA V. SMITH, DBE Certification Manager - Florida Department of Transportation

Broward County · Tallahassee · Votran

State of Florida
Department of State

I certify from the records of this office that VIA PLANNING, INC. is a corporation organized under the laws of the State of Florida, filed on April 21, 2014, effective April 20, 2014.

The document number of this corporation is P14000035650.

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 2, 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 Thirteenth day of July, 2018

Secretary of State

Tracking Number: CU1776811339

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

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

State of Florida
Board of Professional Engineers
Attests that
via planning, inc.

FBPE

Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.
Expiration: 2/28/2019
CA Lic. No: 30843

State of Florida
Board of Professional Engineers
Attests that
Thuha Nguyen Lyew, P.E.

FBPE

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
P.E. Lic. No: 74050

State of Florida
Board of Professional Engineers
Attests that
Tsz Shing Tsoi, P.E.

FBPE

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
P.E. Lic. No: 73858

Transportation Professional Certification Board, Inc.

certifies that

Thuha Nguyen Lyew

has met all of the requirements established by the Certification Board to use the title of

Professional Traffic Operations Engineer

unless withdrawn by the Certification Board and subject to the provisions for renewal. Certificate number 4133 issued in Washington, DC, U.S.A.

Transportation Professional Certification Board, Inc.

certifies that

Tsz Shing Tsoi

has met all of the requirements established by the Certification Board to use the title of

Professional Traffic Operations Engineer

unless withdrawn by the Certification Board and subject to the provisions for renewal. Certificate number 4104 issued in Washington, DC, U.S.A.

FDOT

Florida Department of Transportation
605 Suwannee Street
Tallahassee, FL 32399-0450

RICK SCOTT GOVERNOR

MIKE DEW SECRETARY

June 2, 2018

Thuha Nguyen, President
VIA PLANNING, INC.
3337 Merrick Lane
Margate, Florida 33063

Dear Ms. Nguyen:

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 6 - Traffic Engineering and Operations Studies

- 6.1 - Traffic Engineering Studies
- 6.2 - Traffic Signal Timing
- 6.3.1 - Intelligent Transportation Systems Analysis and Design

Group 7 - Traffic Operations Design

- 7.1 - Signing, Pavement Marking and Channelization
- 7.2 - Lighting
- 7.3 - Signalization

Group 13 - Planning

- 13.4 - Systems Planning
- 13.5 - Subarea/Corridor Planning
- 13.7 - Transportation Statistics

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	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense
178.38%	0.003%	Reimbursed	Yes	2.33%

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
Professional Services
Qualification Administrator

ACORD — CERTIFICATE OF LIABILITY INSURANCE

VIAPL-1 OP ID: LC

DATE (MM/DD/YYYY) 07/13/2018

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 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: Bluestone Insurance, 611 NE 4th Avenue, Ft Lauderdale, FL 33304, David Bartholomew — 800-467-4914

CONTACT NAME: Lynn Corning; PHONE: 800-467-4914; FAX: 954-719-7118

INSURED: via planning inc., 2101 W. Commercial Blvd.#3200, Ft Lauderdale, FL 33309

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: New Hampshire Ins. Co.	
INSURER B: First Commenity Insurance Co.	
INSURER C: Hartford Casualty Insurance Co	
INSURER D:	
INSURER E:	
INSURER F:	

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

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

INSR LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFF	POLICY EXP	LIMITS	
B	X COMMERCIAL GENERAL LIABILITY; X OCCUR; GEN'L AGGREGATE LIMIT APPLIES PER: X POLICY	090004934955 7 00	06/07/2018	06/07/2019	EACH OCCURRENCE	$ 1,000,000
					DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 300,000
					MED EXP (Any one person)	$ 10,000
					PERSONAL & ADV INJURY	$ 1,000,000
					GENERAL AGGREGATE	$ 2,000,000
					PRODUCTS - COMP/OP AGG	$ 2,000,000
B	AUTOMOBILE LIABILITY; X HIRED AUTOS ONLY; X NON-OWNED AUTOS ONLY	090004934955 7 00	06/07/2018	06/07/2019	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	UMBRELLA LIAB / EXCESS LIAB				EACH OCCURRENCE / AGGREGATE	
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY; Y/N: N	46 WEC AQ2657	09/30/2017	09/30/2018	X PER STATUTE; E.L. EACH ACCIDENT	$ 1,000,000
					E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
					E.L. DISEASE - POLICY LIMIT	$ 1,000,000
A	Professional Liab		06/05/2018	06/05/2019	Per claim	2,000,000
					Aggregate	2,000,000

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

CERTIFICATE HOLDER: Insureds Copy **Proof of Coverage**

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

AUTHORIZED REPRESENTATIVE: David Bartholomew

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BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000
VALID OCTOBER 1, 2017 THROUGH SEPTEMBER 30, 2018

DBA:
Business Name: THUHA NGUYEN
Owner Name: VIA PLANNING INC
Business Location: 2101 W COMMERCIAL BLVD STE 32 FT LAUDERDALE
Business Opened: 04/21/2014

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:
VIA PLANNING INC
2101 W COMMERCIAL BLVD STE 3200
FORT LAUDERDALE, FL 33309

2017 - 2018

BROWARD COUNTY
Office of Economic and Small Business Development

This Certificate is Awarded to:

VIA PLANNING, INC.

County Business Enterprise
Small Business Enterprise

Professional Registration Certificates

GFA International

FDOT

Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

MIKE DEW
SECRETARY

June 5, 2018

Frederick Kaub, President
GFA INTERNATIONAL, INC.
1215 Wallace Drive
Delray Beach, Florida 33444

Dear Mr. Kaub:

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 9 - Soil Exploration, Material Testing and Foundations

- 9.1 - Soil Exploration
- 9.2 - Geotechnical Classification Laboratory Testing
- 9.3 - Highway Materials Testing
- 9.4.1 - Standard Foundation Studies
- 9.5 - Geotechnical Specialty Laboratory Testing

Group 10 - Construction Engineering Inspection

- 10.1 - Roadway Construction Engineering Inspection
- 10.3 - Construction Materials Inspection

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	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense	Published Fee Schedule
169.80%	0.799%	Reimbursed	No	30.69%	Yes

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
Professional Services
Qualification Administrator

www.fdot.gov

State of Florida
Board of Professional Engineers
Attests that
GFA International Inc.
FBPE
Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.
Expiration: 2/28/2019
Audit No: 228201905811 NC
CA Lic. No: 4930

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL GEOLOGISTS
LICENSE NUMBER GB116
The GEOLOGY BUSINESS
Named below IS CERTIFIED
Under the provisions of Chapter 492 FS
Expiration date: JUL 31, 2018
GFA INTERNATIONAL
1215 WALLACE DRIVE
DELRAY BEACH FL 33444

RICK SCOTT, GOVERNOR JONATHAN ZACHEM, SECRETARY
dbpr
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT
THE ASBESTOS BUSINESS ORGANIZATION HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 469, FLORIDA STATUTES
GFA INTERNATIONAL INC
FREDERICK GEORGE KAUB
1215 WALLACE DRIVE
DELRAY BEACH FL 33444
LICENSE NUMBER: ZA404
EXPIRATION DATE: NOVEMBER 30, 2019
Always verify licenses online at MyFloridaLicense.com
Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

www.TEAMGFA.com

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL GEOLOGISTS
LICENSE NUMBER [illegible]
The PROFESSIONAL GEOLOGIST
Named below IS LICENSED
Under the provisions of Chapter 492 FS
Expiration date: JUL 31, 2018
KAUB, FREDERICK GEORGE
651 NE 71ST STREET
BOCA RATON FL 33487

STATE OF FLORIDA
WATER WELL CONTRACTOR LICENSE
Issued to
Fredrick G. Kaub
License No. 11236 Expires 7/31/2019
DISTRICT CERTIFICATION OFFICER

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL GEOLOGISTS
LICENSE NUMBER [illegible]
The PROFESSIONAL GEOLOGIST
Named below IS LICENSED
Under the provisions of Chapter 492 FS
Expiration date: JUL 31, 2018
KAUB, FREDERICK GEORGE
651 NE 71ST STREET
BOCA RATON FL 33487

State of Florida
Board of Professional Engineers
Attests that
Carlos A. Mercado, P.E.
FBPE
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: [illegible]
P.E. Lic. No: 71707

ACORD

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 4/13/2018

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: Bateman Gordon and Sands, 3050 North Federal Hwy, Lighthouse Point FL 33064

CONTACT NAME:
PHONE (A/C, No, Ext): 954-941-0900 FAX (A/C, No): 954-941-2006
E-MAIL ADDRESS: kdunn@bgsagency.com

INSURED: GFA International, Inc., 1215 Wallace Drive, Delray Beach FL 33444 — GFAIN

INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A	The First Liberty Insurance Corporation	33588
INSURER B	United States Fire Insurance Company	21113
INSURER C	Liberty Mutual Fire Insurance Company	23035
INSURER D	Continental Casualty Company	31127
INSURER E	Commerce & Industry Insurance Company	19410
INSURER F		

COVERAGES CERTIFICATE NUMBER: 613545864 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 INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY; X COMMERCIAL GENERAL LIABILITY; CLAIMS-MADE X OCCUR; GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC	Y	Y	TB6Z91468708028	4/1/2018	4/1/2019	EACH OCCURRENCE	$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 100,000
							MED EXP (Any one person)	$ 5,000
							PERSONAL & ADV INJURY	$ 1,000,000
							GENERAL AGGREGATE	$ 2,000,000
							PRODUCTS - COMP/OP AGG	$ 2,000,000
								$
B	AUTOMOBILE LIABILITY; X ANY AUTO; ALL OWNED AUTOS; SCHEDULED AUTOS; X HIRED AUTOS; X NON-OWNED AUTOS	Y	Y	1337435145	4/1/2018	4/1/2019	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
							BODILY INJURY (Per person)	$
							BODILY INJURY (Per accident)	$
							PROPERTY DAMAGE (Per accident)	$
								$
E	UMBRELLA LIAB X OCCUR; X EXCESS LIAB CLAIMS-MADE; DED X RETENTION $ 0	Y		BE014229452	4/1/2018	4/1/2019	EACH OCCURRENCE	$ 5,000,000
							AGGREGATE	$ 5,000,000
								$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY; ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: N; If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	Y	WC2Z91468708018	4/1/2018	4/1/2019	X WC STATU-TORY LIMITS OTH-ER	
							E.L. EACH ACCIDENT	$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000
D	Professional/Pollution Liability Claims Made Policy			MCH591908633	4/1/2018	4/1/2019	Each Claim	2,000,000
							Aggregate	4,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
General Liability: Additional Insured, Primary & Non-Contributory, Waiver of Subrogation, On-Going and Completed Operations, when required by written contract, per LC0443 0512. Notice of Cancellation to Third Parties, per LIM9901 0511.

Automobile Liability: Additional Insured, Waiver of Subrogation when required by written contract, per FM11401378 1111

Workers' Compensation: Waiver of Subrogation as required by written contract, per WC000313 0484

See Attached...

CERTIFICATE HOLDER

PROOF OF INSURANCE ONLY
IF SPECIFICS ARE NEEDED, PLEASE CONTACT INSURED
. . .

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

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AGENCY CUSTOMER ID: GFAIN
LOC #:

ACORD

ADDITIONAL REMARKS SCHEDULE

Page 1 of 1

AGENCY: Bateman Gordon and Sands
NAMED INSURED: GFA International, Inc., 1215 Wallace Drive, Delray Beach FL 33444
POLICY NUMBER:
CARRIER: NAIC CODE:
EFFECTIVE DATE:

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: 25 FORM TITLE: CERTIFICATE OF LIABILITY INSURANCE

Excess Liability: Extends coverage to underlying General Liability, Auto Liability and Workers' Compensation/Employers Liability. Notice of Cancellation to Entities Other than First Named Insured provided, per 107414 0311.

General Information:
Third Party 30 Day Notice of Cancellation applies to all policies.
Independent Contractors Liability is included in the General Liability per form CG0001 0413.

ALL COVERAGE IS SUBJECT TO THE POLICY TERMS, CONDITIONS AND EXCLUSONS.

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State of Florida
Department of State

I certify from the records of this office that GFA INTERNATIONAL, INC. is a corporation organized under the laws of the State of Florida, filed on October 20, 1998.

The document number of this corporation is P98000089761.

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 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 Twenty-third day of January, 2018

Secretary of State

Tracking Number: CU9836115169

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

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

CECOS Environmental Consulting

State of Florida
Department of State

I certify from the records of this office that CYRIACKS ENVIRONMENTAL CONSULTING SERVICES INC. is a corporation organized under the laws of the State of Florida, filed on July 16, 2003.

The document number of this corporation is P03000078714.

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 19, 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 Nineteenth day of January, 2018

Secretary of State

Tracking Number: CC5539362356

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

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

State of Florida

Woman Business Certification

Cyriacks Environmental Consulting Services

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

02/24/2017 to 02/24/2019

Chad Poppell, Secretary
Florida Department of Management Services

office of supplier DIVERSITY

Office of Supplier Diversity • 4050 Esplanade Way, Suite 380 • Tallahassee, FL 32399 • 850-487-0915 • www.dms.myflorida.com/osd

From: Owens, Jeffrey [mailto:Jeffrey.Owens@dot.state.fl.us]
Sent: Tuesday, July 03, 2018 7:02 AM
To: wc@cecosenvironmental.com
Cc: Cook, Jon <Jon.Cook@dot.state.fl.us>; Kell, Carliayn <Carliayn.Kell@dot.state.fl.us>
Subject: Review rate audit report for Cyriacks Environmental Consulting Services - FYE 12/31/17

FDOT
Florida Department of Transportation
RICK SCOTT GOVERNOR
605 Suwannee Street
Tallahassee, FL 32399-0450
Michael J. Dew SECRETARY

This Office has completed the review of the Audit Report submitted by Cyriacks Environmental Consulting Services, Inc. for the period ending December 31, 2017. The rates we have accepted are listed below. The accepted rates allow the Consultant to exceed contract fees of $500,000 per contract.

REVIEW OF AUDIT REPORT

CONSULTANT NAME	Cyriacks Environmental Consulting Services, Inc.
F/Y Ended	12/31/17
Prequalification Expires	7/1/19
CPA'S NAME	Rodrigues, Trueba & Co., PA
DATE of RECEIPT	7/2/18
AUDIT DATE	6/27/18
REPORT STATUS – ACCEPTED	X
REPORT STATUS – REJECTED	
OT PREMIUM	Reimbursed
Reimb. Actual Expenses	NO
OVERHEAD – Home	204.59%
OVERHEAD – Field	
DIRECT EXPENSE – Home	10.51%
DIRECT EXPENSE – * Field	
FCCM	0.570%
Published Fee Schedule	NO

Jeffrey B. Owens
Procurement Office
Florida Department of Transportation
850-414-4539
jeffrey.owens@dot.state.fl.us

Please note that Florida has a broad public records law and that all correspondence, including e-mail, may be subject to disclosure. However, Indirect Cost Rate information is protected by Title 23 U.S. Code 112.

Are you doing your part for Florida? Report FRAUD... 1-800-255-8099! With your help, we all benefit.

7/16/2018 WebFOCUS Report

FDOT DBE CERTIFICATE

Number of Records Returned: 1
Selection Criteria:
Vendor : CYRIACKS ENVIRONMENTAL CONSULTING SERVICES INC

Vendor Name: CYRIACKS ENVIRONMENTAL CONSULTING SERVICES INC
DBE Certification: CERTIFIED **MBE Certification:** Certified
DBA: **Former Name:**
Business Description: ENVIRONMENTAL CONSULTING SERVICES; MITIGATION SERVICES
Mailing AddressJ: 3001 SW 15TH STREET SUITE B
DEERFIELD BEACH, FL 33442-
Contact Name: WENDY CYRIACKS **Phone:** (954) 571-0290 **Fax:** (954) 480-9962
Email: WC@CECOSENVIRONMENTAL.COM **ACDBE Status:** N
Statewide Availability: Y
Certified NAICS
541620 Environmental Consulting Services

Run on : 07/16/2018
Page: 1

https://www3.dot.state.fl.us/ibi_apps/WFServlet 1/1

ACORD CYRIA-1 OP ID: SL

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 10/05/2017

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
JCJ Insurance Agency
2208 Hillcrest Street
Orlando, FL 32803
Erin K. Kelley

CONTACT NAME: Kristin McIntosh
PHONE (A/C, No, Ext): 321-445-1117 FAX (A/C, No): 321-445-1076
E-MAIL ADDRESS: certs@jcj-insurance.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Travelers Insurance Company	
INSURER B : Crum & Forester	
INSURER C : Travelers C&S Co of America	31194
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
Cyriacks Environmental
Consulting Services, Inc.
3001 SW 15th Street, Suite B
Deerfield Beach, FL 33442

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY; CLAIMS-MADE X OCCUR; X Contractual Liab; GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC; OTHER:			680-3H194970	10/06/2017 12/14/2016	10/06/2018	EACH OCCURRENCE	$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 100,000
							MED EXP (Any one person)	$ 5,000
							PERSONAL & ADV INJURY	$ 1,000,000
							GENERAL AGGREGATE	$ 2,000,000
							PRODUCTS - COMP/OP AGG	$ 2,000,000
								$
A	AUTOMOBILE LIABILITY; X ANY AUTO; ALL OWNED AUTOS; SCHEDULED AUTOS; X HIRED AUTOS; X NON-OWNED AUTOS			BA-4G974731	10/06/2017	10/06/2018	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
							BODILY INJURY (Per person)	$
							BODILY INJURY (Per accident)	$
							PROPERTY DAMAGE (Per accident)	$
								$
A	X UMBRELLA LIAB; OCCUR; EXCESS LIAB; CLAIMS-MADE; DED X RETENTION $ 10000			CUP-4G23350A	10/06/2017	10/06/2018	EACH OCCURRENCE	$ 1,000,000
							AGGREGATE	$ 1,000,000
								$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY; ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N N/A; If yes, describe under DESCRIPTION OF OPERATIONS below			UB-6J602006	10/06/2017	10/06/2018	X PER STATUTE OTH-ER	
							E.L. EACH ACCIDENT	$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000
B	Professional Liab			PKC-106785	10/06/2017	10/06/2018	Per Claim	2,000,000
							Aggregate	2,000,000

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

CERTIFICATE HOLDER
INSURED
Insured's Copy

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

AUTHORIZED REPRESENTATIVE
Erin K. Kelley

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7/16/2018 Small Business Vendor Listing

Florida Department of Transportation
Construction, Maintenance, & Other Contractual Services
Small Businesses that are also DBE's
By Activity or Specialty Area

Specialty or Activity	Vendor	Address	Contact	Telephone	DBE(Y/N)
Environmental Consulting Services	AMBIENT TECHNOLOGIES, INC.	4610 Central Avenue St. Petersburg, FL 33711	Albert Rodriguez	727-328-0268	Y
Environmental Consulting Services	AMERICAN ENVIRONMENTAL CONSULTI	9009 Terrace Oak Ct. Windermere, FL 34786	Kelly Eger-Smith	407-718-8802	Y
Environmental Consulting Services	CYRIACKS ENVIRONMENTAL CONSULTI	3001 SW 15th Street, Suite B Deerfield Beach, FL 33442	Wendy Cyriacks	954-571-0290	Y
Environmental Consulting Services	DACA ENVIRONMENTAL, INC.	12240 Southwest 131st Avenue Miami, FL 33186	Dagoberto Castillo	305-251-8104	Y
Environmental Consulting Services	DAVIS ENVIRONMENTAL SOLUTIONS,	12864 Biscayne Blvd North Miami, FL 33181	Kathryn Davis	305-502-1954	Y
Environmental Consulting Services	EARTH RESOURCES, INC.	3411 W. Dorchester Street Tampa, FL 33611	Nancy Scott	813-333-2971	Y
Environmental Consulting Services	EARTHOLOGY, LLC	3611 High Ridge Way Boynton Beach, FL 33426	Prajakta Kamthe	561-315-1085	Y
Environmental Consulting Services	ENVIRONMENTAL RESOURCE SOLUTIONS, INC.	8711 Perimeter Park Blvd. Ste. 1 Jacksonville, FL 32216	Kim Allerton	904-285-1397	Y
Environmental Consulting Services	IMECO, INC.	20030 E. Oakmount Drive Hialeah, FL 33015	Faustin Denis	954-699-5705	Y
Environmental Consulting Services	KB ENVIRONMENTAL SCIENCES, INC.	9500 KOGER BLVD N STE 211 ST PETERSBURG, FL 33702	CARROL FOWLER	727-578-5152	Y
Environmental Consulting Services	MS ENGINEERING, LLC	5858 S. Semoran Boulevard Orlando, FL 32822	Maurice Pearson	407-629-8180	Y
Environmental Consulting Services	SMART-SCIENCES, INC.	330 SW 27th Avenue Miami, FL 33135	Gisele Colbert	786-313-3977	Y

1/1

Professional Registration Certificates

CHEN•MOORE
&ASSOCIATES

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
28 W. Central Blvd., Suite 200
Orlando, FL 32081
Telephone: +1 (407) 536-7970

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

Supplier: **Chen and Associates**

City of Pembroke Pines

Attachment C

NON-COLLUSIVE AFFIDAVIT

BIDDER is the **President and CEO**,
(Owner, Partner, Officer, Representative or Agent)

BIDDER is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

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

Neither the said BIDDER nor any of its officers, partners, owners, agents, representative, employees or parties in interest, including this affidavit, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other BIDDER, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted; or to refrain from bidding in connection with such Contract; or have in any manner, directly or indirectly, sought by agreement or collusion, or communications, or conference with any BIDDER, firm, or person to fix the price or prices in the attached Bid or any other BIDDER, or to fix any overhead, profit, or cost element of the Bid Price or the Bid Price of any other BIDDER, or to secure through any collusion conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Contract;

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

Printed Name/Signature **Peter Moore, P.E., F.ASCE, ENV SP, LEED AP**

Title **President and CEO**

Name of Company **Chen Moore and Associates**

Supplier: **Chen and Associates**

City of Pembroke Pines

Attachment D

SWORN STATEMENT
ON PUBLIC ENTITY CRIMES
UNDER FLORIDA STATUTES CHAPTER 287.133(3)(a).

1. This sworn statement is submitted **Chen Moore and Associates** (name of entity submitting sworn statement) whose business address is **500 West Cypress Creek Road, Suite 630 Fort Lauderdale FL 33309** and (if applicable) its Federal Employer Identification Number (FEIN) is **59-2739866**. (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: .)

2. My name is **Peter Moore, P.E., F.ASCE, ENV SP, LEED AP** and my
(Please print name of individual signing)

relationship to the entity named above is **President and CEO**.

3. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

4. I understand that a "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

5. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:

   1. A predecessor or successor of a person convicted of a public entity crime: or

   2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The Cityship by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

6. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or any entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

7. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. **(Please indicate which statement applies.)**

☑ A) Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

☐ B) The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND **(Please indicate which additional statement applies.)**

☐ B1) There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. **(Please attach a copy of the final order.)**

☐ B2) The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. **(Please attach a copy of the final order.)**

☐ B3) The person or affiliate has not been placed on the convicted vendor list. **(Please describe any action taken by or pending with the Department of General Services.)**

Peter Moore, P.E., F.ASCE, ENV SP, LEED AP	**Chen Moore and Associates**	**07/17/2018**
Bidder's Name/Signature	Company	Date

Supplier: **Chen and Associates**

CONTACT INFORMATION FORM

IN ACCORDANCE WITH **"RFQ # PSEN-18-02"** titled **"Professional Service Providers (Architectural, Engineering, Surveying & Mapping)"** attached hereto as a part hereof, the undersigned submits the following:

A) Contact Information

The Contact information form shall be electronically signed by one duly authorized to do so, and in case signed by a deputy or subordinate, the principal's properly written authority to such deputy or subordinate must accompany the proposal. This form must be completed and submitted through www.bidsync.com as part of the bidder's submittal.

COMPANY INFORMATION:

COMPANY: **Chen Moore and Associates, Inc.**

STREET ADDRESS: **500 W Cypress Creek Road, Suite 630**

CITY, STATE & ZIP CODE: **Fort Lauderdale, FL 33309**

PRIMARY CONTACT FOR THE PROJECT:

NAME: **Daniel Davila, P.E.** TITLE: **Sr. Engineer/Branch Manager**

E-MAIL: **ddavila@chenmoore.com**

TELEPHONE: **(954) 730-0707** FAX: **(954) 730-2030**

CORPORATE OFFICER AUTHORIZED APPROVER:

NAME: **Peter Moore, P.E., F.ASCE, ENV SP, LEED AP** TITLE: **President and CEO**

E-MAIL: **pmoore@chenmoore.com**

TELEPHONE: **(954) 730-0707** FAX: **(954) 730-2030**

SIGNATURE:

Supplier: **Chen and Associates**

PROFESSIONAL SERVICES FORM

Please check the boxes shown below that your company wants to be considered for:

☑	**General Civil and Environmental Engineering Services**
☐	**Treatment Plant Process Engineering Services**
☐	**Electrical Engineering Services**
☐	**Geotechnical Services**
☐	**Structural Engineering Services**
☐	**Land Surveying Services**
☐	**General Architectural Services**
☑	**Landscape Architecture Services**
☐	**Hydro-Geological Services**
☐	**FDOT Roadway Engineering Services**

Supplier: **Chen and Associates**

City of Pembroke Pines

Attachment G

EQUAL BENEFITS CERTIFICATION FORM
FOR DOMESTIC PARTNERS AND ALL MARRIED COUPLES

Except where federal or state law mandates to the contrary, a Contractor awarded a Contract pursuant to a competitive solicitation shall provide benefits to Domestic Partners and spouses of its employees, irrespective of gender, on the same basis as it provides benefits to employees' spouses in traditional marriages.

The Contractor shall provide the City and/or the City Manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the Contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the City Manager has received a complaint or has reason to believe the Contractor may not be in compliance with the provisions of this section. Records shall include but not be limited to providing the City and/or the City Manager or his/her designee with certified copies of the Contractor's records pertaining to its benefits policies and its employment policies and practices.

The Contractor must conspicuously make available to all employees and applicants for employment the following statement:

> **"During the performance of a contract with the City of Pembroke Pines, Florida, the Contractor will provide Equal Benefits to its employees with spouses, as defined by Section 35.39 of the City's Code of Ordinances, and its employees with Domestic Partners and all Married Couples".**

The posted statement must also include a City contact telephone number and email address which will be provided to each contractor when a covered contract is executed.

SECTION 1 DEFINITIONS

1. **Benefits** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package which may include but is not limited to sick leave, bereavement leave, family medical leave, and health benefits.

2. **Cash Equivalent** mean the amount of money paid to an employee with a domestic partner or spouse in lieu of providing benefits to the employee's domestic partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse from a traditional marriage.

3. **Covered Contract** means a contract between the City and a contractor awarded subsequent to the date when this section becomes effective valued at over $25,000 or the threshold amount required for competitive bids as required in section 35.18(A) of the Procurement Code.

4. **Domestic Partner** shall mean any two (2) adults of the same or different sex who have registered as domestic partners with a governmental body pursuant to state or local law authorizing such registration, or with an internal registry maintained by the employer of at least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partners who do not register their partnerships pursuant to a governmental body authorizing such registration, or who are

located in a jurisdiction where no such governmental domestic partnership registry exists. A contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Pembroke Pines.

5. **Equal benefits** means the equality of benefits between employees with spouses and/or dependents of spouses and employees with domestic partners and/or dependents of domestic partners, and/or between spouses of employees and/or dependents of spouses and domestic partners of employees and/or dependents of domestic partners.

6. **Spouse** means one member of a married pair legally married under the laws of any state within the United States of America or any other jurisdiction under which such marriage is legally recognized, irrespective of gender.

7. **Traditional marriage** means a marriage between one man and one woman.

SECTION 2 CERTIFICATION OF CONTRACTOR

The firm providing a response, by virtue of the signature below, certifies that it is aware of the requirements of Section 35.39 "City Contractors providing Equal Benefits for Domestic Partners and all Married Couples" of the City's Code of Ordinances, and certifies the following (**Check only one box below)**:

☑ **A.** Contractor currently complies with the requirements of this section; or

☐ **B.** Contractor will comply with the conditions of this section at the time of contract award; or

☐ **C.** Contractor will not comply with the conditions of this section at the time of contract award: or

☐ **D.** Contractor does not comply with the conditions of this section because of the following allowable exemption **(Check only one box below):**

☐ **1.** The Contractor does not provide benefits to employees' spouses in traditional marriages;

☐ **2.** The Contractor provides an employee the cash equivalent of benefits because the Contractor is unable to provide benefits to employees' Domestic Partners or spouses despite making reasonable efforts to provide them. To meet this exception, the Contractor shall provide a notarized affidavit that it has made reasonable efforts to provide such benefits. The affidavit shall state the efforts taken to provide such benefits and the amount of the cash equivalent. Cash equivalent means the amount of money paid to an employee with a Domestic Partner or spouse rather than providing benefits to the employee's Domestic Partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee's spouse;

☐ **3.** The Contractor is a religious organization, association, society, or any non-profit charitable or educational institution or organization operated supervised or controlled by or in conjunction with a religious organization, association, or society;

☐ **4.** The Contractor is a governmental agency;

The certification shall be signed by an authorized officer of the Contractor. Failure to provide such certification (by checking the appropriate boxes above along with completing the information below) shall result in a Contractor being deemed non-responsive.

COMPANY NAME: **Chen Moore and Associates**

AUTHORIZED OFFICER NAME / SIGNATURE: **Peter Moore, P.E., F.ASCE, ENV SP, LEED AP**

Supplier: **Chen and Associates**

City of Pembroke Pines

Attachment L

SCRUTINIZED COMPANY CERTIFICATION
PURSUANT TO FLORIDA STATUTE § 287.135

I, **Peter Moore, P.E., F.ASCE, ENV SP, LEED AP, President and CEO**, on behalf of **Chen Moore and Associates**,
Print Name and Title — Company Name

certify that **Chen Moore and Associates**
Company Name

1. Does not participate in a boycott of Israel; and
2. Is not on the Scrutinized Companies that Boycott Israel list; and
3. Is not on the Scrutinized Companies with Activities in Sudan List; and
4. Is not on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; and
5. Has not engaged in business operations in Syria.

Submitting a false certification shall be deemed a material breach of contract. The City shall provide notice, in writing, to the Contractor of the City's determination concerning the false certification. The Contractor shall have ninety (90) days following receipt of the notice to respond in writing and demonstrate that the determination of false certification was made in error. If the Contractor does not demonstrate that the City's determination of false certification was made in error then the City shall have the right to terminate the contract and seek civil remedies pursuant to Florida Statute § 287.135.

Section 287.135, Florida Statutes, prohibits the City from: 1) Contracting with companies for goods or services in any amount if at the time of bidding on, submitting a proposal for, or entering into or renewing a contract if the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Section 215.4725, F.S. or is engaged in a boycott of Israel; and 2) Contracting with companies, for goods or services over $1,000,000.00 that are on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector list, created pursuant to s. 215.473, or are engaged in business operations in Syria.

As the person authorized to sign on behalf of the Contractor, I hereby certify that the company identified above in the section entitled "Contractor Name" does not participate in any boycott of Israel, is not listed on the Scrutinized Companies that Boycott Israel List, is not listed on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector List, and is not engaged in business operations in Syria. I understand that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject the company to civil penalties, attorney's fees, and/or costs. I further understand that any contract with the City for goods or services may be terminated at the option of the City if the company is found to have submitted a false certification or has been placed on the Scrutinized Companies with Activities in Sudan list or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

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

Company Name	Print Name / Signature	Title
3		4