

COPY

CITY of
DELRAY BEACH
F L O R I D A

QUALIFICATIONS

**Owners' Representative for
Fire Station No. 113 and Various City Projects**

Project No. 16-012

January 2019



**CDM
Smith**

TAB 1

Introduction





621 N.W. 53rd Street, Suite 265
Boca Raton, FL 33487
Tel: 561.571.3800

January 11, 2019

City of Delray Beach, City Hall Lobby
100 N.W. 1st Avenue
Delray Beach, FL 33444

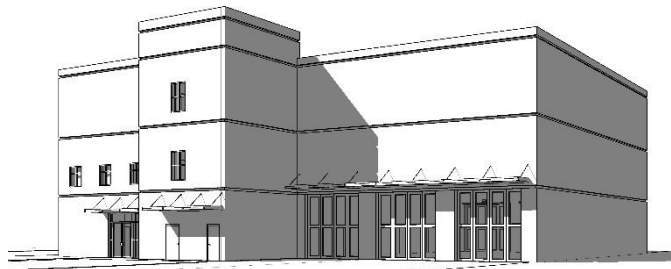
**Subject: Owners' Representative for Fire Station 113 and Various City Projects |
Request for Qualifications (RFQ) 2019-007, Project No. 16-012**

Dear Selection Committee Members:

The City of Delray Beach (City) is requesting the services of a consultant to provide owners' representative services relating to the construction of Fire-Rescue Station No. 113 and various projects. **CDM Smith Inc.** has highlighted our understanding of the services to be provided and the required experience to meet these needs in **Tab 3** of our submittal. Essential to the success of your program is a well-rounded team, led by an expert project administrator, with the proven ability to work seamlessly with the City. Our team provides important benefits to the City, including:

We Have Demonstrated a Commitment to the City and the Local Community. We are a local firm with national expertise. With an office only six miles away from the City, we are proud to be a long-standing member of the business community and a local stakeholder. For more than four decades, CDM Smith has worked for various municipalities in South Florida on a range of projects including civil design, vertical infrastructure, LEED® projects, communications centers, neighborhood revitalization, permitting, construction management services, construction engineering and inspection (CEI), and public relations. Recently, on our current program management contract with the City, we provided services such as stormwater rate analysis, infrastructure prioritization, and preparation of the design-criteria package associated with Fire-Rescue Station No. 113. This means we are already attuned to the City's procedures and preferences, so our team can hit the ground running on any project requested under this contract.

Our "Right" Staffing Approach will Drive Partnerships and Cost Efficiencies. We will begin by listening to the City with open dialogue to support successful selection of a design-build contractor, incorporating preferences in the final guaranteed maximum price (GMP) development, and sharing our experience on effective approaches taken on other design-build projects. *As demonstrated by our success as the design criteria package professional for this Fire Station, we will partner with the City to establish communications and decision-making procedures at each stage.* With a thorough understanding of program controls and document management tools, we will support the City in implementing this critical design-build project to budget and schedule in an efficient manner.



CDM Smith will build upon our existing relationship with the City and our unmatched understanding of the Fire Station 113 design criteria requirements.





Selection Committee Members
January 11, 2019

An Experienced Construction Project Administrator Committed to Executing with Discipline. John S. Chandler, a local construction specialist with 37 years of experience, including buildings, facilities, and neighborhood revitalization projects in South Florida, will serve as the construction project manager for the City. He has successfully managed several multi-million-dollar projects; is fully knowledgeable in the full portfolio of facilities, streets, and infrastructure; and has effectively interacted with governmental officials and stakeholder groups. John will be supported by our resident project representative, **David M. Mastran, RA**, who will carry out contract administration responsibilities at the site, oversee the daily activities of the design-build firm, and implement the project with the City's best interest in mind.

Our Team Brings Unique Resources to Meet the Needs of All Project Aspects. We are industry leaders in all areas of construction management, facilities, and infrastructure. We bring the City recognized experts including **Daniel R. Maher, PE**, a design-build/owner's representative specialist with more than 20 years of experience in South Florida; **Ed Morales, RA, LEED® AP**, a versatile architect with extensive experience with programming, planning, building design, and construction administration; public information group **The Merchant Strategy Inc.**, to coordinate with the community and develop outreach materials, as necessary; and **Engenuity Group, Inc.** to bring their local topographical knowledge to provide survey control services. In addition, CDM Smith will be supported by our construction group, CDM Constructors, Inc. (CCI), to support review of pricing documents and schedule. CDM Smith executes design-build projects every day and that knowledge will directly support the City's efforts in achieving a successful project.

Innovative Ideas and Cost-Saving Solutions Utilizing our Proven, Successful Experience. We will leverage our understanding of the Fire Station 113 Project, our well-established relationships with City staff, and our proven project team to manage execution of the project. This will maximize the value of "boots on the ground" expertise, lessons learned, knowledge of savings potential on the cost for construction, and understanding on project implementation requirements resulting in cost-savings solutions.

We acknowledge receipt of Addendum No. 1 and 2 and have used a Myriad Pro Condensed 12-point font throughout this proposal. I, **Suzanne E. Mechler, PE, BCEE**, am the primary person responsible for the project and authorized to bind the firm as evidenced by the Certificate included in **Tab 4**. *As associate of the firm, I fully commit CDM Smith's resources to provide the required services as shown in the RFQ.* Additional information on our firm can be found on our website at cdmsmith.com. If you require any additional information, please contact me at 561.339.3933 or mechlerse@cdmsmith.com.

Sincerely,

Suzanne E. Mechler, PE, BCEE

Associate
CDM Smith Inc.
621 NW 53rd Street, Suite 265
Boca Raton, FL 33487
tel: 561.339.3933
fax: 561.241.7084
email: mechlerse@cdmsmith.com



TAB 2

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Conflict of Interest Disclosure Form
Notification of Public Entity Crimes Law
Notification of Public Records Law
Drug-Free Work Place
CDM Smith's Drug-Free Workplace Policy
Non-Collusion Affidavit
Truth-In-Negotiation Certificate

TAB 3

Minimum Qualifications

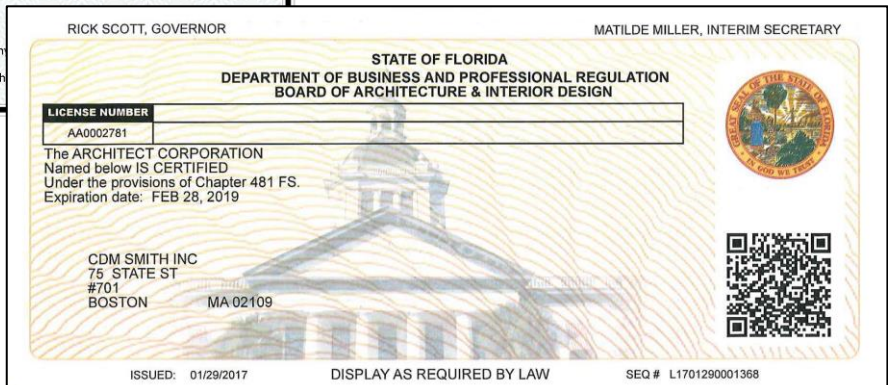
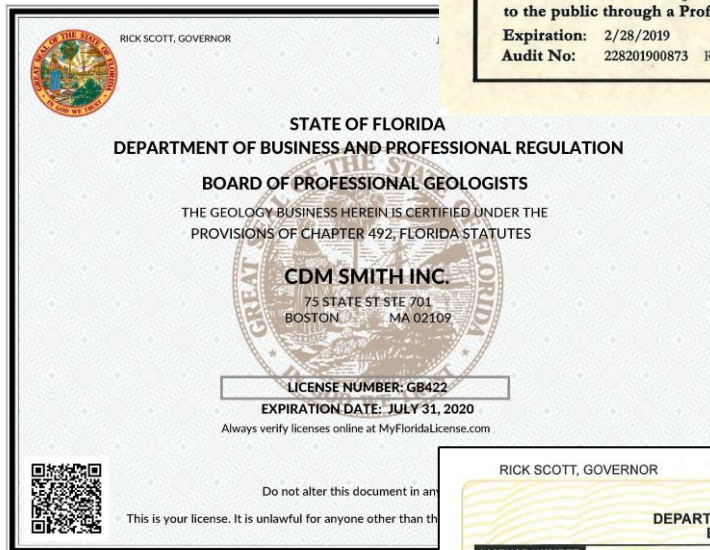
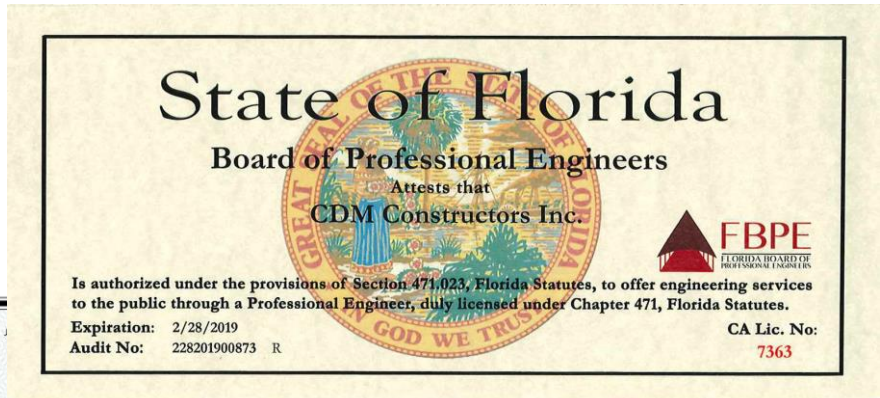
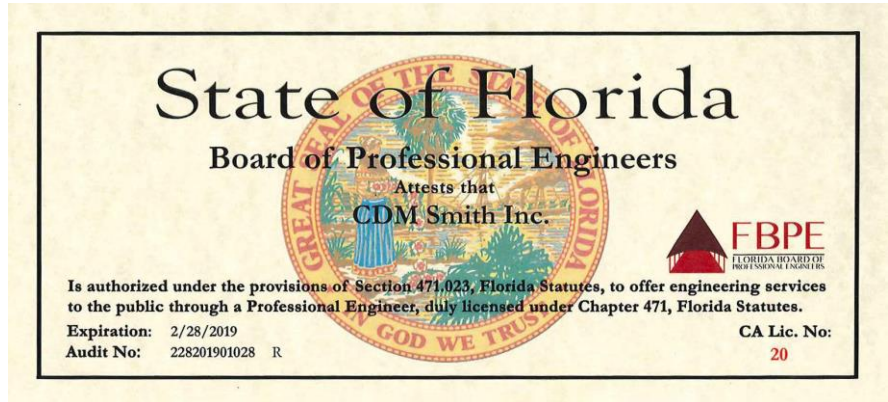


Tab 3

Minimum Qualifications

3.1 Licenses

CDM Smith Inc., and our subsidiary CDM Constructors Inc., is legally authorized, pursuant to the requirements of the Florida Statutes, to do business in the State of Florida. Evidence of our credentials and professional licenses are attached.



State of Florida

Department of State

I certify from the records of this office that CDM SMITH INC. is a Massachusetts corporation authorized to transact business in the State of Florida, qualified on April 23, 1974.

The document number of this corporation is 832235.

I further certify that said corporation has paid all fees due this office through December 31, 2018, that its most recent annual report/uniform business report was filed on March 7, 2018, and that its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Second day of April, 2018*



Ken Detjen
Secretary of State

Tracking Number: CU4885430646

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

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

3.2 Owners' Representative Services Experience

CDM Smith has proven experience in providing owner's representative services, including many delivered through alternative delivery methods. These services encompass the entire procurement process, from preparation of Request for Qualifications (RFQ) and Request for Proposals (RFP) to evaluation of proposals, bidding assistance, design-build (DB) team submittal and contract reviews, project management services, negotiation of an agreement with the preferred proposer, and oversight during project implementation. More importantly, CDM Smith has also participated in numerous alternative delivery projects preparing proposals, negotiating contracts, and executing alternative delivery projects. This experience on the "other side of the table" has enabled us to provide valuable insight when assisting clients to improve the responsiveness and efficiency of the alternative delivery procurement process. This makes CDM Smith a uniquely qualified owners' representative for the City's program.

3.2.1 Reference Project #1

1 Project Name

Central Monitoring Facility

2 Project Start and End Dates

October 2010 to August 2013

3 Brief Description of Project's Scope of Work

As part of an existing consultant agreement with the Palm Beach County Water Utilities Department (WUD), CDM Smith was retained to provide professional design services associated with preliminary design, final design, permitting, bidding, and construction management for the 3,000-ft² Central Monitoring Facility (CMF).

CDM Smith completed final design of an approximately 3,000-ft² hurricane hardened addition to the existing CROC building in May 2012. This facility is the central nerve for the County on a daily basis serving as the hub for monitoring, optimizing, controlling, and responding to situations within WUD's water, wastewater, and reclaimed water systems. During the final design phase, we continued to collaborate with WUD through interactive charrettes which, with the input of all stakeholders, allowed the design to be tweaked and revised to meet WUD's needs for this very important facility.

The CMF is a secure facility designed to include the following spaces:

1. Communications Control Area – The County's communications group uses this communications area on a 24/7/365 basis to monitor SCADA and security.
2. Command Center – The County will utilize this area for critical staff before, during, and after disaster events.
3. Server Room – New space to accommodate all the existing County servers and uninterrupted power supply (UPS).
4. Accessory Spaces – Men and women toilet rooms, breakroom, HVAC, and electrical rooms.

The project was constructed through WUD's existing Construction Management-At-Risk (CMAR) contract with the Contractor. CDM Smith was the owner's representative during construction. Specifically, we negotiated the contract price with the CMAR firm, reviewed shop drawings, made recommendations on the resolution of issues, attended construction meetings, and conducted the substantial completion and final completion inspections.

4 Client Business and Name**Palm Beach County Water Utilities****Department**

Anthony Longo, Facilities System Project Manager

5 Number of Change Orders or Contract Modifications

\$240,762 for user department change requests including new TV/ monitors and additional hardening (11 change orders)

6 Project Beginning and Ending Contract Amount

Beginning: \$1.70M

Ending: \$1.94M

7 Client Contact Phone Number

561.233.0219

8 Client Contact Email Address

alongo@pbcgov.org

3.2.2 Reference Project #2**1 Project Name****Progressive Design-Build for Ion Exchange Resin Plant and East WTP Improvements****2 Project Start and End Dates**

March 2015 to June 2017

3 Brief Description of Project's Scope of Work

CDM Smith was selected by the City of Boynton Beach to implement a \$30.8M design-build delivered through a progressive design-build method. The project included installation of an Ion Exchange Resin Plant, upgrade of the WTP to a capacity of 24 mgd, and addition of a medical clinic, control room, and office space. CDM Smith was the engineer-of-record and contractor.

The project scope included surveying, geotechnical services, preliminary engineering and design, final design, all permitting, equipment procurement, demolition, site restoration, site improvements, and construction of the water treatment plant additions and improvements including but not limited to civil, mechanical, structural, electrical, instrumentation and control, telemetry disciplines, quality control, and safety.

The project was submitted to the Institute for Sustainable Infrastructure and achieved a Bronze Envision Certification for the environmentally friendly design and construction techniques. *This project won the 2018 National Design-Build Institute of America (DBIA) Merit Award in Water/Wastewater as well as the 2018 Florida DBIA Best Overall award in Water/Wastewater.*

4 Client Business and Name**City of Boynton Beach, FL**

Michael Low, Manager Technical Services

5 Number of Change Orders or Contract Modifications

One deductive change order (\$5.3M) for sales tax savings, owner direct purchase items, and value engineering

6 Project Beginning and Ending Contract Amount

Beginning: \$30.8M

Ending: \$25.5M

7 Client Contact Phone Number

561.742.6403

8 Client Contact Email Address

lowm@bbfl.us

3.2.3 Reference Project #3

1 Project Name

Design-Build-Operate of a Mass Burn Waste-to-Energy Facility

2 Project Start and End Dates

May 2011 to July 2015

3 Brief Description of Project's Scope of Work

The total capital cost for the design-build project was \$667M. CDM Smith was a major subcontractor to another firm. CDM Smith's scope of work included the design and construction of the on-site roadways, drainage, utilities, landscaping, grading, and fencing. We also designed and constructed the tipping floor building, the refuse pit building, air pollution control (APC) building, the boiler building, the ash handling building, the maintenance/warehouse building, a Platinum LEED®-certified administration building/visitor center, fire pump building, and a fuel dispensing facility.

CDM Smith also designed and oversaw construction of the following:

1. Building Mechanical Services – HVAC design for the administration building/ visitor center and maintenance building.
2. Architecture - CDM Smith provided all architectural design features associated with the interiors of the Platinum LEED®-certified administration building.

Additionally, CDM Smith managed several subcontractors conducting geotechnical investigations, topographic surveys, and tree surveys. We also oversaw subcontractors providing pre-engineered metal buildings and fire protection systems. During the design-build process, CDM Smith provided services during construction, which included bi-weekly meetings, submittal review, RFI assistance, site visits, and punch list resolution.

4 Client Business and Name

Solid Waste Authority of Palm Beach County

Ray Schauer, Director of Engineering and Public Works

5 Number of Change Orders or Contract Modifications

One \$229,188 change order for enhanced aesthetics allowance and final contract adjustments

6 Project Beginning and Ending Contract Amount

Beginning: \$120M

Ending: \$120M

7 Client Contact Phone Number

561.640.4000 ext. 4603

8 Client Contact Email Address

rschauer@swa.org

3.2.4 Reference Project #4

1 Project Name

South Miami Heights WTP, Design-Build-Operate Finance and Maintain (DBFOM)

2 Project Start and End Dates

September 2013 to August 2018

3 Brief Description of Project's Scope of Work

CDM Smith's scope of services included providing professional engineering services for development of a design-build criteria package that will serve as the basis for preparing the final design for a new \$150M membrane water treatment facility and raw water supply wellfield with an initial capacity of 20 mgd, and preparation of procurement documents for a proposed design-build alternative delivery, including operation and financing, for Miami-Dade County.

As part of the criteria development, CDM Smith prepared criteria including civil, structural, electrical, mechanical, architectural, and automation, evaluated the design to meet LEED® Silver certification, and evaluated climate change adaptation for the facility. CDM Smith prepared the Design Criteria Packages of the WTP and raw water supply system including the Request for Qualifications (RFQ), Request for Proposal (RFP), and draft Design-Build Service Contract procurement documents. As part of the criteria development, CDM Smith conducted a hydrologic evaluation of the

UFA wellfield based on the results of a systematic and comprehensive hydrogeologic test program. Our team provided full time owner's representative and resident project representative (RPR) services during the \$18M test program to evaluate potential yield and quality of groundwater from the UFA at the proposed SMH wellfield site. Three test production wells for hydrogeological assessment and a Class V deep exploratory well located at the SMH WTP site were designed, permitted, and constructed. The hydrogeologic data collected was used to provide critical design criteria for the SMH WTP and Wellfields.

4 Client Business and Name

Miami-Dade Water and Sewer Department
Mario Garcia, Priority Capital Improvements – Acting Chief

5 Number of Change Orders or Contract Modifications

\$3M in dedicated allowances and contingencies (Wellfield Program)

6 Project Beginning and Ending Contract Amount

Beginning: \$13M (Wellfield Program)
Ending: \$16M (Wellfield Program)

7 Client Contact Phone Number

786.552.4353

8 Client Contact Email Address

mario.garcia2@miamidade.gov

3.2.5 Reference Project #5

1 Project Name

CEI Services for the Gateway Harbor Walk Phase 1A

2 Project Start and End Dates

May 2015 to August 2016

3 Brief Description of Project's Scope of Work

The project consisted of the construction of the new Live Oak Point Park facility located along the northeast side of US 41 in Charlotte Harbor. CDM Smith provided owner's representative services and construction oversight for the \$2.4M site improvements that included roadway/parking area construction, storm sewer improvements, retaining walls, utilities, lighting, landscaping, and irrigation. We also provided daily inspection which included daily reporting of construction, quantity measurements, and coordination with the contractor and the various utilities including Florida Power & Light (FPL) transmission. On this project we were instrumental in identifying a major conflict by providing diligent and persistent leadership, communication, coordination and design solutions so that a construction delay claim could be avoided,

and a much more realistic design option could be constructed. We also provided scheduling, requests for information (RFI), and shop drawing review, while leading all project meetings with the County, the contractor, FDOT, and utilities. *This project team won the FDOT District One Notable Project Award for 2016.*

4 Client Business and Name

Charlotte County, FL

Kelly Slaughter, Project Manager

5 Number of Change Orders or Contract Modifications

One charge order due to owner added work

6 Project Beginning and Ending Contract Amount

Beginning: \$2.3M

Ending: \$2.4M

7 Client Contact Phone Number

941.575.3657

8 Client Contact Email Address

kelly.slaughter@charlottecountyfl.gov

3.2.6 Attachments

As requested by the RFQ, we have included representative photographs supporting our reference projects below.



Reference Project #1: Central Monitoring Facility



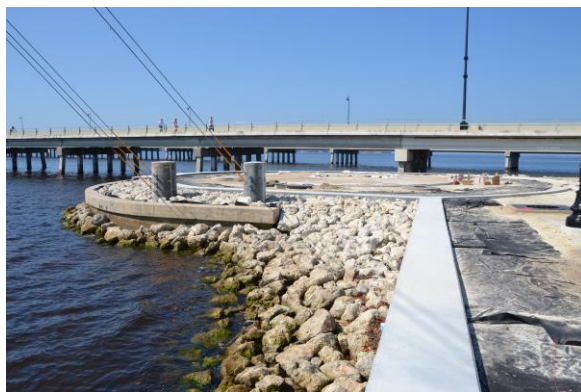
Reference Project #2: Progressive Design-Build for Ion Exchange Resin Plant and East WTP Improvements



Reference Project #3: Design-Build-Operate of a Mass Burn Waste-to-Energy Facility



Reference Project #4: South Miami Heights WTP, Design-Build-Operate Finance and Maintain (DBFOM)



Reference Project #5: CEI Services for the Gateway Harbor Walk Phase 1A

TAB 4

Proposers Information



Tab 4

Proposers Information

4.1 Legal Contracting Name

CDM Smith Inc.

4.2 State of Organization or Incorporation

CDM Smith is a Massachusetts corporation licensed to conduct business in the State of Florida.

4.3 Ownership Structure of Proposer's Company

CDM Smith is an employee-owned corporation.

4.4 Federal Identification Number

CDM Smith's Federal Identification Number is 04-2473650.

4.5 Contact Information – Corporate Headquarters

CDM Smith Inc.

75 State Street, Suite 701

Boston, MA 02109

Tel: 617.452.6000

4.6 Contact Information – Office Location(s) Relevant to this Solicitation

For the City's project, our team will be based out of our Boca Raton office, located at 621 N.W. 53rd Street, Suite 265, Boca Raton, FL 33487. Only six miles away from the City, this location will allow our team to remain responsive throughout the project. A list of offices that will provide services are listed below.

Name	Address	Phone
CDM Smith – Boca Raton, FL	621 N.W. 53rd Street, Suite 265 Boca Raton, FL 33487	561.571.3800
CDM Smith – Miami, FL	800 Brickell Avenue, Suite 500 Miami, FL 33131	305.372.7171
CDM Smith – Maitland, FL	101 Southhall Lane, Suite 200 Maitland, FL 32751	407.660.2552
CDM Smith – Sarasota, FL	5965 Cattlemen Lane Sarasota, FL 34232	941.915.5604

CDM Smith – Fort Myers, FL	4210 Metro Parkway, Suite 230 Fort Myers, FL 33916	239.938.9600
CDM Smith – Atlanta, GA	3200 Windy Hill Road, Suite 210 W Atlanta, GA 30339	404.720.1400
The Merchant Strategy, Inc.	1804 N Dixie Hwy B West Palm Beach, FL 33407	561.315.9110
Engenuity Group, Inc.	1280 N Congress Ave, Suite 101 West Palm Beach, FL 33409	561.655.1151

4.7 Years in Business

CDM Smith has been providing similar services to clients for 71 years. For more than 43 years, CDM Smith has provided engineering and owners' representative services to Florida clients.

4.8 Officers, Owners and/or Partners, or Managers of the Firm

CDM Smith has developed a corporate structure which places project management capabilities in each local office and retains production engineers and discipline experts in design centers located across the country. This allows CDM Smith to draw upon the full corporate resources of our firm wide practices to staff our projects with the best qualified people. Linked by a state-of-the-art computer network, staff located throughout the firm have the ability to provide our clients with personal service on a local basis, while quickly drawing upon the technical expertise of national resources throughout CDM Smith. The table below lists our corporate management structure, as well as our local principal-in-charge. Ms. Mechler, out of our Boca Raton office, will work directly with the City, responsible for overall client satisfaction and contract negotiations.

Name	Title	Address	Phone/Email
Timothy B. Wall	Chairman/Chief Executive Officer	75 State Street, Suite 701 Boston, MA 02109	617.452.6257 wallt@cdmsmith.com
Anthony B. Bouchard	President/Chief Operating Officer	75 State Street, Suite 701 Boston, MA 02109	617.452.6111 bouchardab@cdmsmith.com
Thierry Desmaris	Executive Vice President, Finance and Mergers & Acquisitions	75 State Street, Suite 701 Boston, MA 02109	617.452.6090 desmarist@cdmsmith.com
Kevin C. Leo, PE, BCEE	Senior Vice President	621 N.W. 53 rd Street, Suite 265 Boca Raton, FL 33487	561.571.3728 leokc@cdmsmith.com
Suzanne E. Mechler, PE, BCEE	Associate/Principal-in-Charge	621 N.W. 53 rd Street, Suite 265 Boca Raton, FL 33487	561.571.3756 mechlerse@cdmsmith.com

4.9 Additional Organizational Information

CDM Smith is a consulting engineering firm delivering exceptional service to public and private clients worldwide. An employee-owned corporation with \$1.19B in annual revenue and a multi-disciplinary staff of nearly 4,800 in over 125 offices

worldwide, we maintain the size, stability, and resources required to successfully undertake a diverse range of projects, while providing personalized, local client service.

CDM Smith is also an integrated design-build (DB) firm recognized for excellence in the management and execution of large, complex projects throughout the country. CDM Constructors Inc. (Corporation) is a wholly-owned subsidiary of CDM Smith and is responsible for managing and executing all construction work for the firm. The firm has used design-build delivery to construct hundreds of successful utility and infrastructure projects with parent company resources, acting as a fully integrated design-build-operate firm.

4.10 Contact Information – Primary Representative

Suzanne E. Mechler, PE, BCEE
Associate/Principal-in-Charge
Tel: 561.571.3756
Email: mechlerse@cdmsmith.com
621 N.W. 53rd Street, Suite 265
Boca Raton, FL 33487

Suzanne is authorized to sign on behalf of CDM Smith, as shown in the Certificate of Signing Authority to the right.

4.11 Contact Information – Secondary Representative

Daniel R. Maher, PE
Senior Project Engineer
Tel: 786.437.2770
Email: maherdr@cdmsmith.com
800 Brickell Avenue, Suite 500
Miami, FL 33131



4.12 Lawsuits Pending or Judgments within the Last Five Years

Because of its size and volume of business, CDM Smith Inc. has occasionally been named in litigation. Most of these lawsuits involve either a subcontractor or supplier claiming extra costs. On occasion, CDM Smith Inc. is also required to respond to a lawsuit filed by a client or file a lawsuit to seek payment from a client. There are no past or currently outstanding legal proceedings, judgments or contingent liabilities that could adversely affect the financial position or ability of CDM Smith Inc. to perform its contractual commitments.

The following is a list of lawsuits that have been filed against CDM Smith Inc. during the past five years arising from its engineering services.

Date Filed	Case Name	Location	Forum	Cause of Action	Status
25-Oct-18	Spence Brothers v. Board of County Road Commissioners of the County of Bay, and Board of County Road Commissioners of the County of Bay, Counter-Plaintiff, v. Spence Brothers, Counter-Defendant/Third-Party Plaintiff, v. CDM Smith Inc., Third-Party Defendant.	MI	Circuit Court for the County of Bay, State of Michigan	Third Party Complaint alleging Negligent Misrepresentation	Pending
21-Sep-18	Cambria Community Services District, a California Independent Special Services District v. CDM Smith Inc., a Massachusetts Corporation, and DOES 1 through 25, inclusive	CA	Superior Court of the State of California for the County of San Luis Obispo	Breach of Contract, Professional Negligence	Pending
29-Jun-18	Morange Lake Association, Inc. v. South Carolina Department of Transportation, South Carolina Department of Health and Environmental Control, CDM Smith, Inc., Phillips & Jordan, Inc.	SC	State of SC Court of Common Pleas, County of Lexington	Negligence, Trespass, Conversion, Strict Liability, Nuisance, Civil Conspiracy	Pending
02-Apr-18	Daniel Nishihara, et al. v. CDM Smith Inc., f/k/a/ Camp Dresser & McKee Inc., Damien Herrera, P.E., S.J. Louis Construction of Texas Ltd., S.J. Louis, LLC, and City of San Antonio, acting by and through its San Antonio Water System Board of Trustees	TX	285 th Judicial District in Bexar, Texas	Wrongful Death, Survival Action, Personal Injury	Pending
29-Mar-18	Skyline Engineering, LLC v. RCDolner LLC, Lakhani & Jordan Engineers, P.C., CDM Smith Inc. and Turner & Townsend Ferzan Robbins LLC	NY	Supreme Court of the State of New York, County of New York	Contribution, Indemnification	Pending
31-Jan-18	Merrimack Mutual Fire Insurance Company a/s/o Mirela Travalja Family Trust v. City of New York, Simco Engineering PC, and Camp Dresser & McKee Inc. a/k/a CDM Smith Inc.	NY	Supreme Court of the State of NY, County of Queens	Negligence	Pending
28-Dec-17	Suleymar Ramos-Castro, et al v. Wilbur Smith Associates, Inc. and CDM Smith Inc.	CT	Superior Court J.D. of New Haven	Negligence	Closed

29-Sep-17	John Haughey & Sons, Inc. v. CDM Smith Inc.	PA	Court of Common Pleas of Allegheny County, Pennsylvania Civil Division	Negligence	Pending
28-Apr-17	City of Santa Barbara, etc., vs. CDM Smith Inc., etc., et al	CA	Santa Barbara County, Superior Court - Santa Barbara, CA	Breach of contract	Pending
28-Apr-17	The City of Meridian vs. Hemphill Construction Company, Inc.	MS	Circuit Court of Lauderdale County, MS	Breach of Contract, Negligence	Pending
31-Mar-17	St. Bernard Parish Government v. CDM Smith Inc., et al	LA	34 th Judicial District Court for the Parish of St. Bernard	Negligence	Pending
12-Jan-17	W.C. English Inc. v. Rummel, Klepper & Kahl, LLP, and CDM Smith Inc.	VA	US District Court, Western District of Virginia	Professional Negligence	Pending
12-Aug-16	Pepper-Lawson Construction, LP v. March Construction, Inc.; RLI Insurance Company, Desert Steel Co., Inc., Skyline Forming South Texas, Inc., Jack Claflin, Plan C Contracting, L.P., The Redland Group, LLC, Brushy Creek Regional Utility Authority; Safeco Insurance Company of America; CDM Smith, Inc.; and Jose I. Guerra, Inc.	TX	277 th Judicial District Court of Williamson County, TX	Contribution, Indemnification	Pending
17-Jun-16	Commonwealth of Massachusetts v. Veolia Water North America North-East LLC, et al. including CDM Smith and Town of Plymouth	MA	Superior Court Department, Suffolk County	Breach of Warranty, Breach of Contract	Pending
02-May-16	Town of Plymouth vs. Veolia Water North America - Northeast LLC, Veolia Water	MA	US District Court District of Massachusetts	Professional Negligence	Pending

	North America Operating Services, et al including CDM Smith Inc.				
18-Apr-16	Infrastructure Corporation of America vs. Town of Longboat Key, Florida, TB Landmark Construction, Inc., CDM Smith Inc. And Spectrum Underground Inc.	FL	12 th Judicial Circuit, Manatee County, Florida Civil Division	Property Damage	Pending
18-May-15	Estate of Westbrook v. Candelaria Margarita Perez, et al.	FL	Hillsborough County Circuit Court, FL	Negligent design	Closed
06-Apr-15	Lake County Public Water District v. CDM Smith Inc. et al	IL	Nineteenth Judicial Circuit Lake County, Illinois	Breach of contract	Closed
30-Jan-15	DeVere Construction Company, Inc. v. CDM Smith Inc., Union County, and Pete Duty and Associates, Inc.	NC	NC Superior Court Division	Negligence	Closed
25-Aug-14	Diamondhead Water and Sewer District v. CDM Smith Inc.	MS	US District Court, Southern District of Mississippi	Breach of Contract, Negligent Misrepresentation, Negligence, Indemnification	Closed

4.13 Ownership Changes

As of January 2018, there were several changes to CDM Smith's executive leadership team. The new team is portrayed on the right. We do not anticipate any ownership changes within the next six months.

4.14 Principals of the Company

CDM Smith has many principals due to our corporate structure outlined in 4.8 above. For this contract, our local principal-in-charge Ms. Mechler, out of our Boca Raton office, will work directly with the City and will be responsible for overall client satisfaction and contract negotiations.



TAB 5

Experience and References



Tab 5

Experience and References

Our team structure is streamlined and efficient. This team has the requisite expertise with design and owner's representative programs, an intimate understanding of this type of program, and community connections to help you to successfully attain your program goals. CDM Smith brings the City exceptional experience, qualifications, and technical excellence with owner's representative services and a thorough understanding of design-build projects. We have provided relevant owner's representative support to a number of cities and towns across the country. This experience will result in successful implementation of the City's project.

The heart of effective owner's representative services is supporting the City in project delivery and execution. Properly and effectively managing is the core of the CDM Smith's business, and we will bring this important factor to the City during the execution of this contract. This project is critical as the design will have to be managed to comply with the City's Fire Station and Emergency Operations needs. Focusing on high-quality design and Guaranteed Maximum Price (GMP) development is paramount to keeping costs low and change orders to a minimum. Project execution will be based on "doing it right the first time" philosophy. In our experience, effective and efficient delivery of the project is accomplished when key system elements are thought through and executed with due diligence. More information about our teaming structure and proposed personnel can be found in our **SF 330** attached at the end of this section.

5.1 Proposer's Years of Experience as Owners' Representative

CDM Smith possesses extensive local and national experience in both owner's representative services as well as design-build.

These services have been a hallmark of CDM Smith's engineering services for more than 71 years. As an owner's representative, CDM Smith helps clients achieve a high degree of success with their programs. A representative list of our national experience is shown below.

Representative List of Experience as Owners' Representative	Owner's Representation	Construction Management	Design-Build/ Alternative Delivery
Owner's Representative Services for the Design, Permitting, Construction, and Operations, West Palm Beach, FL	●	●	●
Owner's Representative Design Build Headworks Facility, San Jose, CA	●	●	●
Owner's Representative Services Buckman Direct Diversion Project, Santa Fe, NM	●	●	●
Metro Water Services Overflow Abatement Program & CMAR Project, Nashville, TN	●	●	●
Program Management Services for CSO Abatement Program, Onondaga County, NY	●	●	
Owner's Advisory Services for Procurement of DBO Thermal Drying Facilities, North Andover, MA	●	●	●
Project Advisor, CMAR of Water Treatment Plant No. 4, Austin, TX	●	●	●
CMAR Delivery, San Jacinto River Authority WTP (Greenfield Plant), Conroe, TX	●	●	●

5.2 Subconsultant Firms

The CDM Smith team will be rounded out by two highly-qualified subconsultants: **The Merchant Strategy, Inc.** as public information officer and **Engenuity Group, Inc.** performing survey as well as CEI inspection and QA/QC services.



The Merchant Strategy, Inc. | Public Information Officer

1804 N Dixie Hwy B West Palm Beach, FL 33407 | Tel: 561.315.9110

The Merchant Strategy, Inc. (TMS) is a woman owned small business, certified DBE by the Florida Department of Transportation, SBE by Palm Beach County, the South Florida Water Management District and the City of West Palm Beach, and MBE by the Palm Beach and Broward County School Districts and the State of Florida. Their team of professionals offer extensive expertise in public involvement, government and community relations, social media management, event production, and media outreach. TMS' client lists include city governments, non-profit agencies, and industry leaders in transportation, architecture, engineering, construction, environmental services, and utilities. TMS has provided their services for numerous clients in South Florida since their founding in 2003. They served as an ongoing public involvement consultant for the City of Boynton Beach.

TMS has teamed with CDM Smith on several projects including the City's program management contract, the design-build of the waste-to-energy facility for Solid Waste Authority of Palm Beach County, the design-build of the East Water Treatment Plant Improvements for Boynton Beach, and the Palm Beach County Sanitary Sewer Evaluation program which included daily coordination with residents who were impacted by CCTV testing. Sharon J. Merchant, president of TMS, is dedicated to meeting the needs of stakeholders and the community as the Public Information Officer and will engage her team to support these efforts.



Engenuity Group, Inc. | Survey, CEI Inspection and QA/QC

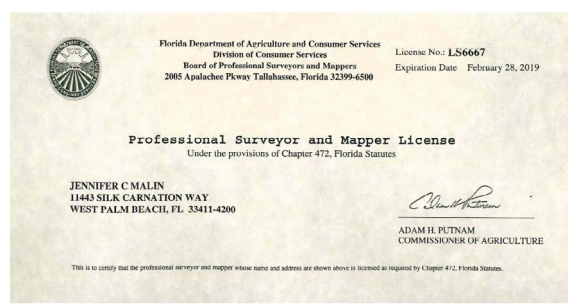
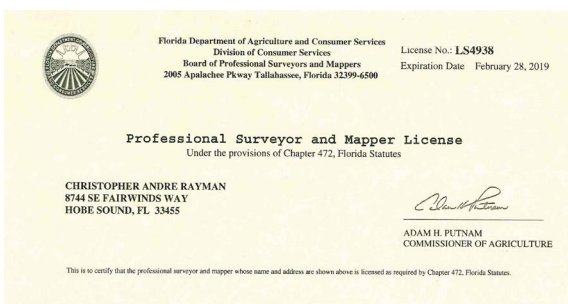
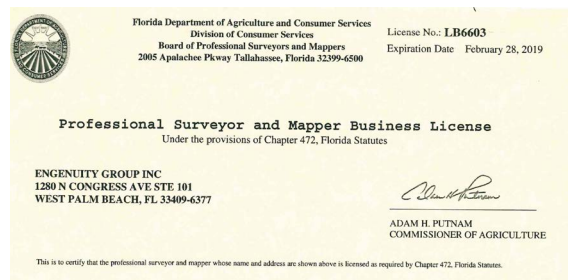
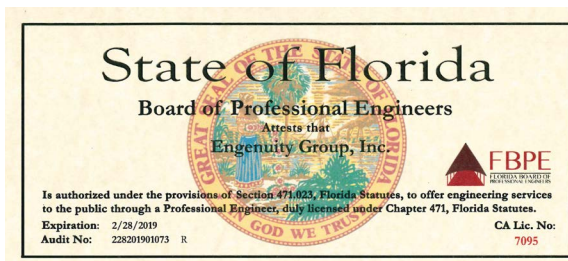
1280 N Congress Ave, Suite 101 West Palm Beach, FL 33401 | Tel: 561.655.1151

Engenuity Group has more than four decades of experience in civil engineering, surveying, and GIS mapping from their office located in West Palm Beach, FL. Engenuity Group is recognized as a minority business in the State of Florida as well as a Small Business in Palm Beach County. Their survey services include boundary and topographic survey, route surveying, plat preparation/review/coordinate geometry, mean and ordinary highwater lines/flood elevation certificate, bathymetric and hydrographic studies, coastal surveying, right of way maps/control surveys, condominium documents, construction layout/record drawings, and special purpose surveys. The Engenuity Group team also has vast experience providing construction contract administration. Their services include conducting meetings and preparing minutes, conducting field observations and preparing reports, reviewing shop drawings, verifying quantities and reviewing pay applications, NPDES monitoring with certified staff, preparing and issuing Change Orders and Field Orders, conducting semi-final and final walkthroughs, and reviewing record drawings.

As a subconsultant to CDM Smith, Engenuity Group provided survey services on the Design-Build-Operate of a Mass Burn Waste-to-Energy Facility for the Solid Waste Authority of Palm Beach County (SWA). On this contract, they provided topographic survey, provided location and elevation of soil boring locations, established and maintained four site bench marks, and coordinated utility line flagging by PBC utility locators.

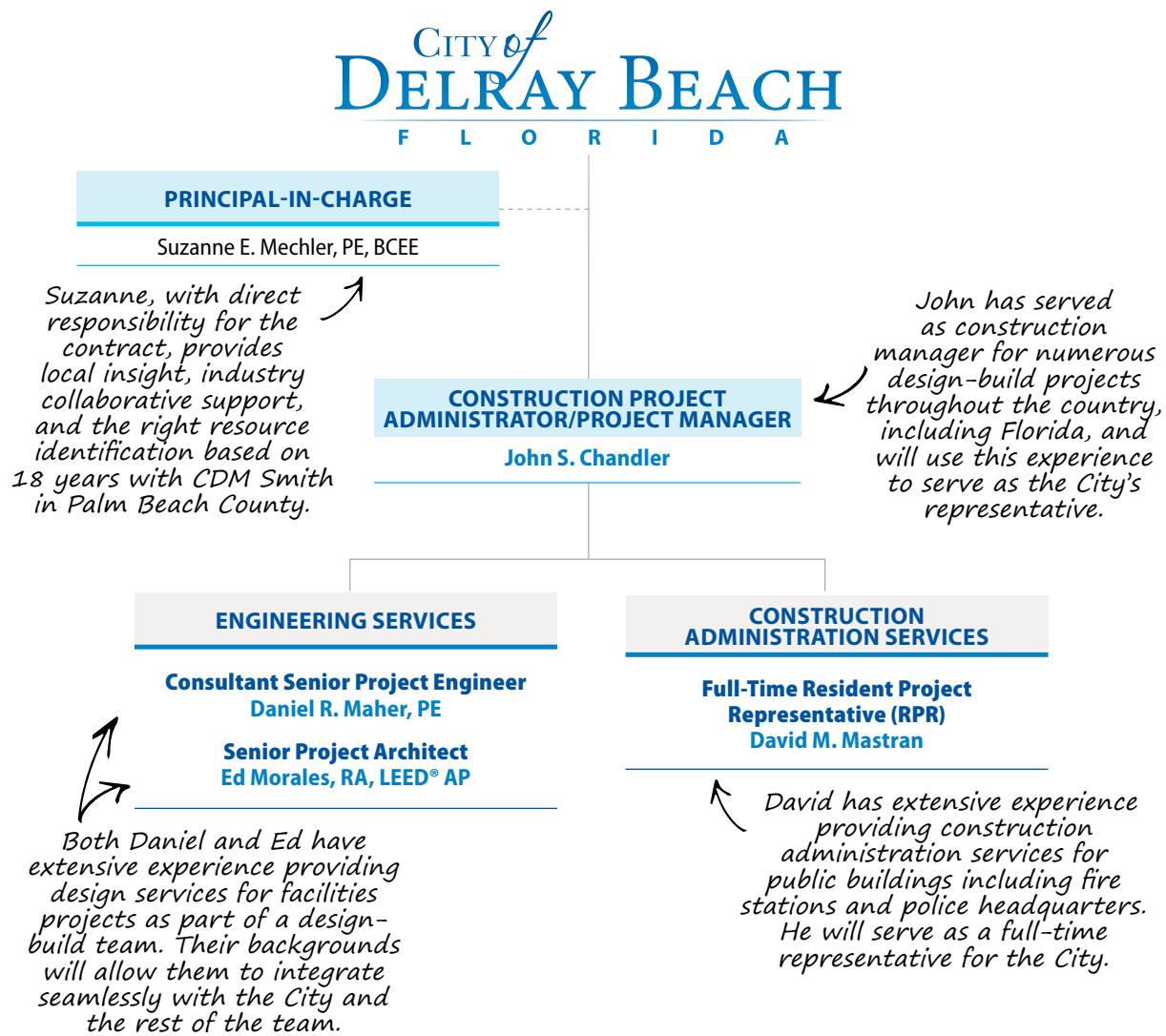
Licenses and certifications for both TMS and Engenuity Group are included on the following page.

CDM Smith has successfully teamed with both TMS and Engenuity Group on similar design-build projects, proving our ability to act as a cohesive team in order to meet or exceed the client's expectations.



5.3 Key Personnel

An essential part of successful owner's representative services is the ability to think ahead, to anticipate problems before they occur, and to react quickly. Thinking ahead effectively about the right things requires experience and a commitment to this attitude throughout the organization. The highly qualified members of the CDM Smith team committed to the City will constantly "look around the corner" in order to maximize opportunities and avoid problems. This will be achieved by placing heavy emphasis on project controls and procedures from the start, emphasizing proactive planning on project matters such as price development, operability of the station, and overall constructability. Our management approach will also look ahead to avoid costly construction delays and rigorously provide value engineering for each design to achieve the biggest "bang for the buck". This forward-leaning attitude to program management is essential to not only control cost, schedule, and quality, but also to find ways to become more efficient, reduce costs, and beat schedules. Our proposed team is shown below. The CDM Smith team, backed by proven success with similar programs, provides the City with leadership and sage advice. The collective experience of the key personnel that has been put together for this program will allow for a fast start, moving this and any other projects out the door with a long-term positive impact to the overall organization and project execution.



Key Personnel

John S. Chandler |

Consultant Project Administrator/Project Manager



John brings more than 36 years of experience in construction and construction management working as a Contractor, as part of design-build team, and as an owner's representative. He is experienced in providing project management, bid preparation, construction management, and engineering and design services related to a variety of projects including water plants; wastewater plants; underground water, sewer, and storm drainage projects; engineering and marine construction projects; and power and process plant facilities. John's responsibilities have also included budgeting and scheduling, permitting, report preparation, construction layout, and bid preparation.

"CDM Smith understands the critical factors that make for successful oversight and management of a LEED-certified Fire Station via design-build delivery including early and frequent coordination with stakeholders to ensure that the design and construction fill all the needs of the Fire Department and City. CDM Smith has assembled an experienced team that will manage these critical factors and deliver a successful project." – John

EXPERIENCE WITH SIMILAR WORK

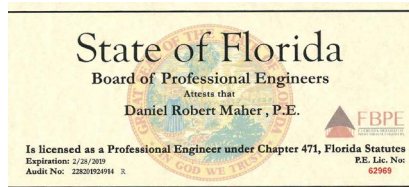
- John served as construction manager on the Solid Waste Authority Customer Convenience Dropoff Center and most recently, the City of Coral Springs Roadway Resurfacing and Striping Project, coordinating construction engineering inspectors.
- John was the design-build coordinator for the City of Dania Beach WTP Addition Project that received the 2013 Design Award for Water/ Wastewater Projects.
- John has contributed his construction management services on the City of Boynton Beach's Ion Exchange Resin Facility and East WTP.

Daniel R. Maher, PE |

Consultant Senior Project Engineer



Dan's has more than 20 years of environmental and civil engineering design, resident engineering, construction management, and project management experience in support of a broad range of projects. His project experience includes site development for government and private clients, environmental remediation, ports and harbors improvements, and solid waste. Dan is experienced in providing construction management and field engineering services, project management, preparation of engineering drawings, technical specifications, engineering and construction cost estimates, and coordination of multi-discipline projects.



"Having recently prepared the design criteria package for this project, I am looking forward to continuing to support the City with a successful, design-build project implementation. My priorities as an Owner's representative, are maintaining budget and schedule, incorporating preferences, and stakeholder engagement." – Dan

EXPERIENCE WITH SIMILAR WORK

- Dan oversaw the preparation of design criteria documents and procurement documents for the Fire Station 113 design-build project and coordinated closely with the City to include preferences and manage site limitations.
- Dan served as project manager for the development of a design-build criteria package and contract procurement documents for a proposed 48-inch diameter transmission main for WASD and the Alexander Orr Jr. WTP.
- Dan was responsible for overseeing the preparation of design criteria and procurement documents for the South Miami Heights WTP program.

Ed Morales, RA, LEED® AP | Architect-of-Record



Ed is a versatile architect with expertise in all phases of project design and delivery. He has extensive experience with programming, planning, building design, and construction administration for government, education, military, institutional, and commercial clients. He has a proven track record of consistent delivery of projects on-time and within project and design budgets for satisfied clients. Ed has a technology-oriented background with expert knowledge of Revit and AutoCAD as well as Photoshop and other design, presentation, and productivity tools.

"In addition to the typical construction tasks, there are many critical items specific to the construction of a Fire Station/EOC facility that must be verified to ensure it operates smoothly from day one. The Apparatus Bay is one of the most important spaces in the operation of the fire station. If it is not functioning properly or not usable for any reason, it can slow response times and hinder performance of the entire station." — Ed

David M. Mastran | Full-Time Resident Project Representative (RPR)



Dave brings more than 44 years of experience in program and construction management, contract coordination and administration, quality control, claims research and analysis, and field inspection. His recent focus has been on program and construction management, from oversight of construction documents and field construction through inspection for new projects and renovations, both commercial and residential. Dave has been involved in projects ranging from \$50,000 to \$500M for clients in various sectors. Dave's over 44 years of experience in design and construction, and specifically a thorough understanding of fire station requirements, will provide immediate value to the City throughout all phases of the project.

"As the Owner's Representative, I would review the entire project with the Owner's intent in mind. Find out what is important so that I could keep them well informed as the work progresses. I would maintain good and trusted relations with the Owner, the Architect/Consultants and the Design-Build Contractor. I believe swift and accurate coordination is key to maintaining the budget and the schedule for a successful project." — Dave

EXPERIENCE WITH SIMILAR WORK

- Ed served as architect and performed construction administration and observation services for the \$2.5M renovation of City of Deltona Fire Station #61
- Ed served as architect for new \$3M Fire Station #13, Springfield, IL
- Ed served as architect and performed construction administration and construction observation services for the \$7M Brevard County Viera and Melbourne Health Clinics



EXPERIENCE WITH SIMILAR WORK

- For the City of Fort Lauderdale, Dave was the Program and Construction Manager for 10 new and renovated fire stations in various locations throughout the City.
- Dave acted as owner's representative for the design and construction of a new \$15M police headquarters building for the City of Riviera Beach.
- As owner's representative for the Palm Beach International Airport, Dave served as an extension of staff, providing program and construction management services for architectural improvement projects covering the design, bid and selection, construction and close-out phases.

5.4 Significant or Unique Awards

CDM Smith is regularly recognized for our excellence in engineering design and client service. In fact, CDM Smith was honored with the following rankings from Engineering News Record (ENR) for 2018: 23rd Design Firm (Top 500), 61st Design-Build Firm (Top 100), and 15th Program Management Firm (Top 50) among others.

Additionally, many of our reference projects have received awards. These include:

- DBIA Best Overall Design-Build Project of the Year Award for the **City of Boynton Beach Ion Exchange Resin Plant and East WTP Improvements** as well as the Institute for Sustainable Infrastructure Bronze Envision Certification for the environmentally friendly design and construction technique
- The CEI team won FDOT District 1 Notable Project Award in 2016 for **Gateway Harbor Walk Phase 1A**
- The **Bee Ridge Road Expansion** won Florida Association of County Engineers & Road Superintendents' Team Project of the Year Award for 2017
- The **Biosolids Pelletization Facility** was awarded a Florida Institute of Consulting Engineers (FICE) Grand Award in 2010. In addition, this project earned the prestigious distinction of National Finalist in the American Council of Engineering Companies 2010 Engineering Excellence Awards competition. The project was also awarded the Gold Award in the Landfill Gas Utilization category from SWANA.
- CDM Smith provided all architectural design features associated with the interiors of the Platinum LEED®-certified administration building and visitor center, the maintenance/warehouse building, and the ash handling building for the Solid Waste Authority of Palm Beach County Design-Build Operation of the **Mass Burn Waste-to-Energy Facility**

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A. CONTRACT INFORMATION						
1. TITLE AND LOCATION (City and State)						
Owners' Representative for Fire Station 113 and Various City Projects, Delray Beach, FL						
2. PUBLIC NOTICE DATE			3. SOLICITATION OR PROJECT NUMBER:			
January 11, 2018			2019-007			
B. ARCHITECT-ENGINEER POINT OF CONTACT						
4. NAME AND TITLE						
Suzanne E. Mechler, PE, BCEE; Associate						
5. NAME OF FIRM						
CDM Smith Inc.						
6. TELEPHONE NUMBER		7. FAX NUMBER		8. E-MAIL ADDRESS		
561.571.3800		561.241.7084		mechlerse@cdmsmith.com		
C. PROPOSED TEAM (Complete this section for the prime contractor and all key subcontractors.)						
	PRIME	J-V PARTNER	SUBCONTRACTOR	9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
a.	<input checked="" type="checkbox"/>			CDM Smith – Boca Raton, FL <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	621 N.W. 53 rd Street, Suite 265 Boca Raton, FL 33487	Prime
b.	<input checked="" type="checkbox"/>			CDM Smith – Miami, FL <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	800 Brickell Avenue, Suite 500, Miami, FL 33131	Engineering Support
c.	<input checked="" type="checkbox"/>			CDM Smith – Maitland, FL <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	101 Southhall Lane, Suite 200 Maitland, FL 32751	Engineering Support
d.	<input checked="" type="checkbox"/>			CDM Smith – Sarasota, FL <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	5965 Cattlemen Lane Sarasota, FL 34232	Engineering Support
e.	<input checked="" type="checkbox"/>			CDM Smith – Fort Myers, FL <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	4210 Metro Parkway, Suite 230 Fort Myers, FL 33916	Engineering Support
f.	<input checked="" type="checkbox"/>			CDM Smith – Atlanta, GA <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	8381 Dix Ellis Trail, Suite 400 Jacksonville, FL 32256	Engineering Support
g.			<input checked="" type="checkbox"/>	The Merchant Strategy, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	1804 N. Dixie Highway B West Palm Beach, FL 33407	Public Information Officer
h.			<input checked="" type="checkbox"/>	Engenuity Group, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	1280 N. Congress Avenue, Suite 101 West Palm Beach, FL 33409	Survey



12. NAME		13. ROLE IN THIS CONTRACT		14. TOTAL YEARS EXPERIENCE	
Suzanne E. Mechler, PE, BCEE		Principal-in-Charge		a. TOTAL	18
				b. WITH CURRENT FIRM	17
15. FIRM NAME AND LOCATION (City and State)					
CDM Smith – Boca Raton, FL					
16. EDUCATION (degree and specialization)				17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)	
ME – Environmental Engineering; BS – Environmental Engineering				Professional Engineer (FL)	
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
Board Certified Environmental Engineer (BCEE)					
19. RELEVANT PROJECTS					
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
a.	City-Wide Program Management Services, City of Delray Beach, FL, Ongoing, Principal-in-Charge. The City of Delray Beach has retained CDM Smith to provide program and project management consulting services to act as an extension of City staff with the primary role of assisting with special projects and managing and administering multiple capital improvement projects (CIPs) on an as-needed basis. Ms. Mechler is serving as principal-in-charge for this project. As part of this contract, CDM Smith delivered the design criteria package for Fire Station 113.				
b.	City-Wide Program Management Consulting Services, City of West Palm Beach, FL, Ongoing, Principal-in-Charge. The City of West Palm Beach retained CDM Smith to provide program management services and act as an extension of City staff to support the administration of multiple capital improvement plans. Ms. Mechler is working with the City of West Palm Beach to assist staff in executing their upcoming \$60M bond program. As part of this effort, she worked with the City to conduct an initial assessment of their reporting and project control tools, update the utility policy manual, support capital improvement project prioritization efforts, and develop schedules and reporting tools for over 40 projects.				
c.	Disaster Recovery Service Design-Build (DB) Contract, Palm Beach County, FL, 2018, Principal-in-Charge. Ms. Mechler was the principal-in-charge for this emergency, on call, disaster recovery contract for the Palm Beach County Water Utilities Department. The contract requires the design and/or construction services of CDM Smith in the event of a declared emergency by Palm Beach County. As part of this contract, CDM Smith conducted over \$4M in hurricane hardening of the various County facilities in order to increase the survivability of these facilities during a major hurricane event.				
d.	Ion Exchange Resin Plant and East WTP Improvements Progressive DB, City of Boynton Beach, FL, 2017, Principal-in-Charge. Ms. Mechler served as the principal-in-charge for the \$30.8M design-build of new ion exchange resin facility and upgrading/capacity expansion of the existing lime softening, filtration, and residuals handling systems at the East WTP to a capacity of 24 mgd. Ms. Mechler oversaw the ISI Envision certification process. Additionally, this project incorporates replacement of the existing high services pumps and new re-pump station located on-site with a 3.0-MG ground storage tank, she served as design project manager during the first phase of the project.				
e.	Central Monitoring Facility, Palm Beach County, FL, 2013, Project Manager. Ms. Mechler was the project manager for design and construction services for this secure facility with communications and computer system capabilities that will be accessible to the county staff prior to, during, and after a storm/disaster event. This 2,900-ft ² facility is an extension of their central regional operations center. The construction cost of the facility was \$2M.				
f.	Membrane Conversion for Water Treatment Facility Seacoast Utility Authority (SUA), Palm Beach Gardens, FL, Ongoing, Assistant Project Manager/Project Manager. SUA concluded that it was necessary to secure future raw water supply sources, potable water treatment facilities, finished water distribution, and concentrate disposal capabilities to meet the growing potable water needs of the SUA's service area. CDM Smith designed a new 30.5-mgd finished water capacity membrane facility using both nanofiltration and low-pressure reverse osmosis. The construction cost for the project is approximately \$60M. Ms. Mechler served as the assistant project manager and project engineer for the design portion of this project and is currently serving as the project manager for the construction portion of this project.				

Resumes of Key Personnel Proposed for this Contract

PART I – CONTRACT-SPECIFIC QUALIFICATIONS

12. NAME		13. ROLE IN THIS CONTRACT		14. TOTAL YEARS EXPERIENCE	
John S. Chandler		Consultant Project Administrator/ Project Manager		a. TOTAL 37	b. WITH CURRENT FIRM 11
15. FIRM NAME AND LOCATION (City and State)					
CDM Smith – Atlanta, GA					
16. EDUCATION (degree and specialization)				17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)	
BS – Mathematics					
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
19. RELEVANT PROJECTS					
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
a.	Design-Build Criteria Professional Services for Fire Station No. 113, Delray Beach, FL, 2018, Construction Manager. CDM Smith prepared the Design Criteria Package (DCP) to include a detailed scope, establish the design criteria, performance requirements, and bid and contract parameters for the Project. The DCP included details for a new, 28,300 square foot facility to replace the existing 6,000 square foot facility. Mr. Chandler served as construction manager for this project.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
b.	Central Monitoring Facility, Palm Beach County, FL, Ongoing, Constructability Reviews. CDM Smith provided design and construction services for this secure facility with communications and computer system capabilities that will be accessible to the county staff prior to, during, and after a storm/disaster event. This 2,900-ft ² facility is an extension of their central regional operations center. The construction cost of the facility was \$2M. Mr. Chandler provided constructability reviews for this project.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
c.	Ion Exchange Resin Plant and East WTP Improvements Progressive Design-Build, City of Boynton Beach, FL, 2017, Constructability Reviews. The City of Boynton Beach authorized CDM Smith to proceed with the progressive design-build of the East WTP Ion Exchange and Upgrades Project, which included completion of design, procurement of services and equipment, and construction services resulting in a turn-key facility. The plant now processes 24 mgd and is equipped with a state-of-the-art MIEX [®] pretreatment system. Other improvements include filter valve replacements; modifications to the disinfection system; replacement of the existing high service pumps; and a new 3.0-MG finished water storage tank. Mr. Chandler provided constructability reviews for this project. <i>The project achieved a Bronze Envision Certification from the Institute of Sustainable Infrastructure.</i>				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
d.	City-wide Program Management Services, City of Delray Beach, FL, Ongoing, Construction Management. The City of Delray Beach has retained CDM Smith to provide program and project management consulting services to act as an extension of City staff with the primary role of assisting with special projects and managing and administering multiple capital improvement projects (CIPs) on an as-needed basis. Ms. Mechler is providing construction management for projects under this contact.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
e.	Nanofiltration WTP Addition, City of Dania Beach, FL, 2012, Design-Build Coordinator. For this design-build project, Mr. Chandler provided coordination between the designer and builder to expedite construction of the new 2.0 mgd nanofiltration water treatment facility, which included a new LEED [®] certified membrane building and control room, new odor control and chemical feed systems, new transfer pumps, and associated electrical, instrumentation and site work, as well as the integration of the existing lime softening treatment plant, high service pump station, and finished water storage facilities into the new plant controls and power systems.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
f.	Roadway Resurfacing and Striping, City of Coral Springs, FL, Ongoing, Construction Manager. Mr. Chandler provides construction management services for the City of Coral Springs, and coordinates Construction Engineering Inspectors (CEI) for the City's annual program of milling, paving, and striping existing City streets.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
g.	Biscayne Pointe Neighborhood Improvements, City of Miami Beach, FL, 2013, Construction Manager. For the Biscayne Pointe Neighborhood Improvements design-build project, Mr. Chandler provided construction management services for water, stormwater, landscaping, irrigation, paving and hardscape improvements.				

12. NAME		13. ROLE IN THIS CONTRACT		14. TOTAL YEARS EXPERIENCE	
Gerald Soto Fernandez		Assistant Consultant Project Administrator		a. TOTAL	15
				b. WITH CURRENT FIRM	8
15. FIRM NAME AND LOCATION (City and State)					
CDM Smith – Boca Raton, FL					
16. EDUCATION (degree and specialization)			17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)		
ME – Construction Engineering and Management; BS – Civil Engineering					
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
OSHA 10 hour; Member of the Construction Management Association of America; Member of the American Society of Civil Engineers					
19. RELEVANT PROJECTS					
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
a.	North Regional WWTP Electrical Load Center and Motor Control Center (MCC) Rehabilitation Project, Broward County, FL, 2017, Construction Coordinator. CDM Smith provided design and services during construction for replacement of Load Centers 5 and 6 and MCCs F1 and F2 in the thickening building, MCC 1 in the electrical building, and conduit and wiring throughout both buildings. Mr. Soto provided construction management services for this \$4.7M project. His responsibilities include: managing the construction contract, overseeing Resident Project Representatives (RPR), provide support during Construction permitting activities, coordinating design modifications, reviewing project's schedules, coordinating and facilitating Request for Information (RFI) responses and shop drawing reviews, reviewing and recommending monthly payment applications, conduct monthly progress meetings, reviewing construction claims and providing recommendations to the Owner, preparing requests for proposals (RFP), evaluating proposals and preparing Change Order documentation.				
b.	Glades Road WTP Residuals System and Ancillary Improvements Project, City of Boca Raton, FL, 2018, Senior Construction Coordinator. CDM Smith directed the \$60M Capital Improvements Program (CIP) for the 40-mgd membrane softening (nanofiltration) plant at the Glades Road WTP. This program included extensive membrane pilot testing, wellfield evaluation and rehabilitation along with final plans and specifications for the plant design. Mr. Soto served as senior construction coordinator for this project.				
c.	Membrane Treatment Conversion Project and Raw Water Repump Facilities Modification Project for Seacoast Utility Authority (SUA), Palm Beach County, FL, 2018, Senior Construction Coordinator. SUA concluded that it was necessary to secure future raw water supply sources, potable water treatment facilities, finished water distribution, and concentrate disposal capabilities to meet the growing potable water needs of the SUA's service area. SUA contracted CDM Smith for the design of a new 30.5-mgd finished water capacity membrane facility using both nanofiltration and low-pressure reverse osmosis. The construction cost for the project is approximately \$60M. Mr. Soto served as the senior construction coordinator.				
d.	CIP – West Region, Puerto Rico Aqueduct and Sewer Authority (PRASA), PR, 2015, Senior Project Scheduler. Mr. Soto worked as the scheduler for PRASA's CIP at the West Region. His responsibilities included reviewing and recommending for approval construction project's baseline schedules, reviewing contractor's monthly schedule updates and preparing reports including tables, layouts and filters to show schedule changes, monthly progress, critical activities, and delays and recommendations to improve overall project's schedule performance. In addition, he developed schedule scenarios to help the construction manager in the decision making and change order negotiation process, review contractor's time extension claims, prepare time extension claim analysis reports with recommendations and actively participated in time extension claims negotiation meetings with contractors.				
e.	CIP – East and South Regions, PRASA, PR, 2015, Senior Construction Representative. Mr. Soto successfully managed construction projects as part of PRASA's CIP for the East and South Regions. Mr. Soto was responsible of managing construction teams including: clients, designers, inspection firms and contractors among other consultants. In addition, he was responsible of managing the construction contracts to ensure completion within budget and schedule, supervised project's resident inspector, managed Designer's support during construction to ensure timely review of submittals and RFIs, assured that the construction work was performed in accordance with plans and specifications, evaluated and negotiated Contractor's claims, prepared cost estimates, prepared and submit change orders documentation to the Owner, reviewed and recommended applications for payment, served as the liaison between the Contractor and the Owner to coordinate construction activities, facilitated and solved construction problems encountered, coordinated and participated of partial and final construction walk downs and recommend project's Substantial Completion, monitored monthly progress, and prepared monthly reports and actively participated in weekly construction meetings.				

Resumes of Key Personnel Proposed for this Contract

PART I – CONTRACT-SPECIFIC QUALIFICATIONS

12. NAME		13. ROLE IN THIS CONTRACT		14. TOTAL YEARS EXPERIENCE	
Daniel R. Maher, PE		Consultant Senior Project Engineer		a. TOTAL	20
				b. WITH CURRENT FIRM	11
15. FIRM NAME AND LOCATION (City and State)					
CDM Smith – Miami, FL					
16. EDUCATION (degree and specialization)			17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)		
BS – Civil Engineering			Professional Engineer (FL)		
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
40-hour OSHA Personnel Protection and Safety Course; 8-hour OSHA Refresher Training; 10-hour OSHA Safety Supervisor; Member, American Society of Civil Engineers					
19. RELEVANT PROJECTS					
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
a.	Design-Build Criteria Professional Services for Fire-Rescue Station No. 113, City of Delray Beach, FL, 2018, Project Manager. CDM Smith prepared the Design Criteria Package (DCP) for the Fire-Rescue Station No. 113 and emergency operations center, including design criteria and performance requirements. Mr. Maher served as the design criteria professional and project manager for the project.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
b.	South Miami Heights (SMH) WTP, Design-Build Operate Finance and Maintain (DBFOM), Miami-Dade Water and Sewer Department (WASD), Miami-Dade County, FL, 2018, Project Manager. CDM Smith's scope of services included providing professional engineering services for development of a design-build criteria package that will serve as the basis for preparing the final design for a new raw water supply and membrane water treatment facility with an initial capacity of 20 mgd, and preparation of procurement documents for a design-build alternative delivery, including operation and financing, for Miami-Dade County. The program includes Upper Floridan aquifer and Biscayne aquifer wellfields, deep injection well system for concentrate disposal and the membrane treatment process. Mr. Maher was responsible for overseeing the preparation of design criteria documents, probable construction cost estimates, request for qualifications and request for proposals procurement documents. Mr. Maher was responsible for preparing monthly invoices, status reports, and schedule updates, conducting project coordination meetings, as well as day-to-day project management activities.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
c.	SMH WTP Injection Well System and Upper Floridan Aquifer (UFA) Test Production Well Program, Contract W-930, WASD, Miami-Dade County, FL, 2018, Project Manager. CDM Smith's scope of services included providing professional engineering services for the design, permitting and implementation of a hydrogeologic test plan in preparation for the proposed ultra-low pressure reverse osmosis WTP and UFA wellfield for Miami-Dade County. The test plan program includes the installation and testing of three UFA test production wells and a new Class V injection well to the Boulder Zone. Mr. Maher's duties for this project include overseeing the preparation of the hydrogeologic test plan, drawing and specifications development, and preparation of permit documents and guiding the project through the Florida Department of Environmental Protection (FDEP) permitting process. Mr. Maher managed the construction phase services for installation of the wells, completion of aquifer performance testing and development of hydrogeologic test report, including owner representative and full-time resident project representative services.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
d.	Alexander Orr Jr. WTP Distribution System, Preparation of Design-Build Criteria Documents for 48-Inch Diameter Water Transmission Main for Area N, Miami-Dade County, FL, Ongoing, Project Manager. CDM Smith's scope of services includes providing professional engineering services to fully develop a Request for Design-Build Services package, including preparation of design criteria, procurement support for solicitation of design-build services and construction phase services for approximately 6.7 miles of 48-inch diameter water transmission main in Miami-Dade County. Mr. Maher is managing the design.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
e.	Preparation of Design-Build Criteria Documents for 54-inch Diameter Water Transmission Main, WASD, Miami-Dade County, FL, Ongoing, Project Manager. CDM Smith's scope of services includes providing professional engineering services to fully develop a Request for Design-Build Services (RDBS) package, including procurement support for solicitation of design-build services for approximately 4.0 miles of 54-inch diameter water transmission main in Miami-Dade County. Mr. Maher was responsible for preparing monthly invoices, status reports, and schedule updates, conducting project coordination meetings, as well as day-to-day project management activities.				

12. NAME	13. ROLE IN THIS CONTRACT	14. TOTAL YEARS EXPERIENCE			
Yanice I. Mercado, PE	Assistant Consultant Senior Project Engineer	a. TOTAL	17	b. WITH CURRENT FIRM	16
15. FIRM NAME AND LOCATION (City and State)					
CDM Smith - Boca Raton, FL					
16. EDUCATION (degree and specialization)			17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)		
ME – Environmental Engineering; BS – Chemical Engineering			Professional Engineer (FL, PR)		
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
19. RELEVANT PROJECTS					
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
a.	City-Wide Program Management Services, City of Delray Beach, FL, Ongoing, Engineering Management. The City of Delray Beach has retained CDM Smith to provide program and project management consulting services to act as an extension of City staff with the primary role of assisting with special projects and managing and administering multiple capital improvement projects (CIPs) on an as-needed basis. Ms. Mechler is providing engineering management services for projects under this contract.				
b.	Program Management Consulting Services, City of West Palm Beach, FL, 2016, Senior Project Manager. Ms. Mercado served as senior project manager and provided services as an extension of City of West Palm Beach's Public Utilities staff. Ms. Mercado supported the management and administration of multiple existing capital improvement projects (CIPs). Overall responsibilities included preparation of scope of services, negotiating fees, schedules, and deliverables in order to contract design services, administering design contracts and tracking project expenditures, overseeing and coordinating design consultant activities, conducting and attending project meetings, reviewing invoices, and recommending progress payments. Ms. Mercado actively participated and supported initiatives related to project scheduling and progress reporting. Ms. Mercado provided assistance in the development of a CIP prioritization process for the City. Additionally, Ms. Mercado was actively involved in the construction management for the City's 48-inch force main renewal project, the development of the project's emergency response procedures and the public outreach initiatives before and during construction.				
c.	Technology Integration Program, Puerto Rico Aqueduct and Sewer Authority (PRASA), PR, 2015, Project Manager. Ms. Mercado managed the Technology Integration Program for PRASA. This multi-phase program was designed to gear PRASA toward a higher level of success in the use of technology and becoming a modern utility that leverages its investments in technology. With this Program, PRASA was able to develop and implement a geographic information system (GIS) enterprise database and a custom Web-based portal named AquaWeb. This user friendly portal has over 500 registered PRASA users and it integrates the enterprise GIS database with layers of information, real-time telemetry data and document management to provide a strong business intelligence tool for the Agency. As project manager, Ms. Mercado ensured that all seven project phases were delivered on schedule and within budget. Her responsibilities included developing, negotiating, and managing the scope of work, schedule, and budget; coordinating and managing subcontracted work; reviewing and approving invoices; conducting application testing; ensuring CDM Smith's quality standards were applied to all deliverables; conducting progress meetings; and providing project training, education, and outreach for internal PRASA application users.				
d.	CIP, PRASA, PR, 2014, Project Manager. Ms. Mercado served as project manager and was part of the core team that provided program management consulting services under a \$2.4B CIP for PRASA. From its inception, Ms. Mercado provided services as an extension of PRASA Infrastructure staff, ranging from CIP evaluation, overall project management (scope, schedule, budget), project planning, design management, consultant and subcontractor management, permitting and environmental services coordination, land acquisition and bidding/procurement support, among other responsibilities. Under this Program, tight project controls were implemented which included strict metrics and progress reporting requirements throughout the life of each project.				
e.	Organizational Track, PRASA Automation Project, PR, 2013, Project Manager. Ms. Mercado managed the organizational track as part of PRASA's Automation project for water filtration plants. The automation program was designed to implement new technology in order to obtain better monitoring and control of PRASA's water filtration plants. This project also required an organizational change management approach as PRASA employees were adapting to changes in technology and overall organizational changes. Ms. Mercado led the organizational track and was tasked with developing and implementing a change management approach throughout the various regions which composed of sub-phases such as regional implementation and training.				

Resumes of Key Personnel Proposed for this Contract

PART I – CONTRACT-SPECIFIC QUALIFICATIONS

12. NAME		13. ROLE IN THIS CONTRACT		14. TOTAL YEARS EXPERIENCE	
Ed Morales, RA, LEED® AP		Senior Project Architect		a. TOTAL	21
				b. WITH CURRENT FIRM	3
15. FIRM NAME AND LOCATION (City and State)					
CDM Smith - Maitland, FL					
16. EDUCATION (degree and specialization)				17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)	
MS – Civil Engineering; MA – Architecture; BS – Architectural Studies				Registered Architect (FL, IL, NY)	
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
Leadership in Energy and Environmental Design® Accredited Professional; Member, American Institute of Architects					
19. RELEVANT PROJECTS					
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
a.	US Air Force, F-15 Modernization Program, King Faisal Air Base, Tabuk, Kingdom of Saudi Arabia, Ongoing, Architect. Mr. Morales served as the project team architect for the design-build of a new \$100M F-15 Fleet Modernization Program. The project consists of nine new construction facilities, four existing facility modifications, and numerous site and infrastructure improvements to support a new F-15 squadron as part of a joint effort by the US Air Force and the Royal Saudi Air Force. The new construction facilities total over 150,000-ft² and include a squadron operations facility, full mission trainer facility, wheel and tire shop, corrosion control facility, fuel system maintenance hangar, weapons release/gun system shop, avionics/pod facility, aerospace ground equipment maintenance facility, and domestic water utility and fire protection systems building.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
b.	Al Bashir Hospital Emergency Department, Amman, Jordan, 2016, Design Review Team Architect/Technical Manager. Mr. Morales provided design review services for a new 100,000-ft² emergency department at the Al Bashir Hospital campus in Amman, Jordan on behalf of the United States Agency for International Development (USAID). The new emergency department anticipates serving over 50,000 patients per month, as the primary Public Hospital in Jordan, serving vulnerable populations including the expanding influx of refugees from regional conflicts. The project featured a complete review of the Designer of Record, Dar Al Omran's, completed design, including site selection and design, patient loading, space programming, functional relationships, patient and staff flow and circulation, building engineering systems, specifications, and medical planning. Several trips to Jordan were made by the project team to visit the existing emergency department, meet with the project stakeholders and design team, and collaborate on improvements to the design based on the review comments. The design review process led by CDM Smith resulted in the development of a new, improved conceptual design for further refinement by the designer.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
c.	Western Cary Elevated Storage Tank and Booster Pump Station, Town of Cary, NC, 2016, Lead Architect. Mr. Morales served as the lead architect for the design of a new precast building booster pump station for the Town of Cary. The high visibility of the site required the design to meet a higher standard of appearance than a typical building of its type. The design of the precast building included faux brick veneer, columns, and other design elements to meet the strict requirements of the Town's Community Appearance Manual.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input type="checkbox"/> PERFORMED WITH CDM SMITH
d.	Melbourne Replacement Facility, Florida Department of Health, Brevard County Health Department, Melbourne, FL, 2015, Lead Architect. Mr. Morales served as the lead architect, full-service design team leader, project manager, and client champion for the design of a new, 13,000-ft² health facility in Melbourne for the Florida Department of Health. The project was designed to be constructed in two phases due to budget allocation, timing, and two separate funding sources. Mr. Morales assisted the health department with programming and planning for the facility, meeting their needs within a very tight budget. Phase I included the entire 13,000-ft² building shell and a 5,000-ft² interior build-out. Phase II completed the interior build-out and included a 1,200-ft² dental clinic. This project was completed while with a previous employer.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input type="checkbox"/> PERFORMED WITH CDM SMITH
e.	Renewable Energy Center, Eastern Illinois University, Charleston, IL, 2012, LEED Administrator. Mr. Morales' responsibilities included coordinating the LEED aspects of the project with the owner, design team, construction manager, and contractors throughout implementation, assigning LEED credit responsibilities to the appropriate project team members. He also worked closely with the design team to specify the requirements needed to achieve LEED Silver certification. He suggested credits that could add to the project's LEED point total without greatly impacting the budget, enabling the project to achieve LEED Platinum certification. This project was completed while with a previous employer.				

12. NAME		13. ROLE IN THIS CONTRACT		14. TOTAL YEARS EXPERIENCE	
Adrian Streng		Engineering Discipline Support		a. TOTAL	23
				b. WITH CURRENT FIRM	5
15. FIRM NAME AND LOCATION (City and State)					
CDM Smith – Boca Raton, FL					
16. EDUCATION (degree and specialization)				17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)	
BS – Electrical Engineering Technology					
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
Allen Bradley Panel View and Panel Builder32 Application Software; Allen Bradley FactoryTalk View SE Programming; Allen Bradley FactoryTalk RSLogix5000 Project Develop Programming; Siemens Simatic S7 Advanced Programming and Maintenance; Siemens Simatic WinCC SCADA Programming					
19. RELEVANT PROJECTS					
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
a.	Pump Station 692 Improvements, Miami-Dade Water and Sewer Department (WASD), Miami-Dade County, FL, 2018, Lead I&C Design Engineer. This project consists of design services for rehabilitation and replacement of the existing Pump Station 692. The improvements adhere to applicable codes and regulatory requirements and incorporate Miami-Dade standard specifications and details for design and construction. Design of the pumps station consists of improvement of the control system for the wet well pumps and booster pump station including design of the additional instrumentation and replacement of the existing ones to increase the complexity of the operation. Mr. Streng's responsibilities included the designing of SCADA system architecture, developing specifications, coordinating with process, electrical, HVAC, architecture, and mechanical disciplines to identify and resolve major design issues, developing P&IDs, and overseeing other CDM Smith automation staff involved in this project.				
b.	Water Treatment and Raw Water Production Systems Continuing Contract, Broward County, FL, Ongoing, I&C Engineer. For more than 14 years, CDM Smith has been providing water treatment and raw water production system services on a continuing basis for Broward County's water treatment system. Recent WTP projects under this contract include: \$1.75M WTP 1A Electrical Switchgear #2 Replacement; \$4M WTP 1A Pumping System and 4-Log Upgrade; \$2.8M WTP 3A New Boost Pumping Station. Mr. Streng is serving as the I&C engineer for recent projects under this continuing contract.				
c.	MPS No. 450 and No. 456 Improvements, Broward County, FL, 2018, Automation Engineer. CDM Smith was retained by Broward County to provide professional engineering services, including construction administration services during construction, for rehabilitation and upgrades of wastewater MPS No. 450 and No. 456, a septage receiving facility pump station, and related metering and telemetry systems. Work involves architectural, structural, electrical, mechanical, instrumentation, and HVAC repairs and/or upgrades. Mr. Streng is responsible for automation design for the pump stations on this project.				
d.	Renewable Energy Facility No. 2, Solid Waste Authority of Palm Beach County (Authority), Palm Beach County, FL, 2014, I&C Engineer. Mr. Streng provided I&C design services for four new buildings on site for this design-build project.				
e.	Osage Water Treatment Plant SCADA Upgrade, City of Amarillo, TX, 2017, Automation Engineer. The Osage WTP SCADA system consisted of three independent traditional monitoring and control system applications, two FTView, and one Proficy iFix, that communicate to plant equipment and 100+ remote well sites. CDM Smith was contracted to design a new HMI architecture and provide programming efforts to merge the three system applications into a new single FTView SE application. Mr. Streng lead the HMI programming efforts, created HMI standards, and developed the tag naming convention.				
f.	Midland Water Production and Purification Facility, City of Midland, TX, 2014, Automation Engineer. This project consists of application engineering services for iFix SCADA upgrade. The developing and initial testing was performing in CDM Smith Dallas office. During commissioning Midland WPP Process Control System (PCS) was fully operational. Mr. Streng was involved in every aspect of this project (scheduling, coordinating, developing, commissioning and overseeing other CDM Smith staff involved in the project).				
g.	Midland MBR Reclaimed Water Production Facility, City of Midland, TX, 2014, Automation Engineer. The City of Midland (City) currently provides potable water to Midland College for irrigation purposes. Due to recent extreme drought conditions stressing local potable water sources the City of Midland proposed the provision of facilities for reclaimed water. Mr. Streng was responsible for developing of the process control system (PLC's and SCADA) and commissioning of the control system to accommodate proper functionality of the installation.				

12. NAME		13. ROLE IN THIS CONTRACT		14. TOTAL YEARS EXPERIENCE	
Emilio H. Gacharich, PE		Engineering Discipline Support		a. TOTAL	22
				b. WITH CURRENT FIRM	22
15. FIRM NAME AND LOCATION (City and State)					
CDM Smith – Boca Raton, FL					
16. EDUCATION (degree and specialization)				17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)	
BS – Electrical Engineering				Professional Engineer (FL, AL, KY)	
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
Member, Institute of Electronic and Electrical Engineers (IEEE)					
19. RELEVANT PROJECTS					
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
a.	Progressive Design-Build for Ion Exchange Resin Plant and East WTP Improvements, City of Boynton Beach, FL, 2017, Electrical Engineer. The City of Boynton Beach authorized CDM Smith to proceed with the progressive design-build of the East WTP Ion Exchange and Upgrades Project, which included completion of design, procurement of services and equipment, and construction services resulting in a turn-key facility. The plant now processes 24 mgd and is equipped with a state-of-the-art MIEX® pretreatment system. Other improvements include filter valve replacements; modifications to the disinfection system; replacement of the existing high service pumps; and a new 3.0-MG finished water storage tank. <i>The project achieved a Bronze Envision Certification from the Institute of Sustainable Infrastructure.</i> Mr. Gacharich served as electrical engineer for this project.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
b.	South Miami Heights WTP, Miami-Dade Water and Sewer Department (WASD), Miami-Dade County, FL, 2004, Electrical Engineer. Mr. Gacharich provided electrical design, including medium voltage distribution design, low voltage distribution design, emergency systems design, lighting, specification coordination, and preliminary power system studies for the new membrane plant. The electrical system included a main 4,160-V, 2,000-amp switchgear lineup feeding multiple unit substations and motor control centers (MCC) throughout the plant, with three 2,000-KVA diesel engine emergency backup generators.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
c.	Bus Transit Facility, City of Key West, FL, 2016, Electrical Engineer. Mr. Gacharich served as the electrical engineer for the Key West Transit Facility. The project included a bus maintenance/administration building, a fuel island and bus wash facility.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
d.	Arbennie Pritchett Water Reclamation Facility (WRF), Okaloosa County, FL, 2007, Electrical Engineer. For this design-build project, Mr. Gacharich provided electrical design, including low voltage distribution design, emergency systems design, lighting, specification coordination, and preliminary power system studies for the new WRF. The electrical system consists of two separate utility company services, each feeding 1,600-amp automatic transfer switches that serve various motor control centers with a 1,000-KW diesel engine generator backup.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
e.	Water Treatment and Raw Water Production Systems Continuing Contract, Broward County, FL, Ongoing, Electrical Engineer. For more than 14 years, CDM Smith has been providing water treatment and raw water production system services on a continuing basis for Broward County's water treatment system. Under our current Water Treatment and Raw Water Production Systems contract with the County, Mr. Gacharich has served as the electrical engineer for several work authorizations, including the County's 3A Booster Pump Station, electrical improvements at WTP 2A, Four-Log Virus Treatment projects at WTP 3A, and various roof replacement projects.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
f.	Glades Road WTP Membrane Softening Process Addition, City of Boca Raton, FL, 2018, Electrical Engineer. CDM Smith was selected to design a 40-mgd nanofiltration process addition to the existing water treatment facility. Our services included master planning, extensive pilot testing, design, permitting, financing assistance, construction management, procurement, and various special studies. Mr. Gacharich provided electrical design services for this WTP design project.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
g.	Master Pump Station Rehabilitation and Improvements Projects, Broward County, FL, 2018, Electrical Engineer. For pump stations 450 and 456, CDM Smith provided final design, permitting, and bid support for major equipment to be replaced, including the pumps, motors, liquid rheostats, valves, controls, seal water system, HVAC equipment, lighting, and SCADA/RTU. The CDM Smith team also performed the upgrade and rehabilitation of MPS 221 and MPS 454 site civil, process pumps, cosmetic architecture/structural, air conditioning, ventilation, backup generator, MCC, and instrumentation.				

12. NAME		13. ROLE IN THIS CONTRACT		14. TOTAL YEARS EXPERIENCE	
Michael T. Alford, AIA, LEED® AP BD+C		Engineering Discipline Support		a. TOTAL	20
				b. WITH CURRENT FIRM	17
15. FIRM NAME AND LOCATION (City and State)					
CDM Smith – Maitland, FL					
16. EDUCATION (degree and specialization)				17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)	
Masters – Architecture; BS – Architectural Studies				Registered Architect (FL, SC, NC, GA, TN, AL, KY, VA, WA)	
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
National Council of Architectural Registration Boards (NCARB); Leadership in Energy and Environmental Design Accredited Professional – Building Design & Construction (LEED® AP BD+C)					
19. RELEVANT PROJECTS					
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
a.	Central Monitoring Facility, Palm Beach County, FL, 2013, Project Architect/Architect-of-Record. Mr. Alford assisted with the preliminary design, final design, permitting, bidding and construction services for the \$3M Central Monitoring Facility (CMF). Mr. Alford collaborated with county staff during preliminary design evaluating three options for the CMF: option 1 – interior renovation of the document storage area on the first floor of the existing Central Regional Operations Center (CROC) Administration and Engineering Building; option 2 – addition to the southeast side of the existing CROC building; and option 3 – a new standalone facility located on the CROC complex site. After evaluating each of the options with the county for construction costs, site modifications, impact to future operations, and impact to current staff, it was decided that option 2 was the most viable option. The CMF is an approximately 3,000 square foot secure command and control facility serving dual functions. The primary function, the communications control area serves as the central command and control center, operating on a 24/7/365 basis to monitor SCADA, security video, and real time data as part of their emergency identification and management protocol. The secondary function, the emergency command center will house critical county staff before, during, and after disaster events.				
b.	Waste-to-Energy Facility, Palm Beach County, FL, 2015, Senior Architect/Architect-of-Record. Mr. Alford was the senior architect and architect-of-record for the design-build of the new 3,000-tpd mass burn waste-to-energy facility for the Solid Waste Authority of Palm Beach County (SWA). Mr. Alford oversaw the architectural enhanced aesthetic development and design development for the entirety of the new facility. This included the Visitor Center, Skybridge, Maintenance/Warehouse Building, Ash Handling Building and the Powerblock Building (tipping floor building, refuse building, boiler building, and air pollution control). The new three-story visitor center includes meeting space, and interactive displays through which the SWA's county-wide, integrated and coordinated set of environmentally responsible and economical solid waste management programs are highlighted, along with the story and process of the mass burn waste-to-energy facility. As part of the experience, visitors will traverse the skybridge to the main control area of the Powerblock Building while observing the main components of the mass burn facility. The Visitor Center was designed to achieve a LEED® Platinum certification including sustainable features such as, photovoltaics, green roofs, recycled and regional materials, rain harvesting, reduced energy consumption, efficient glazing, and ultra-low flow plumbing fixtures.				
c.	Bus Transit Facility, City of Key West, FL, 2016, Project Manager/Architect-of-Record. Mr. Alford was the project manager and architect of record for the \$8M design-build Key West Transit Facility. He managed all aspects of scope, schedule, budget, quality control, and health and safety (during field work) for this multi-discipline design that included a 3.9 acre site, 7,800 sf LEED® Silver certified two-story administration building, 7,500 sf bus maintenance building, a 2,100 sf drive through bus wash building and a diesel fuel island. Under Mr. Alford's direction, the design was completed on an accelerated schedule through use of BIM tools such as Revit, Navisworks and interactive client review workshops. He coordinated design reviews and approvals with project stakeholders such as FDOT, FAA and client design criteria professional. He also oversaw LEED® Silver Certification process.				
d.	LEED® Silver Certified SWA Operations Building, Palm Beach County, FL, 2011, Project Architect. Mr. Alford was the project architect for the SWA Operations Building. This project explored two advanced technologies: LEED® certification and 3D/4D modeling. The client embraced a strong approach to sustainability and environmental preservation and these characteristics are reflected in the LEED® credits. A stringent waste reduction plan was put in place, eliminating excess waste during the construction phase, as well as directing as much waste as possible away from the landfills and into recycling centers or waste-to-energy production facilities. The 6,000-square-foot operations building was designed with the offices, conference rooms, and training center around the perimeter of the building to take advantage of natural light and views, while the showers/lockers/toilet facilities, mechanical, electrical, and storage areas occupy a central core, consolidating piping and ductwork.				

Resumes of Key Personnel Proposed for this Contract

PART I – CONTRACT-SPECIFIC QUALIFICATIONS

12. NAME		13. ROLE IN THIS CONTRACT		14. TOTAL YEARS EXPERIENCE	
David M. Mastran		Full-Time Resident Project Representative (RPR)		a. TOTAL	44
				b. WITH CURRENT FIRM	4
15. FIRM NAME AND LOCATION (City and State)					
CDM Smith – Boca Raton, FL					
16. EDUCATION (degree and specialization)			17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)		
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
19. RELEVANT PROJECTS					
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
a.	L-8 Divide Structure, South Florida Water Management District (SFWMD), FL, 2017, Senior Construction Representative. Mr. Mastran served as the senior project representative for the construction of a new \$4.5M fully-automated, three-gate water control structure designed by SFWMD. He monitored the construction for compliance with the contract documents and assists the engineers with identification and resolution of field issues. In addition, he coordinated and scheduled all laboratory field testing and specialty inspections with the contractor and the owner.				
b.	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input type="checkbox"/> PERFORMED WITH CDM SMITH
	Police Department, City of Riviera Beach, FL, 2013, Owner's Representative. Mr. Mastran acted as owner's representative for the design and construction of a new \$15M police headquarters building. He oversaw the architect and all consultants associated with the project. In addition, he managed the budget, payments, schedules, and all deliverables.				
c.	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input type="checkbox"/> PERFORMED WITH CDM SMITH
	Public Works Department – Fire Station Bond Program, City of Fort Lauderdale, FL, 2009, Senior Project Manager. As part of the \$43M bond program, Mr. Mastran was the senior project manager during construction of the first two fire stations, valued at \$10.5M. When the project was expanded by the City of Fort Lauderdale, he assumed responsibility for program and construction management of the entire bond program. Mr. Mastran also created a "Construction Management Project Manual" for the City's construction department, and assisted City consultants with visual and functional design and construction documents related to fire department facilities.				
d.	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input type="checkbox"/> PERFORMED WITH CDM SMITH
	Palm Beach International Airport, Palm Beach County Department of Airports (DOA), FL, 2001, Owner's Representative. Mr. Mastran served the DOA as an extension of staff, providing program and construction management services for architectural improvement projects covering the design, bid and selection, construction and close-out phases. His responsibilities included assistance and recommendations to the DOA in determining whether projects were proceeding in accordance with contract requirements. Projects included tenant renovation, parking revenue control systems, facilities management systems, hangar facilities, and more.				
e.	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input type="checkbox"/> PERFORMED WITH CDM SMITH
	Fort Lauderdale-Hollywood International Airport, Broward County Aviation Department, Fort Lauderdale, FL, 2006, Airport Expansion Project (AEP) Team Member. Mr. Mastran was the design manager for projects including, the \$450M Terminal 4 redesign; and the \$95M addition to Terminal 1, Concourse A, including a cruise baggage facility, airport master landscape design, airport master signage, and airport master design criteria manual. In addition, he served as project manager for multiple airport construction projects.				
f.	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input type="checkbox"/> PERFORMED WITH CDM SMITH
	Fort Lauderdale-Hollywood International Airport, Broward County Aviation Department, Fort Lauderdale, FL, 2003, Project Manager. Mr. Mastran participated in the architectural, engineering and planning phases and was project manager for the pedestrian bridge project. The project included renovation of existing pedestrian bridges, construction of new pedestrian bridges connecting existing parking garages with Terminals 1, 2, 3 and 4, and coordination of a future automated people-mover system. He was also a member of the design and construction coordination team for the \$210M consolidated rental car facility.				
g.	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input type="checkbox"/> PERFORMED WITH CDM SMITH
	Greater Orlando International Airport, Greater Orlando Aviation Authority (GOAA), FL, 1999, Resident Engineer. Mr. Mastran was the resident engineer and project manager for a \$34M Automated Guideway Transit shuttle system from the landside terminal to the new Airside 2 terminal building. In addition, he was the resident engineer and project manager for the \$1.2M landside terminal expansion.				

12. NAME		13. ROLE IN THIS CONTRACT		14. TOTAL YEARS EXPERIENCE	
Alexander G. Chinnery		Resident Compliance Specialist		a. TOTAL	23
				b. WITH CURRENT FIRM	23
15. FIRM NAME AND LOCATION (City and State)					
CDM Smith – Boca Raton, FL					
16. EDUCATION (degree and specialization)				17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)	
BS – Civil Engineering					
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
19. RELEVANT PROJECTS					
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
a.	Nanofiltration WTP Design-Build, Dania Beach, FL, 2010, Designer/Drafter. Mr. Chinnery provided drafting and design on the general, civil, and mechanical plans. He also worked closely with engineers on the coordination of various permit submittals.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
b.	Master Pump Station (MPS) 456 Construction, Broward County, FL, 2018, Construction Coordinator. Broward County renovated the existing MPS 456, and Mr. Chinnery is the construction coordinator on this project. Mr. Chinnery oversaw some of the construction work on the project. Mr. Chinnery reviewed requests for information (RFIs), pay applications, claims, and shop drawings. He coordinated correspondence between the design engineers, client, and the contractor. He also coordinated monthly progress meetings between the client and contractor.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
c.	MPS 450 Construction, Broward County, FL, 2018, Construction Coordinator. Broward County renovated the existing MPS 450 and As the construction coordinator on this project, Mr. Chinnery oversaw some of the construction work on the project. He reviewed RFI's, pay applications, claims, and shop drawings. He coordinated correspondence between the design engineers, client, and the contractor. He also coordinated monthly progress meetings and conducted coordination of closeout documentation for finalizing the construction project.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
d.	Booster Station 3A Construction, Broward County, FL, 2018, Construction Coordinator. Broward County is constructing a new Booster Station in the linear park of the Fort Lauderdale International Airport. As construction coordinator on this project, Mr. Chinnery oversaw some of the construction work on the project. He reviewed RFI's, pay applications, claims, and shop drawings. He also coordinated correspondence and monthly progress meetings between the design engineers, client, and the contractor.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
e.	Water Supply Wells 28W, 31W and 33W, City of Boca Raton, FL, 2013, Project Engineer. The City installed three new water supply wells (wells 28W, 31W, and 33W) including surface equipment along a right-of-way or easement between Don Estridge High Tech Middle School and the proposed Countess de Hoernle Park. Mr. Chinnery was the resident project representative (RPR) for the installation of Well 31W. He made that the well was adhering to all the Environmental Protection Agency (EPA) regulations and during installation and development while remaining on schedule.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
f.	George T. Lohmeyer (GTL) WWTP Emergency Generator Connection and 4160 Volt Switchgear Upgrades – Generator Building, City of Fort Lauderdale, FL, 2013, Project Engineer. Mr. Chinnery worked on the multi-discipline design for the replacement of medium voltage electrical equipment at the GTL WWTP. Due to the limited space on site, the equipment was replaced in multiple phases in the existing Generator Building. Mr. Chinnery also worked on the specification review.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
g.	Lift Station Inventory and Condition Assessment, City of West Palm Beach, FL, 2018, Project Engineer. The City retained CDM Smith to evaluate the lift stations with a prioritized approach. Mr. Chinnery worked with the team to conduct initial inspection of the lift stations consisting of a visual evaluation of the mechanical, electrical, structural, and operational condition of each station, as well as inventory existing equipment (make/model/serial number), where available. As part of this effort, he worked with the City to compile the individual group summary reports and produce a combined summary report inclusive of all lift stations that will be managed by the City within their asset management system. This report included a photo log of all lift stations inspected and a CD containing all photos.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
h.	Tunnel Dewatering Pump Station – ECF Design-Build Project, District of Columbia Water and Sewer Authority (DC Water), DC, 2014, Project Engineer. Mr. Chinnery has been working on various portions of this projects as a 3D modeler. He also assisted on the design of the grit removal system. This included the layout of the grit removal pump station and layout of the grit classifiers.				

12. NAME		13. ROLE IN THIS CONTRACT		14. TOTAL YEARS EXPERIENCE	
Daniel J. Lauth		Resident Compliance Specialist		a. TOTAL	8
				b. WITH CURRENT FIRM	8
15. FIRM NAME AND LOCATION (City and State)					
CDM Smith – Boca Raton, FL					
16. EDUCATION (degree and specialization)				17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)	
BS – Civil Engineering					
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
OSHA HAZWOPER 40-hour Training; Associate Member, American Society of Civil Engineers					
19. RELEVANT PROJECTS					
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
a.	CEI Services for Utility Expansion Program (UEP) North 2, Cape Coral, FL, Ongoing, Resident Project Representative. CDM Smith is teamed with another consultant on this \$290M comprehensive, residentially intense infrastructure construction project. The project includes new infrastructure including new potable water mains, new gravity wastewater mains, new wastewater force mains, new irrigation mains, new wastewater lift stations, replacement of existing storm drain systems, reconstruction of existing roads, two new master wastewater pump stations, and one new canal pump station. Mr. Lauth serves as resident project representative for this project.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
b.	MPS No. 450 and No. 456 Improvements, Broward County, FL, 2018, Resident Project Representative. CDM Smith was retained by Broward County to provide professional engineering services, including construction administration services during construction, for rehabilitation and upgrades of wastewater MPS No. 450 and No. 456, a septage receiving facility pump station, and related metering and telemetry systems. Work involves architectural, structural, electrical, mechanical, instrumentation, and HVAC repairs and/or upgrades. Mr. Lauth served as resident project representative for this project.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
c.	North Regional WWTP Electrical Load Center 5 and 6 Replacement Design and Services During Construction, Broward County, FL, 2016, Program Manager. The CDM Smith team designed the new electrical load center 5 and 6 replacement which provides electrical power to a portion of the facility. The 95-mgd North Regional WWTP consisting of secondary treatment, on-site biosolids processing, high-level disinfection, tertiary treatment to deep injection wells, and reuse.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input type="checkbox"/> PERFORMED WITH CDM SMITH
d.	US Environmental Protection Agency (EPA) Region VIII, Libby Asbestos Site, Libby, MO, 2017, Field Engineer. Mr. Lauth provided support for an activity based sampling (ABS) event. Mr. Lauth's tasks were to support one half of a field team tasked with various techniques to collect air and soil samples using specific actions over timed sample periods.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
e.	US EPA Region III, Crossley Farms Superfund Site, Hereford Township, PA, 2017, Field Engineer. Mr. Lauth provided technical field oversight support during construction of a discharge gallery which connected the groundwater treatment facility to a supplemental discharge area. During construction, Mr. Lauth was responsible for ensuring work was being completed in accordance with the work plan. The client commented on his professional and thorough completion of this work.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
f.	US EPA Region VIII, Libby Asbestos Site, Libby, MO, 2015, Field Engineer. Mr. Lauth provided support for the general property investigations team. Specifically, Mr. Lauth was tasked with revisiting properties that received a detailed investigation and collecting soil samples within areas with no analytical data. His communication skills with the property owners were noted by the project manager.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
g.	US EPA Region III, Phase III, BoRit Asbestos Superfund Site, Ambler, PA, 2014, Field Team Leader. Mr. Lauth was the field team leader (FTL) during the soil sampling field event. As the FTL, he was responsible for organizing and conducting field planning meetings; scheduling and conducting fieldwork; notifying the EPA CLP Coordinator of scheduled sample shipments and coordinating work activities; obtaining sampling equipment and confirming required sample bottle ware; maintaining proper chain of custody forms and shipping samples to the analytical laboratory during the sampling event (Scribe); ensuring that sampling is conducted in accordance with procedures detailed in the Site Management Plan (SMP) and that the quantity and location of all samples meet the requirements of the SMP; and providing communication between the field team and project manager.				

12. NAME		13. ROLE IN THIS CONTRACT		14. TOTAL YEARS EXPERIENCE	
Kathryn E. (Beth) McArdle		Project Coordinator		a. TOTAL	25
				b. WITH CURRENT FIRM	6
15. FIRM NAME AND LOCATION (City and State)					
CDM Smith – Boca Raton, FL					
16. EDUCATION (degree and specialization)				17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)	
BA – Sociology					
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
Professional Notary – National Notary Association Commission #FF237189, Expires June 2019 ; Member, International Association of Administrative Professionals					
19. RELEVANT PROJECTS					
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
a.	CDM Smith – Southeast Region, Boca Raton, FL, Ongoing, Administrative Assistant. Ms. McArdle provides project support for engineering and marketing staff within CDM Smith's Southeast region of the US. She has setup, reviewed, and edited technical specification reports for public and private clients in South Florida based on in-house document format procedures, guidelines, and requirements. She is also responsible for tracking payment schedules to ensure original schedule completion. She is currently providing submittal tracking for Miami-Dade County projects.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
b.	Design-Build-Operate of a Mass Burn Waste-to-Energy (WTE) Facility, Solid Waste Authority of Palm Beach County (SWA), FL, 2015, Project Coordinator. Ms. McArdle served as construction project administrator for SWA's WTE facility project. She was responsible for tracking subcontractor payroll information for monthly manpower reports and living wage reports. She processed vendor invoices and AIA subcontract pay applications. She also coordinated with vendors regarding pay application procedures and payment schedules being met in a timely manner. Ms. McArdle assisted the safety manager with tracking new employee orientation information as well as maintained files and index of Certificates of Insurance and bond documentation of all subcontractors on site.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input type="checkbox"/> PERFORMED WITH CDM SMITH
c.	Energy Smart Florida Project, Florida Power & Light, Jupiter, FL, 2012, Junior Project Coordinator. Ms. McArdle worked with vendors on the Energy Smart Florida Project to verify contractual agreements. She followed up with outstanding invoices, contract administration, and billing issues as well as processed vendor financial statements and maintained statements using SAP. In addition, she prepared reports to maintain vendor encumbrance balance sheets for project managers.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input type="checkbox"/> PERFORMED WITH CDM SMITH
d.	CERP Program, South Florida Water Management District (SFWMD) – Real Estate Department, West Palm Beach, FL, 2011, Project Coordinator/Administrative Coordinator. Ms. McArdle coordinated land acquisition statistics spreadsheet documentation with project managers. She designed annual project report data information in Microsoft Access database. She purchasing materials and tracked company vehicle usage in SAP Procurement software. She also tracked procurement card billing and purchasing of Survey Department materials. Daily, Ms. McArdle would follow up with and access database entry of purchase contracts and work orders for survey management. In addition, she helped develop and implement website customer service questionnaires.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
e.	MPS No. 450 and No. 456 Improvements, Broward County, FL, 2018, Administrative Coordinator. CDM Smith was retained by Broward County to provide professional engineering services, including construction administration services during construction, for rehabilitation and upgrades of wastewater MPS No. 450 and No. 456, a septage receiving facility pump station, and related metering and telemetry systems. Work involves architectural, structural, electrical, mechanical, instrumentation, and HVAC repairs and/or upgrades.				

Resumes of Key Personnel Proposed for this Contract

PART I – CONTRACT-SPECIFIC QUALIFICATIONS

12. NAME		13. ROLE IN THIS CONTRACT		14. TOTAL YEARS EXPERIENCE	
Anthony J. James		Project Controls		a. TOTAL	12
				b. WITH CURRENT FIRM	10
15. FIRM NAME AND LOCATION (City and State)					
CDM Smith – Maitland, FL					
16. EDUCATION (degree and specialization)				17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)	
MS – Construction Management; BS – Business Management					
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
Planning and Scheduling Professional, AACE International; Internal Auditing Basics 09M Ed., Quality WBT Center for Education					
19. RELEVANT PROJECTS					
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
a.	Design-Build-Operation of a Mass Burn Waste-to-Energy Facility, Solid Waste Authority of Palm Beach County (SWA), FL, 2015, Lead Scheduler. Mr. James served as the lead design scheduler on the \$120M progressive design-build project for Palm Beach County. CDM Smith's scope of work included the design and construction of the on-site roadways, drainage, utilities, landscaping, grading, and fencing. CDM Smith also designed and constructed the tipping floor building, air pollution control (APC) building, ash handling building, LEED® visitors center, and the maintenance building.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
b.	CEI Services for the Bee Ridge Road Expansion, City of Sarasota, FL, 2016, CPM Schedule Reviewer. Mr. James served as the CPM schedule reviewer on the \$22M construction project. The project includes complete reconstruction of the two-lane rural roadway to a four-lane urban roadway project. The project includes relocation of almost \$4M of Florida Power & Light (FPL) distribution lines and Verizon communication lines, the construction of privacy and gravity walls, over 10,000 linear feet (LF) of 16-inch forcemain along with over 40 utility diversions and service connections, construction of 15 low impact development (LID) stormwater treatment areas, over 100 light-emitting diode (LED) lights and extensive irrigation and landscape features. The project also includes one signalized intersection and four new two-lane roundabouts. Unique to this project are the 13 heavily involved homeowners' associations and multiple driveway access points along the route. <i>This project was awarded the Team Project of the Year 2017 for Sarasota County by the Florida Association of County Engineers & Road Superintendents (FACERS).</i>				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
c.	Dania Beach 2.0 mgd Nanofiltration (NF) WTP, City of Dania Beach, FL, 2012, Lead Scheduler. Mr. James served as the lead scheduler on the \$8.9M design-build project for the City of Dania Beach. This project consisted of design and construction of a of LEED® treatment plant that included a 2-mgd nanofiltration process expansion to the City's aging existing 3-mgd conventional lime softening water treatment plant. The 2-mgd NF/reverse osmosis (RO) design-build WTP was completed on a fast-track basis.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
d.	Arbennie Pritchett Water Reclamation Facility (WRF), Okaloosa County, FL, 2009, Lead Scheduler. Mr. James served as the lead scheduler on the \$37.7M progressive design-build project for Okaloosa County. The project consisted of design and construction of the new 10-mgd facility, including a dual-train 10 mgd WRF with headworks, oxidation ditches, clarifiers, ultraviolet disinfection, and an effluent pump station. <i>This project won a DBIA Owner of the Year award.</i>				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
e.	Clean Water Shreveport, City of Shreveport, LA, Ongoing, Program Scheduler. Mr. James currently serves as the program scheduler on the \$700M program for the City of Shreveport. The City of Shreveport has embarked on a significant Capital Improvements Program (CIP) as a result of a Consent Decree (CD) issued by the US Environmental Protection Agency (EPA). The overall program is expected to deliver hundreds of infrastructure projects through 2023, over 50 projects are currently being implemented in Phase 1 alone.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
f.	Engineering and Construction Management Services of Overhead to Underground Conversion of Utilities, Town of Long Boat Key, FL, 2017, Lead Scheduler. Mr. James currently serves as the lead scheduler on the \$55M progressive design-build project for the Town of Longboat Key. The town is converting miles of overhead electric utilities to underground and simultaneously installing a Town-wide fiber and lighting network.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
g.	City-wide Program Management Consulting Services, City of West Palm Beach, FL, 2016, Program Scheduler. Mr. James served as the program scheduler to develop a fully resource loaded integrated master program schedule in P6 for the City's Capital Improvement Program (CIP).				

12. NAME		13. ROLE IN THIS CONTRACT		14. TOTAL YEARS EXPERIENCE	
Craig A. Gadberry, PE		Project Controls		a. TOTAL	25
				b. WITH CURRENT FIRM	16
15. FIRM NAME AND LOCATION (City and State)					
CDM Smith – Maitland, FL					
16. EDUCATION (degree and specialization)				17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)	
BS – Civil Engineering				Professional Engineer (FL)	
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
First Aid and CPR Training; OSHA 10-hour Occupational Safety and Health Training Certification; Primavera Planning and Scheduling; Member, Florida Engineering Society; Member, National Society of Professional Engineers; Member, American Society of Professional Estimators; Member, Association for the Advancement of Cost Engineering International					
19. RELEVANT PROJECTS					
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
a.	Progressive Design-Build for Ion Exchange Resin Plant and East WTP Improvements, City of Boynton Beach, FL, 2017, Chief Estimator. Mr. Gadberry was the chief estimator for the \$30.8M through a progressive design-build method to install an Ion Exchange Resin Plant at the West WTP site for pretreatment of the water supply to the East WTP from the western wellfield while upgrading of the East WTP to a capacity of 24 mgd.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
b.	Design-Build-Operation of a Mass Burn Waste-to-Energy (WTE) Facility, Solid Waste Authority of Palm Beach County (SWA), FL, 2015, Chief Estimator. Mr. Gadberry served as CDM Smith's regional chief estimator for the \$120M portion of the design and construction of the new \$672M, 3,000 tons per day mass burn WTE facility. CDM Smith's scope of work included design and construction of the Tipping Building, Air Pollution Control Building, Ash Management Building, Maintenance Building, Sky Bridge, and a LEED® Platinum Certified Visitor Center. Additional scope includes cladding and roofing of the Refuse Handling Building, Boiler Building, Water Treatment Building, and Turbine Generator Building. The project also included the design and construction of one of the largest rain water harvest systems in the US comprising of a rainwater collection system from seven acres of roof area. The design and construction of onsite roadways, drainage, utilities, water storage tank, landscaping, grading, and fencing was also part of CDM Smith's scope of work.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
c.	South Miami Heights (SMH) Water Treatment Plant Injection Well System and Upper Floridan Aquifer Test Production Well Program, Miami Dade Water and Sewer Department (WASD), Miami-Dade County, FL, 2017, Chief Estimator. CDM Smith provided hydrogeological services and construction oversight (RPR) associated with the construction of three Upper Floridan Aquifer (UFA) test production wells and one continuous core well for the evaluation of potential yield and quality of groundwater from the UFA at the proposed South Miami Heights wellfield. The project also included the construction of a Class V deep exploratory well with an associated dual zone monitoring well, which is intended to be converted to a Class I Industrial injection well for the disposal of reverse osmosis concentrate. Mr. Gadberry served as the chief estimator for the project.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
d.	Water Distribution System Repair Project, Naval Air Station Joint Reserve Base New Orleans, LA, Ongoing, Chief Estimator. Mr. Gadberry is the Chief Estimator for this \$22M lump sum design-build project modifying the existing water distribution and fire protection system for the operational Joint Reserve Naval Base. Project requirements include splitting the existing domestic water system from the non-potable fire protection system, replacing fire suppression pumps with new backup generators, installing roughly 60,000 feet of new potable water and fire suppression piping via horizontal directional drilling and open cut construction, providing automated sodium hypochlorite and ammonia dosing, repairing an existing underground storage tank, erecting a new fire pump house building and providing potable water and recirculation pumping systems to circulate potable water to prevent chlorine degradation. The project features significant design during construction due to a high degree of uncertainty regarding existing utilities and unforeseen conditions. As such, the project has been a marquee example of design-build collaboration, allowing the project team to make cost effective and time saving decisions when encountering unforeseen conditions, all while maintaining base operations.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
e.	Disaster Recovery Services, Palm Beach County Water Utilities Department (PBCWUD), FL, 2011, Chief Estimator. CDM Smith was contracted to perform design-build consulting services for disaster and recovery. PBCWUD recognized the need to prepare facilities to withstand a Category 4 or 5 hurricane event and be able to restore services as soon as possible. CDM Smith's role was to provide design, construction management, and/or construction services for hardening, repair, or replacement of facilities owned, operated, or maintained by PBCWUD. We were authorized by PBCWUD to provide design-build services for the hurricane hardening of their facilities for the Customer Service Building, WTP #9, WTP #2, and Central Regional Operations Center. We performed engineering and construction services for improving the survivability of the buildings during a Category 4 or 5 hurricane. Mr. Gadberry served as chief estimator for this project.				

12. NAME		13. ROLE IN THIS CONTRACT		14. TOTAL YEARS EXPERIENCE	
Dylan DiCarlo		CEI Inspection and QA/QC		a. TOTAL	3
				b. WITH CURRENT FIRM	3
15. FIRM NAME AND LOCATION (City and State)					
CDM Smith – Sarasota, FL					
16. EDUCATION (degree and specialization)				17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)	
BS – Civil Engineering; ME – Sustainable Materials and Construction Engineering					
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
CTQP Asphalt Paving Technician, Level 1; CTQP Earthwork Construction Inspection, Level 1; CTQP Final Estimates, Level 1 & 2; Nuclear Safety Certification; Hazmat & Security Awareness Training; FDOT Intermediate Temporary Traffic Control (TTC); FDEP Qualified Stormwater Management Inspector; FAA Remote Pilot Certificate with Small UAS Rating					
19. RELEVANT PROJECTS					
TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)					<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
a.	Bee Ridge Road Expansion, Mauna Loa Boulevard to Iona Road, Sarasota County, FL, 2016, Inspector. Mr. DiCarlo was an inspector for this \$22M capacity improvement project from Mauna Loa Boulevard (just east of I-75 limited access ROW) 2.5 miles to Iona Boulevard. The project included the construction of four new roundabouts, two of which are conversion from signalized intersection along Bee Ridge Road with complete reconstruction of a two-lane rural roadway to a four-lane urban roadway, from Mauna Loa Boulevard [just east of I-75 FDOT limited access right-of-way] to Iona Road for about 2.5 miles. In addition, the project included relocation of almost \$4M of Florida Power & Light (FPL) distribution lines and Verizon communication lines and the construction of privacy and gravity walls. The project included construction of over \$3M of municipal utilities, including 1,200 lf of HDPE directional drilling of water and wastewater lines ranging from 8 to 18 inches, construction of 15 low impact development (LID) stormwater treatment areas, extension of an existing box culvert with new headwall and railing, and more than 100 light-emitting diode (LED) street lights and \$1M of extensive tree protection, irrigation, and landscape features. Challenges to this project included the 13 heavily involved homeowners' associations and multiple driveway access points along the route. <i>This project was awarded the Team Project of the Year 2017 for Sarasota County by the Florida Association of County Engineers & Road Superintendents (FACERS).</i>				
b.	Gateway Harbor Walk Phase IA, Charlotte County, FL, 2016, Inspector Aide. This project consisted of the construction of a new park facility located along the northeast side of US 41 in Charlotte Harbor. Our staff provided construction oversight for the \$2.3M site improvements encompassing roadway/parking area construction, storm sewer improvements, retaining walls, utilities, lighting, landscaping, and irrigation. Construction funding was provided through the Florida Department of Transportation (FDOT) Local Agency Program (LAP) and the County. Mr. DiCarlo served as an inspector aide for this project. <i>This project was awarded the 2017 Local Agency/ State Agency Collaboration Project of the Year 2017 by the FACERS.</i>				
c.	US 41 10th Street to 14th Street Roundabout, FDOT District 1, FL, Ongoing, Senior Inspector. This project involves construction of roundabouts at 10 th street and 14 th street for access management, as well as to improve mobility and provide more efficient and attractive access to pedestrians, bicyclists, and public transit users. Specifically, the project involves reconstruction of .5 miles of roadway, as well as replacing an existing 4- by 9-foot box culvert under US 41 while maintaining the existing culvert, installation of Hawk pedestrian signals, street lighting, landscaping, and irrigation along with relocation/installation of water, sewer, brine, reclaimed water, and fiber optic cable lines. Mr. DiCarlo is currently serving as senior inspector for this project.				
d.	Overhead to Underground Conversion of Utilities, Town of Longboat Key, FL, 2017, Inspector. CDM Smith is currently providing design-build services for the conversion of the Town's overhead utilities to underground utilities. Mr. DiCarlo assisted with preliminary design and estimating services on \$46M FPL and fiber-optic undergrounding. He was responsible for coordinating preliminary survey and plan verification for all existing and proposed utilities to be relocated underground from overhead. He regularly communicated with individual residents to address concerns with the possible impact of the proposed project to the community. He attended and assisted in meetings with utility owners to aid in the underground relocation progress. He helped direct our inspectors in the field to assure expedient and accurate execution of recording existing overhead utilities and drops to homes and condominium units. Other responsibilities included providing the project manager with technical and project support, assisting with day to day aspects of the project including scheduling, budget concerns, contract submittals, and client inquiries and needs. Mr. DiCarlo was also responsible for aiding the project administrator in creating meeting agendas, recording meeting minutes, monitoring status of tasks and critical path items on the CPM schedule and creating PowerPoint presentations.				

12. NAME	13. ROLE IN THIS CONTRACT	14. TOTAL YEARS EXPERIENCE			
David S. Matos	CEI Inspection and QA/QC	a. TOTAL	23	b. WITH CURRENT FIRM	<1
15. FIRM NAME AND LOCATION (City and State)					
CDM Smith – Fort Myers, FL					
16. EDUCATION (degree and specialization)			17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)		
MS – Water Resources Engineering; BS – Civil Engineering					
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
19. RELEVANT PROJECTS					
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
a.	North 2 Utilities Extension Project (UEP) Contract 7, City of Cape Coral, FL, Ongoing, Construction Representative. CDM Smith is providing engineering services during construction and CEI services for the design to extend water, sewer and irrigation utilities to approximately four square-miles for the City of Cape Coral. As construction representative, Mr. Matos' responsibilities include inspecting construction work to ensure compliance with design documents and contract drawings and specifications. He also records daily construction activities, prepares monthly progress reports, and reviews and approves monthly contractor pay estimates.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input type="checkbox"/> PERFORMED WITH CDM SMITH
b.	Coral Highway (Autopista del Coral) and Punta Cana Touristic Boulevard, Professional Engineering Firm (Tecnoamerica SRL), Dominican Republic, 2014, Project Director. In this position, Mr. Matos was responsible for overseeing the construction of approximate 45 miles of 4-lane divided highways with controlled access, adopting American Association of State Highway and Transportation Officials (AASHTO) and US Department of Transportation (US DOT) Standards Specifications, to service the touristic areas of Punta Cana – Bavaro and La Romana Province in the Dominican Republic. He served as owner's representative and was directly responsible for construction quality assurance/quality control (QA/QC), overseeing compliance with engineering standards and the project specifications, and adherence to the construction contract. He also functioned as a construction engineering inspector, providing daily field inspections and overseeing the construction of embankments, placement of structural concrete for bridges and drainage structures, placing of soils—cement base mats, and laying of the asphalt carpet. In addition, Mr. Matos was responsible for approving contractor invoices and pay requests and evaluating and making recommendations for contractor's change order requests.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input type="checkbox"/> PERFORMED WITH CDM SMITH
c.	Various Projects, City of Sunrise, FL, 2007, Utilities Project Director. As the City's utilities project director, Mr. Matos managed multiple projects simultaneously in various phases of development. He was responsible for professional and administrative supervisory work involving the management of a variety of environmental, hydraulics, architectural, building, and utilities (water and wastewater) studies, design, and construction projects. He monitored the work of engineering and architectural consultants and contractors engaged in the design, construction, and inspection of complex public projects. His duties often included issuing work orders to consultants and contractors; reviewing consultants' and contractors' invoices and pay requests; negotiating construction costs for change orders; and reviewing consultants' plans and specs at various stages for conformance to budget and funding, program and design standards, and completeness and accuracy.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input type="checkbox"/> PERFORMED WITH CDM SMITH
d.	Utilities Project Manager, Various Projects, City of Sunrise, FL, 2003. Mr. Matos was responsible for the coordination and administration of more than 15 design and construction projects for water and wastewater systems and plant facilities part of the Utility Capital Improvement Program (CIP). He inspected the construction work to check for compliance with the design drawings, the specifications, and the contract for construction. He also kept daily construction logs and prepared monthly progress reports for the City and its stakeholders. Mr. Matos managed projects including, but not limited to: new Springtree WTP (12 mgd softening/24 mgd filtration); new Springtree WWTP (9 mgd); aquifer storage recovery (ASR) facility; and two utility operations and maintenance buildings for the Sawgrass and the Springtree sites.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input type="checkbox"/> PERFORMED WITH CDM SMITH
e.	Division Director of Streets and Drainage, Various Projects, City of Sunrise, FL, 1995. Mr. Matos assisted in formulating and supervising implementation of policies and program objectives relative to personnel, budgetary, and related administrative functions as well as supervised planning, design, construction, and operation of various public works projects. He planned, organized, supervised, and reviewed the construction and maintenance of civil works projects such as streets, parking lots, driveways, swales, and stormwater systems and facilities including pump stations.				

Resumes of Key Personnel Proposed for this Contract

PART I – CONTRACT-SPECIFIC QUALIFICATIONS

12. NAME	13. ROLE IN THIS CONTRACT	14. TOTAL YEARS EXPERIENCE			
Robert J. Gilbert, DBIA	Quality Assurance/Quality Control	a. TOTAL	38	b. WITH CURRENT FIRM	7
15. FIRM NAME AND LOCATION (City and State)					
CDM Smith – Maitland, FL					
16. EDUCATION (degree and specialization)			17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)		
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
Design-Build Designated Professional; Licensed General Contractor, New Mexico and Arizona					
19. RELEVANT PROJECTS					
TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)					<input checked="" type="checkbox"/> PERFORMED WITH CDM SMITH
a.	Progressive Design-Build for a Resin Plant and East WTP Improvements, City of Boynton Beach, FL, 2017, Project Principal. Mr. Gilbert is the project principal for the \$30.8M progressive design-build method, to install an Ion Exchange Resin Plant at the West WTP site for pretreatment of the water supply to the East WTP from the western wellfield while upgrading of the WTP from 19.2-mgd to a capacity of 24-mgd. The project scope includes surveying, geotechnical services, preliminary engineering and design, final design, all permitting, equipment procurement, demolition, site restoration, site improvements, and construction of the WTP additions and improvements including but not limited to civil, mechanical, structural, electrical, instrumentation and control (I&C), telemetry disciplines, quality control, safety, start-up, performance testing, operator training, operations and maintenance (O&M) manuals, and record drawings.				
b.	Mass Burn Waste-to-Energy (WTE) Facility Design-Build-Operation (DBO), Solid Waste Authority of Palm Beach County (SWA), FL, 2015, Project Executive. Mr. Gilbert served as the team senior project manager for the design and construction of the CDM Smith \$120M portion of the \$672M, new 3,000-tpd mass burn WTE facility's on-site roadways, drainage, utilities, landscaping, grading, and fencing. Work also included design and construction of the tipping floor building, as well as the building for air pollution control, ash handling, maintenance/warehouse, and all services and utilities therein. Additionally, the siding and roofing on the refuse pit, boiler water treatment, and turbine generator buildings. The scope items included the design and construction of a Platinum LEED®-certified administration/visitors center; oversight of subcontractors conducting geotechnical investigations, topographic surveys, and tree surveys; and preparing final dewatering modeling and engineering of the recharge trenches for the installation foundations and facilities below the groundwater table. He oversaw all aspects of design and worked with the construction management team to complete construction of the facility.				
c.	Water Distribution System Repair Project, Naval Air Station Joint Reserve Base, New Orleans, LA, 2017, Project Principal. Mr. Gilbert is the project principal for this \$22M lump sum design-build water distribution repair project modifying the existing water distribution and fire protection system for the operational Joint Reserve Naval Base. Project requirements include splitting the existing domestic water system from the non-potable fire protection system, replacing fire suppression pumps with new backup generators, installing roughly 60,000 feet of new potable water and fire suppression piping via horizontal directional drilling and open cut construction, providing automated sodium hypochlorite and ammonia dosing, repairing an existing underground storage tank, erecting a new fire pump house building and providing potable water and recirculation pumping systems to circulate potable water to prevent chlorine degradation. The project features significant design during construction due to a high degree of uncertainty regarding existing utilities and unforeseen conditions. As such the project has been a marque example of design-build collaboration, allowing the project team to make cost effective and time saving decisions when encountering unforeseen conditions, all while maintaining base operations.				
d.	Design-Build of a Biosolids to Fertilizer Facility, Anuvia Nutrients, Zellwood, FL, 2016, Project Principal. Mr. Gilbert was the project principal who oversaw all construction aspects for this fast-track \$55M Cost-Plus-GMP Design-Build project. This new construction fertilizer industrial facility will produce approximately 210 tons per day of high nutrient ammonia sulfate fertilizer containing approximately 20 percent biosolids. The facility processes the biosolids, ammonia, high strength sulfuric acid, and other amendments through a proprietary two-stage hydrolysis and granulation process which results in a granular product that meets all EPA standards for Class A exceptional quality biosolids. Since the project was a first-of-its-kind facility, the project required a very fluid design and construction process allowing for significant owner driven changes. These changes were implemented in real time allowing for the completion of the project as quickly as possible.				

12. NAME		13. ROLE IN THIS CONTRACT		14. TOTAL YEARS EXPERIENCE	
Sharon J. Merchant		Public Information Officer		a. TOTAL	25
				b. WITH CURRENT FIRM	21
15. FIRM NAME AND LOCATION (City and State)					
The Merchant Strategy (TMS), West Palm Beach, FL					
16. EDUCATION (degree and specialization)				17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)	
Bachelor of Science International Affairs Jim Moran Institute for Global Entrepreneurship Certification					
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
19. RELEVANT PROJECTS					
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CURRENT FIRM
a.	Washington Road Utility and Stormwater Improvements Project, City of West Palm Beach, FL, 2018, Public Involvement Manager. Ms. Merchant provided leadership with the City of West Palm Beach elected officials and staff on behalf of our client. She supervised all staff Public Involvement activities for the Washington Road Project. TMS was a subconsultant for public involvement to another firm for the City of West Palm Beach Project.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CURRENT FIRM
b.	Florida Department of Transportation (FDOT) District 4 – Design Services Contract, City of Coral Springs, FL, 2018, Public Involvement Manager. Ms. Merchant led TMS Public Involvement Team assuring all collateral, CAP plan, stakeholder data bases and printed material were top quality for the FDOT, District 4 Services contract. TMS was a subconsultant for public involvement to another firm for the City of Coral Springs, FL.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CURRENT FIRM
c.	FDOT District 4 – Four Bridges Project, Palm Beach County, FL, 2018, Public Involvement Manager. Ms. Merchant provided quality assurance on all team documents for this FDOT District 4 – Four Bridges Project, including the CAP plan, stakeholder database, newsletter and all printed material. TMS was a subconsultant for public involvement to another firm for Palm Beach County, FL.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CURRENT FIRM
d.	Florida Turnpike Enterprise (FTE) Project, City of Boca Raton, FL, Ongoing, Public Involvement Manager. Ms. Merchant is providing quality assurance on all team documents for this FTE project, including the CAP plan, stakeholder database, newsletter and all printed materials. She will be the key contact for all constituent and agency meetings. TMS is a subconsultant for public involvement to another firm for the City of Boca Raton, FL.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CURRENT FIRM
e.	Town Square Phase 1, City of Boynton Beach, FL, 2017, Public Involvement Manager. Ms. Merchant was the team lead on both public involvement activities and the Boynton Beach Building Wealth program for this unique public private partnership. TMS was a subconsultant to another firm for the City of Boynton Beach, FL.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CURRENT FIRM
f.	Progressive Design-Build for a Resin Plant and East WTP Improvements, City of Boynton Beach, FL, 2017, Public Information Manager. As a subconsultant to CDM Smith, Ms. Merchant provided all supervision, and quality assurance for the Boynton Beach Ion Exchange Resin Plan and East Water Treatment Plant Improvement projects. TMS provided all necessary public involvement, including frequent social media to advise residents of constant maintenance of traffic (MOT) changes.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CURRENT FIRM
g.	SSES Collection System Rehabilitation, Palm Beach County, FL, 2016, Public Information Manager. As a subconsultant to CDM Smith, Ms. Merchant provided quality assurance for the Palm Beach County Collection System Rehabilitation project. Tasks include database management, editing project letters and door hangers, logistics and meeting coordination.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CURRENT FIRM
h.	Western Landfill Site Planning and Permitting, Solid Waste Authority of Palm Beach County, FL, 2011, Public Information Manager. TMS guided stakeholders through sticky issues and prepared the public to accept a decision re the siting of a new landfill in Western Palm Beach County. She developed collateral materials and a strategy to meet with all impacted government leaders in proximity to the sites, re distance to residents, expenses, and the pros and cons of each. She minimized objections and addressed NIMBY problems before they occurred.				

Resumes of Key Personnel Proposed for this Contract

PART I – CONTRACT-SPECIFIC QUALIFICATIONS

12. NAME		13. ROLE IN THIS CONTRACT		14. TOTAL YEARS EXPERIENCE	
Todd Parrish		Public Information Officer		a. TOTAL	25
				b. WITH CURRENT FIRM	1
15. FIRM NAME AND LOCATION (City and State)					
The Merchant Strategy (TMS), West Palm Beach, FL					
16. EDUCATION (degree and specialization)				17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)	
Administrative Public Policy, Duke University					
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
19. RELEVANT PROJECTS					
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CURRENT FIRM
a.	Washington Road Utility and Stormwater Improvements Project, City of West Palm Beach, FL, 2018, Public Involvement Specialist. Mr. Parrish communicated with the homeowner associations, developed collateral materials, and created a stakeholder database for the Washington Road stormwater improvements project. TMS was a subconsultant for public involvement to another firm for this City of West Palm Beach project.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CURRENT FIRM
b.	Florida Department of Transportation (FDOT) District 4 – Design Services Contract, City of Coral Springs, FL, 2018, Public Involvement Specialist. Mr. Parrish staffed the public meeting, organized collateral materials, collecting comment cards, drafting responses for the project manager and providing meeting notes for this FDOT roadway design project. TMS was a subconsultant for public involvement for another firm.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CURRENT FIRM
c.	FDOT District 4 – Four Bridges Project, Palm Beach County, FL, 2018, Public Involvement Specialist. For the Palm Beach County four bridges project, TMS was a subconsultant to another firm. Mr. Parrish edited stakeholder databases, updated elected officials, created meeting materials, staffed two public meetings and prepared meeting notes. He helped review all documents prior to final QA/QC by the Public Involvement Project Manager.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CURRENT FIRM
d.	Florida Turnpike Enterprise (FTE) Project, City of Boca Raton, FL, Ongoing, Public Involvement Specialist. For this ongoing FTE project, TMS is a subconsultant for another firm. Mr. Parrish provides collateral materials and stakeholder database, staffed public meetings and provided meeting minutes for this design-build project.				

12. NAME		13. ROLE IN THIS CONTRACT		14. TOTAL YEARS EXPERIENCE	
Bethany Lawler		Public Information Officer		a. TOTAL	4
				b. WITH CURRENT FIRM	1
15. FIRM NAME AND LOCATION (City and State)					
The Merchant Strategy (TMS), West Palm Beach, FL					
16. EDUCATION (degree and specialization)			17. CURRENT PROFESSIONAL REGISTRATION (state and discipline)		
Bachelors of Science in Business Management Minor in Marketing, Centenary University					
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.):					
19. RELEVANT PROJECTS					
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CURRENT FIRM
a.	Washington Road Utility and Stormwater Improvements Project, City of West Palm Beach, FL, 2018, Public Involvement Specialist. Ms. Lawler spearheaded creative services regarding public involvement for another engineering firm on a City of West Palm Beach utility improvements project. She created collateral materials and letters to residents regarding project developments.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CURRENT FIRM
b.	Florida Department of Transportation (FDOT) District 4 – Design Services Contract, City of Coral Springs, FL, 2018, Public Involvement Specialist. Ms. Lawler staffed the public meeting, organized collateral materials, collected comment cards, drafted responses for the project manager and provided meeting notes for this FDOT roadway design project. TMS was a subconsultant for public involvement for another firm.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CURRENT FIRM
c.	FDOT District 4 – Four Bridges Project, Palm Beach County, FL, 2018, Public Involvement Specialist. For the Palm Beach County four bridges project, TMS was a subconsultant to another firm. Ms. Lawler created detailed project maps, detour routes, organized meeting materials, finalized public meeting notification letters and assembled all materials for printing. She stamped, stuffed and sealed notification letters for all impacted residents. She also staffed two public meetings and helped review all documents prior to final QA/QC by the Public Involvement Project Manager.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CURRENT FIRM
d.	Florida Turnpike Enterprise (FTE) Project, City of Boca Raton, FL, Ongoing, Public Involvement Specialist. For this ongoing FTE project, TMS is a subconsultant to another firm. Ms. Lawler creates collateral materials, staffs public and home owner association (HOA) meetings and provided meeting minutes for this design build project.				
	TITLE AND LOCATION (CITY & STATE) • YEAR COMPLETED (ENG./CONST.) • ROLE • BRIEF DESCRIPTION (Scope, Size, Cost, etc.)				<input checked="" type="checkbox"/> PERFORMED WITH CURRENT FIRM
e.	Neighborhood Streets Project, City of Lake Worth, FL, 2018, Public Involvement Specialist. Ms. Lawler created door hangers for this City of Lake Worth roadway improvements project. In coordination with translators, she designed door hangers to be in both Spanish and Creole languages to fit the needs of the impacted community.				

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Kender Louisius	13. ROLE IN THIS CONTRACT CEI Inspection and QA/QC	14. YEARS EXPERIENCE	
		a. TOTAL 5	b. WITH CURRENT FIRM 3
15. FIRM NAME AND LOCATION (City and State) Engenuity Group, Inc. (West Palm Beach, Florida)			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Gold Coast Distributing Company – Pompano Beach	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm a. Gold Coast renovated its main building to add a new building entrance along with creating an onsite parking for its employees. Kender served as Project Engineer preparing permit submittals, construction administrative services, and preparing drainage, grading and paving drawings for the project.		
(1) TITLE AND LOCATION (City and State) SR 80 – Lowe’s Road – Royal Palm Beach	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm b. The bridge that runs over the C-51 Canal also known as “Village Royale Bridge,” is being constructed into a 7-lane bridge due to the expected increase in traffic flow that the new housing development which is also being built will attract. Mr. Louisius served as Project Engineer on the project preparing drainage, grading and paving drawings and performed construction administration and inspection services. The bridge that runs over the C-51 Canal also known as “Village Royale Bridge,” is being constructed into a 7-lane bridge due to the expected increase in traffic flow that the new housing development which is also being built will attract. Mr. Louisius served as Project Engineer on the project preparing drainage, grading and paving drawings.		
(1) TITLE AND LOCATION (City and State) Adult Education Center – West Palm Beach	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm c. The Palm Beach County School Board recently renovated their Adult Education Building on Westgate Ave. Kender was the Project Engineer on the project implementing his knowledge on preparing drawings which indicate the scope of the drainage, grading, paving, wastewater and water work drawings which includes design of parking areas, sidewalks, and bus loops. He was also in charge of construction administration and performed inspections during site work building.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Jennifer Malin, P.S.M.	13. ROLE IN THIS CONTRACT Survey	14. YEARS EXPERIENCE a. TOTAL 12	b. WITH CURRENT FIRM 7
15. FIRM NAME AND LOCATION (City and State) Engenuity Group, Inc. (West Palm Beach, Florida)			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S./ Land Surveying/Mapping		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Florida/ Surveying & Mapping	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Member of Florida Surveying & Mapping Society; Qualified Stormwater Management Inspector			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Various Projects- Village Engineer (North Palm Beach, FL)	Ongoing	N/A
<input checked="" type="checkbox"/> Check if project performed with current firm Ms. Malin has completed various projects for the Village of North Palm Beach of which Engenuity Group, Inc. is the Village Engineer for. Some examples of these are as follows:		
a. <ul style="list-style-type: none"> NPDES Annual Reports Yacht Club Drive Bulkhead Golf Course Boundary for New Layout Sketch & Legal Descriptions Old Port Cove Drainage System Mapping Golf Course Boundary & Topographic Survey Boundary & Topographic Survey for Anchorage Park Topographic Survey of Corsair Drive Topographic and Boundary Survey for NPB Golf Course 		
Palm Beach International Airport (West Palm Beach, FL)	Ongoing	Ongoing
<input checked="" type="checkbox"/> Check if project performed with current firm Engenuity Group, Inc. has an ongoing contract as a sub-consultant for surveying on many different airport jobs under AECOM including the new Commuter Taxiway, multiple Apron rehabilitations, and the new Baggage Handling Center. Ms. Malin has performed the following at the Airport:		
b. <ul style="list-style-type: none"> Setup on Control Network Topographic Surveys Construction Layout 		
Haverhill Road (Palm Beach County, FL)	Ongoing	Ongoing
<input checked="" type="checkbox"/> Check if project performed with current firm Preparation of roadway plans along Haverhill Rd from Caribbean Blvd to Beeline Hwy.		
c.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME C. Andre Rayman, P.S.M.		13. ROLE IN THIS CONTRACT Survey		14. YEARS EXPERIENCE	
				a. TOTAL 30	b. WITH CURRENT FIRM 26
15. FIRM NAME AND LOCATION (City and State) Engenuity Group, Inc. (West Palm Beach, Florida)					
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Surveying & Mapping			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Florida / Surveying and Mapping		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Florida Surveying and Mapping Society; Florida Association of Cadastral Mappers; American Congress on Surveying & Mapping; Forest Hill High School Engineering Academy Adviser; FES Mentor Program at Florida Atlantic University					
19. RELEVANT PROJECTS					
	(1) TITLE AND LOCATION (City and State) Indian Trail Improvement District		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) N/A	
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <ul style="list-style-type: none"> Topographic Survey for Berm Repair MO Canal Project Developed digital map and database (over 30 miles of road) 		<input checked="" type="checkbox"/> Check if project performed with current firm		
	(1) TITLE AND LOCATION (City and State) Village of North Palm Beach		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A	
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <ul style="list-style-type: none"> Topographic Survey for Bulkhead Design/Retrofit Golf Course Boundary Definition for new Golf Course Layout Plat review Basemap and Sketch/Description for Carolina Drive Topographic & Boundary Survey for Anchorage Park Drainage System Mapping 		<input checked="" type="checkbox"/> Check if project performed with current firm		
	(1) TITLE AND LOCATION (City and State) Town of Lake Clarke Shores		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A	
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <ul style="list-style-type: none"> Review Plats Topographic and Boundary Survey of Town Hall Cross Sections of LWDD Canal and Topographic Survey of City Park adjacent to Forest Hill Blvd Develop Property Ownership GIS Sanitary Sewer Expansion Project Stake and Grade 		<input checked="" type="checkbox"/> Check if project performed with current firm		

20. EXAMPLE PROJECT KEY NUMBER | I

21. TITLE AND LOCATION <i>(City and State)</i>		22. YEAR COMPLETED	
Ion Exchange Resin Plant and East WTP Improvements, Boynton Beach, FL		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
		2017	2017
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER	
City of Boynton Beach, FL	Michael Low, Manager Technical Services	561.742.6403	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		PROJECT COST:	\$25.5M

CDM Smith delivered a progressive design-build installation of an Ion Exchange Resin Plant at the West WTP site for pretreatment of the water supply to the East WTP from the western wellfield while upgrading the WTP to a capacity of 24 mgd. When CDM Smith was engaged, our initial cost estimate of all components was \$48M. As this price was 50 percent over the City's budget, we worked with the City to perform cost assessments and value engineering as design continued and provided target estimates at the 10, 30, and 60 percent levels. The final guaranteed maximum price was signed for \$30.8M. Using a progressive design-build approach, the team was able to deliver the baseline scope below the initial budget. Approximately \$2.5M in savings from value engineering allowed the City to proceed with several other value-added items, including:



- Modified parking layouts, fencing, and security systems to provide separation between employee parking areas and plant operations, and to allow employees to park near the administration building.
- Installed a new programmable LED lighting system to provide colored aesthetics to both the City's iconic water tower and ground storage tank.
- Constructed a new medical clinic on the site which provides basic services to City employees and reduces the City's costs for employee medical insurance. Our original contract only included construction of new stud walls but with the savings, we were able to complete the full build out of the clinic.
- Performed significant structural repairs of the existing finished water clearwell.
- Added design improvements to the base MLEX system with inclined stainless-steel resin settling plates (instead of tubes) to separate the resin from the treated water, allowing for easier maintenance and resilience in the system.
- Performed testing to evaluate structural integrity of the existing silos as the original scope included complete replacement of the existing lime silos. Based on the results of the testing, we recommended that the existing silos be retained (with repairs). The resulting savings allowed funding of other needed improvements.
- Provided self-performance of selected work packages including yard piping. By self-performing the yard piping, we were able to address several utility conflicts in real-time with our in-house designers and construction professionals working to develop work-arounds and minimize cost and schedule impacts.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	CDM Smith	Boca Raton, FL	Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	CDM Smith	Maitland, FL	Support Services
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	CDM Smith	Atlanta, GA	Support Services

20. EXAMPLE PROJECT KEY NUMBER | 2

21. TITLE AND LOCATION <i>(City and State)</i>		22. YEAR COMPLETED	
Central Monitoring Facility, Palm Beach County, FL		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
		2013	2013
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER	
Palm Beach County Water Utilities Department (WUD)	Anthony Longo, Facilities System Project Manager	561.233.0219	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		PROJECT COST:	\$1.94M

As part of an existing consultant agreement with the Palm Beach County WUD, CDM Smith was retained to provide professional design services associated with preliminary design, final design, permitting, and bidding, and construction management for the 3,000-ft² Central Monitoring Facility (CMF).

During preliminary design, we evaluated the agreed upon three Options for the CMF: Option 1 – Interior renovation of the document storage area on the first floor of the existing Central Regional Operations Center (CROC) Administration and Engineering Building; Option 2 – Addition to the southeast side of the existing CROC building; and Option 3 – A new standalone facility located on the CROC complex site. After evaluating each of the options with WUD for construction costs, site modifications, impact to future operations and impact to current staff, it was decided that Option 2 was the most viable option.



CDM Smith completed final design of Option 2, an approximately 3,000-ft² hurricane hardened addition to the existing CROC building in May 2012. This facility is the central nerve for the County on a daily basis serving as the hub for monitoring, optimizing, controlling, and responding to situations within WUD's water, wastewater, and reclaimed water systems. During the final design phase, we continued to collaborate with WUD through interactive charrettes which, with the input of all stakeholders, allowed the design to be tweaked and revised to meet WUD's needs for this very important facility.

The project was constructed through WUD's existing Construction Management-At-Risk (CMAR) contract with the Contractor. CDM Smith was the owner's representative during construction. Specifically, we negotiated the contract price with the CMAR firm, reviewed shop drawings, made recommendations on the resolution of issues, attended construction meetings, and conducted the substantial completion and final completion inspections.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	CDM Smith	Boca Raton, FL	Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	CDM Smith	Maitland, FL	Support Services
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	CDM Smith	Atlanta, GA	Support Services

21. TITLE AND LOCATION (City and State)		22. YEAR COMPLETED	
Design-Build-Operate of a Mass Burn Waste-to-Energy Facility, Palm Beach County, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2015	2015
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER	
Solid Waste Authority of Palm Beach County (SWA)	Ray Schauer, Director of Engineering and Public Works	561.640.4000 ext. 4603	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		PROJECT COST:	\$120M

SWA provides solid waste disposal and recycling services and programs for the county's 1.4 million residents and businesses. In order to meet their goal of expanded combustion capacity to extend the life of the existing landfill, the county began planning, preliminary design, and permitting for a new 3,000-tpd mass burn waste-to-energy facility, increasing SWA's overall waste processing capacity to 5,000 tpd. CDM Smith, as part of the design-build team, provided the following services:

Design and Construction Services: CDM Smith's scope of work included the design and construction of the on-site roadways, drainage, utilities, landscaping, grading, and fencing. We also designed and constructed the tipping floor building, the refuse pit building, air pollution control (APC) building, the boiler building, the ash handling building, the maintenance/warehouse building, a Platinum LEED®-certified administration building/visitor center, fire pump building, and a fuel dispensing facility. The design and construction of these buildings included the associated architectural, fire protection, utility services, electrical, structural, HVAC, plumbing, and fueling system. Additionally, CDM Smith managed several subcontractors conducting geotechnical investigations, topographic surveys, and tree surveys. We also oversaw subcontractors providing pre-engineered metal buildings and fire protection systems. During the design-build process, CDM Smith provided services during construction, which included bi-weekly meetings, submittal review, RFI assistance, site visits, and punchlist resolution.



Architectural Services: CDM Smith provided all architectural design features associated with the interiors of the Platinum LEED-certified administration building and visitor center, the maintenance/warehouse building, and the ash handling building. Additionally, CDM Smith is providing architectural design for the roof systems, exterior siding, exterior windows, and exterior doors for several other buildings/structures.

The original design-build proposal for \$667M provided for a "base" architectural design but offered an option for SWA to implement enhanced architectural features through the utilization of an additional allowance. After award, SWA directed the project team to proceed with the enhanced architectural design. For an additional \$12M, CDM Smith will design, permit, and construct the following architectural enhancements:

- **Elevated Walkway.** A covered (curved roof) elevated walkway connects the third floor of the administration building to the refuse building. This required additional geotechnical investigations, modifications to the civil/sitework drawings, and additional architectural, structural, and electrical drawings.
- **Administration Building Enhancements.** The administration building and visitor center were enhanced with an elevator gallery penthouse on the rooftop (third floor), a planted roof garden, an eco-art rain curtain, and a rain garden. Additionally, photovoltaic sun canopies will be provided over parking areas and sidewalks. This required additional architectural, structural, HVAC, electrical, and civil efforts. The visitor center is a LEED® Platinum-Certified facility—exemplifying the cutting edge in sustainability and conservation. This facility incorporates the latest in environmental and energy efficient design, including solar power, which provides approximately 20% of the energy needed for the structure.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	CDM Smith	Boca Raton, FL	Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	CDM Smith	Maitland, FL	Support Services

21. TITLE AND LOCATION <i>(City and State)</i>		22. YEAR COMPLETED	
South Miami Heights WTP, Design-Build-Operate Finance and Maintain (DBFOM)		PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(If applicable)</i> 2018
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER	
Miami-Dade Water and Sewer Department (WASD)	Mario Garcia, Priority Capital Improvements – Acting Chief	786.552.4353	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		PROJECT COST:	\$4.9M

CDM Smith's scope of services included providing professional engineering services for development of a design-build criteria package that will serve as the basis for preparing the final design for a new membrane water treatment facility and raw water supply wellfield with an initial capacity of 20 mgd, and preparation of procurement documents for a proposed design-build alternative delivery, including operation and financing, for Miami-Dade County.

As part of the criteria development, CDM Smith prepared criteria including civil, structural, electrical, mechanical, architectural and automation, evaluated the design to meet LEED® Silver certification and evaluated climate change adaptation for the facility. CDM Smith prepared the Design Criteria Packages of the WTP and raw water supply system. As part of the criteria development, CDM Smith conduct a hydrologic evaluation of the UFA wellfield based on the results of a systematic and comprehensive hydrogeologic test program. CDM Smith provided full time Owner's Representative services during the test program to evaluate potential yield and quality of groundwater from the UFA at the proposed SMH wellfield site. Three test production wells for hydrogeological assessment and a Class V deep exploratory well located at the SMH WTP site were designed, permitted and constructed. The hydrogeologic data collected was used to provide critical design criteria for the SMH WTP and Wellfields.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME CDM Smith	(2) FIRM LOCATION <i>(City and State)</i> Miami, FL	(3) ROLE Prime
b.	(1) FIRM NAME CDM Smith	(2) FIRM LOCATION <i>(City and State)</i> Boca Raton, FL	(3) ROLE Support Services
c.	(1) FIRM NAME CDM Smith	(2) FIRM LOCATION <i>(City and State)</i> Maitland, FL	(3) ROLE Support Services
d.	(1) FIRM NAME CDM Smith	(2) FIRM LOCATION <i>(City and State)</i> Atlanta, GA	(3) ROLE Support Services

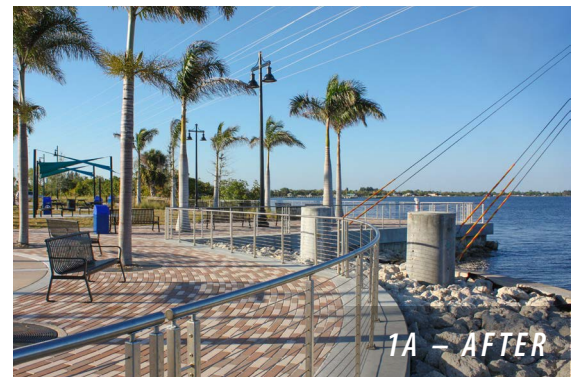
20. EXAMPLE PROJECT KEY NUMBER | 5

21. TITLE AND LOCATION (City and State)		22. YEAR COMPLETED	
CEI Services for the Gateway Harbor Walk Phase 1A		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2016	2016
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER	
Charlotte County, FL	Kelly Slaughter, Project Manager	941.575.3657	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		PROJECT COST:	\$2.4M

The project consisted of the construction of the new Live Oak Point Park facility located along the northeast side of US 41 in Charlotte Harbor. CDM Smith provided construction oversight for the \$2.3M site improvements that included roadway/parking area construction, ADA-compliant pedestrian sidewalks and ramps along the entire park limits, storm sewer improvements, retaining walls, utilities, lighting, landscaping, and irrigation. Construction funding was provided through the FDOT LAP program and the County. We also provided daily inspection which included daily reporting of construction, quantity measurements, and coordination with the contractor and the various utilities including Florida Power & Light (FPL) transmission. On this project, we were instrumental in identifying a major conflict by providing diligent and persistent leadership, communication, coordination, and design solutions so a construction delay claim could be avoided and a much more realistic design option could be constructed. We also provided schedule, requests for information (RFIs), and shop drawing review, while leading all project meetings with the County, the contractor, FDOT, and utilities. *This project team won the FDOT District One Notable Project Award for 2016 as well as the Florida Association of County Engineers & Road Superintendents' Local Agency/State Agency Collaboration Project of the Year for 2017.*



1A – BEFORE

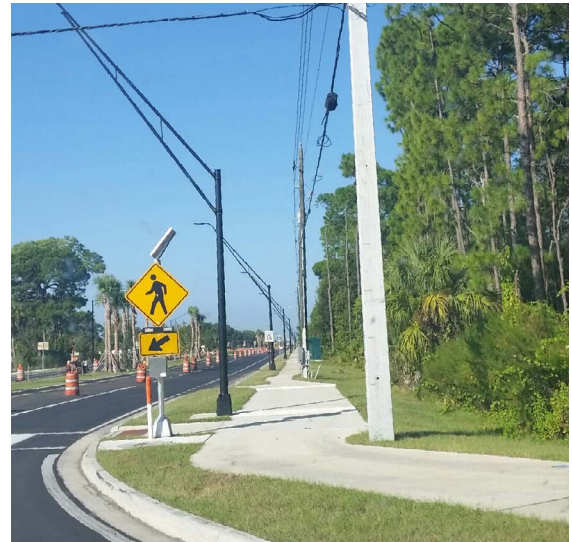


1A – AFTER

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	CDM Smith	Sarasota, FL	Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	CDM Smith	Maitland, FL	Support Services

21. TITLE AND LOCATION (City and State)		22. YEAR COMPLETED	
CEI Services for Bee Ridge Road Expansion, Sarasota County, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2016	2016
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER	
Sarasota County, FL	Thai X. Tran, PE; Project Manager	941.861.0889	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		PROJECT COST:	\$21.7M

CDM Smith provided CEI services for this capacity improvement project that included the construction of four new roundabouts, two of which were conversion from signalized intersection along Bee Ridge Road with complete reconstruction of a two-lane rural roadway to a four-lane urban roadway, from Mauna Loa Boulevard (just east of I-75 FDOT limited access [LA] right-of-way [ROW]) to Iona Road for about 2.5 miles. In addition, the project included relocation of almost \$4M of FPL distribution lines and Verizon communication lines and the construction of privacy and gravity walls. The project included construction of more than \$3M of municipal utilities, including 1,200 linear feet (lf) of HDPE directional drilling of water and wastewater lines ranging from 8 to 18 inches, construction of 15 low impact development (LID) stormwater treatment areas, extension of an existing box culvert with new headwall and railing, and more than 100 light-emitting diode (LED) street lights and \$1M of extensive tree protection, irrigation, and landscape features. Challenges to this project included the 13 heavily involved homeowners associations and multiple driveway access points along the route. *This project team won Florida Association of County Engineers & Road Superintendents' Team Project of the Year Award for 2017.*



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	CDM Smith	Sarasota, FL	Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	CDM Smith	Maitland, FL	Support Services

21. TITLE AND LOCATION (City and State)		22. YEAR COMPLETED	
Biosolids Pelletization Facility – Owner's Representative Services for the Design, Permitting, Construction, and Operations, West Palm Beach, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2010	2010
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER	
Solid Waste Authority of Palm Beach County (SWA)	Ray Schauer, Director of Engineering and Public Works	561.640.4000 ext. 4603	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		PROJECT COST:	\$6M

CDM Smith assisted SWA with the development of the regional biosolids pelletization facility. This facility effectively recycles Palm Beach County's wastewater sludge (biosolids), which previously was being land applied or landfilled, into a high-value product that can be transported and beneficially used regionally as a fertilizer amendment. This facility was developed cooperatively between SWA and five utilities in Palm Beach County, including Palm Beach County Water Utilities Department, the City of Boca Raton, South Central Regional Wastewater Treatment Facility, Seacoast Utility Authority, and the Loxahatchee River Environmental Control District. SWA is the lead agency because they have land available for the facility, and they have sufficient quantities of landfill gas, which is an inexpensive fuel.



The pelletization facility is designed to treat 600 wet tons per day (wtpd) of biosolids at approximately 15 percent dry solids. The facility is designed and constructed to utilize rotary drums to heat the sludge using landfill gas as the primary fuel source, augmented by natural gas. The use of landfill gas sets the facility apart from similar projects. It eliminates the existing flare system at the landfill.

Phase I of this effort encompassed preliminary design and permitting of the facility. CDM Smith prepared a Preliminary Design Report and submitted a permit application for the modification of the SWA Power Plant Site Certification, including groundwater, surface water, and air quality (Title V and PSD) permits. As part of Phase II, we prepared the request for qualifications (RFQ) and the request for proposals (RFP) for the facility, evaluated the responses to both the RFQ and RFP, and recommended award to the design-build-operate (DBO) contractor. For Phase III, we assisted SWA in design and construction oversight of the DBO contract. This included:

- **Design Review:** We reviewed the design engineer's Preliminary Design Report, design drawings and specifications, and survey and geotechnical data.
- **Construction Review:** We provided construction review services related to submittals prepared by the DBO Contractor as provided by the Design and Construction Agreement.
- **Progress Monitoring:** We conducted site visits, reviewed applications for payment, reviewed proposed change orders, maintained field reports, attended monthly progress reports, and maintained comprehensive project records.
- **Acceptance Testing:** We reviewed, observed, and monitored the Acceptance Tests performed by the DBO Contractor for conformance with the Design and Construction Agreement.
- **Resident Project Representative (RPR):** We provided an RPR, who prepared daily reports, describing the general working conditions, areas of construction activity, tests performed, and special and unusual events.

Since the facility began operation in August 2009, CDM Smith has continued its role as Owner's Representative assisting SWA with managing the contract operator, interacting with the utility partners, annually inspecting the facility, expediting ongoing permitting approvals, and providing general operations support.

The Biosolids Pelletization Facility was awarded a Florida Institute of Consulting Engineers (FICE) Grand Award in 2010. In addition, this project earned the prestigious distinction of National Finalist in the American Council of Engineering Companies 2010 Engineering Excellence Awards competition. The project was also awarded the Gold Award in the Landfill Gas Utilization category from SWANA.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	CDM Smith	Boca Raton, FL	Prime

21. TITLE AND LOCATION (City and State)		22. YEAR COMPLETED	
Nanofiltration Water Treatment Plant Design-Build, Dania Beach, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2012	2012
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER	
City of Dania Beach, FL	Ronnie S. Navarro, PE	954.924.6808, ext. 3615	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		PROJECT COST:	\$8.9M

In 2003, the City and CDM Smith determined a need to construct a 2.0 mgd nanofiltration (NF) process expansion to the City's aging existing 3.0 mgd conventional lime softening water treatment plant (WTP) in order to meet increasing drinking water demands due to growth within the city service area, as well as to improve the finished water quality delivered to customers by reducing the levels of disinfection by-products (i.e., total trihalomethanes and five haloacetic acids, dissolved organics, and color in the blended finished water). Prior to 2008, the city's potable water maximum day demands exceeded the plant's capacity on several occasions, requiring the city to supplement the plant production with water purchased from the City of Hollywood. Although the city had always remained in compliance with the increasingly stringent disinfectant by-product (DBP) rules, monitored DBP levels in the distribution system were higher than the City desired, and the city determined that it would provide a greater safety margin with respect to these regulatory limits. The 2.0 mgd expansion using the nanofiltration process met both of these objectives.



Prior to the nanofiltration process addition, the City and CDM Smith successfully completed several projects and planning efforts in preparation for this addition, including installation of approximately 7,900 linear feet of water transmission main improvements, construction of a 2.0 MG finished water ground storage tank and high service pump station, development of a site master plan for the WTP, and a preliminary design report/design criteria for the nanofiltration process addition.

Stimulus project funding was a critical factor in making the project a reality due to declining property tax revenue as a result of the financial crisis. Since the stimulus funding was available on a fast-track basis, the city recognized that a design-build (DB) approach would be needed to meet the funding application deadline. The DB approach reduced the projected execution schedule by approximately 74 weeks in total and was critical in securing American Recovery and Reinvestment Act (ARRA) and State Revolving Fund (SRF) stimulus funding.

An innovative membrane system design entailing a two-stage NF membrane system with convertible third-stage reverse osmosis (RO) units was developed to meet the project technical challenges, including providing the operational flexibility to treat variable quality raw water sources, achieving high system recovery, and minimizing raw water consumption and concentrate disposal costs. The third stage either operates as a single stage allowing 91 to 92% recovery to meet concentrate disposal restrictions, or reconfigures to a third and fourth stage 2:1 array to maximize system recovery and further reduce operating costs. The NF/RO system provides the flexibility to achieve product water quality goals with variable raw water quality from both the city's wellfield and the Broward County wellfield, which has notably higher levels of iron, TOC, and DBP precursors. The NF/RO system utilizes the existing sewer collection system, which flows to the City of Hollywood's wastewater treatment plant for concentrate disposal.

A hallmark of this facility is its LEED®-based design, featuring energy optimizing performance equipment, construction materials with high recycled content, and xeriscaping and low-flow fixtures.

The shovel-ready project was recognized by the U.S. EPA for using ARRA funding to benefit the community by providing much needed water treatment infrastructure and creating desperately needed jobs, and by the Florida Institute of Consulting Engineers for Engineering Excellence.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	CDM Smith	Boca Raton, FL	Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	CDM Smith	Maitland, FL	Support Services

21. TITLE AND LOCATION (City and State)		22. YEAR COMPLETED	
Bus Transit Facility, Key West, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2016	2016
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER	
City of Key West, FL	John Castro, Utilities Director	305.809.3902	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		PROJECT COST:	\$8M

CDM Smith provided design and construction services for the City of Key West Transportation Facility on Stock Island in Key West, FL. This development was necessary for the City to effectively handle its current and future public transportation needs. The new transportation facility is situated on a 3.9-acre site and contains an administration and bus maintenance building, a bus wash building, and a fuel island along with parking areas to accommodate buses, staff, and visitor vehicles.

Site Layout and Challenges: Limited by the landfill to the north and an existing main road to the south, the long narrow site presented challenges. Extensive simulations of bus circulation verified the site could accommodate the buildings, necessary parking, delivery access and sequence of services. Site security and building access was also a concern, and was addressed with dedicated public parking and separate employee entrance.



Fleet Maintenance, Service, Wash and Storage: The 7,500-square-foot maintenance building is comprised of 6 maintenance bays with two permanent lifts for buses and portable lifts for other fleet vehicles. Located adjacent to the service bays are a maintenance shop, electrical shop and multiple storage rooms. The large parts storage accommodates a tire rack, spare seats and other large components while the parts storage room provides an organized space for an extensive collection of small parts. Dedicated rooms for both lube storage and batteries are accessible from the rear of the building enabling straightforward access for deliveries and pick-ups. The facility also includes a 2,100-square-foot drive-through bus wash and diesel fueling station.

Administration Facility: A 7,800-square-foot, two-story administration building supports maintenance staff, the city staff, bus drivers and the public. The first floor includes dispatch office, operations offices, farebox storage as well as a break room and shower/locker facilities for employees. On the second floor, office and training rooms serve the City's Department of Transportation. Daylighting and views as well as other sustainable design decisions drove the final layout.

Aesthetic Considerations: The aesthetic of the building blends vernacular Key West architectural styling in a contemporary and sustainable manner. The functional size and proportions paired with the varying heights required of the building program influenced the selection of the overall aesthetic. The wide and tall front facade lends itself to the simple lines of the modern shed roof, mimicking the style of the Eyebrow House from the street, while visually activating the side elevations and clearly separating the administrative portion from the maintenance area. The main entrance, highlighted by its tall, monolithic nature, draws visitors to the front of the building, while activating the corner adjacent to the main building approach.

The exterior walls are clad in stucco over concrete masonry block construction. The arrangement of specific materials helps to distinctly identify the programmatic organization of the buildings. The combination of a standing seam metal roof located over the administrative portion of the building and a membrane system over the maintenance and bus wash areas will provide a highly reflective surface reducing heat gain. Low-E glazing assemblies paired with exaggerated roof overhangs and shading devices enhance the interior spaces by allowing for natural daylight and exterior views, while limiting too much daylight and solar heat gain from disturbing occupants. Translucent panels located in the maintenance area will provide daylighting, while reducing the dependence on electric lights and minimally affecting the insulation factor in the wall assembly.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	CDM Smith	Boca Raton, FL	Support Services
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	CDM Smith	Miami, FL	Support Services
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	CDM Smith	Maitland, FL	Support Services
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	CDM Smith	Atlanta, GA	Support Services

21. TITLE AND LOCATION <i>(City and State)</i>		22. YEAR COMPLETED	
Design-Build Criteria Professional Services for Fire Station No. 113, Delray Beach, FL		PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>
		2018	N/A
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER	
City of Delray Beach, FL	Isaac Kovner, PE, Principal Engineer	561.243.7341	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		PROJECT COST:	\$144,000

The City of Delray Beach currently operates Fire-Rescue Station No. 113 (formerly Fire-Rescue Station No. 3), located at 651 Linton Boulevard, Delray Beach, Florida. The primary use of this facility is a continuously occupied fire rescue station with living facilities. The City intends to construct a new fire-rescue station and Emergency operations center (EOC) facility on the existing site, which will continue to provide appropriate fire-rescue response times to the community and serve as the main command center for the City during emergencies.

CDM Smith prepared the Design Criteria Package (DCP) to include a detailed scope, establish the design criteria, performance requirements, and bid and contract parameters for the Project. The Design Criteria Package included details for a new, 28,300 square foot facility to replace the existing 6,000 square foot facility. The programmed space is split over three floors and the DCP includes facility room data sheets for each space within the building, outlining City requirements for room sizes, materials, finish selections, hardware, furniture, special equipment, telecommunication systems, and also criteria for mechanical, electrical and plumbing (MEP) systems, site development, landscaping, utilities services and stormwater management. Conceptual floor plans were developed with the Owner for the entire facility to validate the facility size and to ensure proper functional relationships met the Owner's requirements.



The new 28,300 square foot Fire-Rescue Station No. 113 includes an Apparatus Bay with drive-through access for three parallel bays and a two-level, attached office/ living quarters component. The third floor of the building is dedicated to the EOC. The building will accommodate five distinct functional zones:

1. Apparatus Bay
2. Apparatus Bay Support
3. Office and Administration
4. Crew Living Quarters
5. Emergency Operations Center

Several design criteria meetings were held with City personnel to incorporate preferences and manage site constraints while achieving the City's overall goal.

CDM Smith prepared the planning level Opinion of Probable Construction Cost for the Fire-Rescue Station No. 113 and Emergency Operation Center based on the final design criteria prepared.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	CDM Smith	Boca Raton, FL	Support Services
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	CDM Smith	Miami, FL	Support Services
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	CDM Smith	Maitland, FL	Support Services

Key Personnel Participation in Example Projects PART I – CONTRACT-SPECIFIC QUALIFICATIONS

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.)									
		1	2	3	4	5	6	7	8	9	10
Suzanne E. Mechler, PE, BCEE	Principal-in-Charge	●	●					●			●
John S. Chandler	Consultant Project Administrator	●	●		●				●	●	
Gerald Soto	Assistant Consultant Project Administrator									●	
Daniel R. Maher, PE	Consultant Senior Project Engineer				●					●	●
Yanice I. Mercado, PE	Assistant Consultant Senior Project Engineer										
Ed Morales, RA, LEED® AP	Architect-of-Record										●
Adrian Streng	Engineering Discipline Support										
Emilio H. Gacharich, PE	Engineering Discipline Support	●			●					●	●
Michael T. Alford, AIA, LEED AP BD+C	Engineering Discipline Support		●	●	●				●	●	●
David M. Mastran, RA	Full-Time Resident Project Representative (RPR)										
Alexander G. Chinnery	Resident Compliance Specialist				●				●		
Daniel J. Lauth	Resident Compliance Specialist										
Kathryn E. (Beth) McArdle	Project Coordinator			●	●			●			●
Anthony J. James	Project Controls	●		●	●	●	●		●		
Craig A. Gadberry, PE	Project Controls	●		●	●				●		●
Dylan DiCarlo	CEI Inspection and QA/QC					●	●				
David S. Matos	CEI Inspection and QA/QC										
Robert J. Gilbert, DBIA	QA/QC	●		●							

29. EXAMPLE PROJECTS KEY			
NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Progressive Design-Build for Ion Exchange Resin Plant and East WTP Improvements, City of Boynton Beach, FL	6	CEI Services for Bee Ridge Road Expansion, Sarasota County, FL
2	Central Monitoring Facility, Palm Beach County, FL	7	Biosolids Pelletization Facility – Owner's Representative Services for the Design, Permitting, Construction and Operations, Palm Beach County, FL
3	Design-Build-Operate of a Mass Burn Waste-to-Energy Facility, Palm Beach County, FL	8	Nanofiltration Water Treatment Plant Design-Build, Dania Beach, FL
4	South Miami Heights WTP, Design-Build-Operate Finance and Maintain (DBOFM), Miami-Dade County, FL	9	Bus Transit Facility, City of Key West, FL
5	CEI Services for the Gateway Harbour Walk Phase 1A, Charlotte County, FL	10	Design-Build Criteria Professional Services for Fire Station No. 113, Delray Beach, FL

These additional projects presented in this section along with Tab 7 demonstrate our capabilities for design-build projects, municipal multi-use facilities, LEED®-certified buildings, and other capital improvement construction projects.



Public Works, Maintenance and Public Services Administration Building, City of Dania Beach, FL – CDM Smith provided design services associated with preliminary and final design, permitting, and bidding for this municipal facility including maintenance/garage and Public Works and Public Services administration building. Our team led an interactive charrette with all client stakeholders early on in project design to determine and outline the buildings spatial requirements, spatial adjacencies, owners' needs and establish project goals. The charrette meeting not only solidified the program but facilitated the client's aggressive 3-month design schedule. Sustainable design considerations included building components, materials and finishes that are high in recycled content and regionally manufactured; use of light colored reflective roofing materials to minimize thermal load on buildings and reduce heating/cooling costs; and an improved indoor environment through material selection and construction methods and procedures that create a comfortable, safe and healthy working environment.

Biodiesel Research Facility, Catawba County, NC – The objective of the 6,600 ft² facility is to provide space for biodiesel production and testing facilities for Appalachian State University. CDM Smith conducted an extensive LEED® Charette early in the design phase to identify the client's sustainability goals as well as credits that could easily be incorporated into the design. *The USGBC/GBCI certified this project as LEED Silver.* Because of the use of the building and integration with the Eco-Complex an emphasis was placed on Innovation and Design Credits. Educational signage about biodiesel will be incorporated as well as a station that highlights both the environmental implications of the building and the use of 3D/4D BIM technology in developing the design.

Chemical Compounding Facility, Lanxess Corporation, Gastonia, NC – Through a highly collaborative and effective design-build approach, CDM Smith delivered a high-performance materials compounding plant safely, on time, and within budget. The new compounding plant consists of a 35,000-ft² two-story production building and an administration/laboratory building on the 9-acre site with 10,000 ft² of high-density raw materials storage warehousing, truck loading and unloading facilities, and large material silos. Three separate design packages were managed to produce several sub projects, including main building complex housing production hall; administration building; raw materials warehouse; utilities room inside raw materials warehouse, and remainder of off site utilities and infrastructure. CDM Smith performed all engineering and permitting for the project including architectural, civil, structural, mechanical/HVAC and electrical detailed design. Serving as general contractor, CDM Smith prequalified local subcontractors, obtained bids, and subcontracted for all the construction. *This project was awarded a Design-Build Honor Award in the industrial/process/research facilities category from the Design Build Institute of America (DBIA).*

USAF F-15 Modernization Program, King Faisal Air Base, Tabuk, Saudi Arabia – CDM Smith provided multidisciplinary architectural and engineering services for this \$72M design-build project. This project provides facility expansion of the air base to provide the necessary support for the beddown of the F-15SA aircraft. Services include site civil infrastructure upgrades, parking, plaza, sidewalks, heavy duty pavement, heavy duty concrete, access aprons, taxiways, aircraft parking apron, and compass calibration pad. The project consists of nine new construction facilities, four existing facility modifications, and numerous site and infrastructure improvements to support a new F-15 squadron as part of a joint effort by the USAF and the Royal Saudi Air Force. The new construction facilities total over 150,000 ft² and include a Squadron Operations Facility, Full Mission Trainer Facility, wheel and tire shop, corrosion control facility, fuel system maintenance hangar, weapons release/gun system shop, avionics/pod facility, aerospace ground equipment maintenance facility, and domestic water utility and fire protection systems building. The team collaborated through the use of the enterprise-wide ProjectWise document management system providing a central location for all design documents including quality review submittals and documentation. This included six design packages totaling 20 submittals with 800 drawings, 140 specifications and a multi-volume design analysis, with response to approximately 1,500 client review comments.

I. AUTHORIZED REPRESENTATIVE

THE FOREGOING IS A STATEMENT OF FACTS

31. SIGNATURE

32. DATE

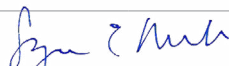
January 11, 2019

33. NAME AND TITLE

Suzanne E. Mechler, PE, BCEE; Associate

Architect-Engineer Qualifications

PART II – CONTRACT-SPECIFIC QUALIFICATIONS

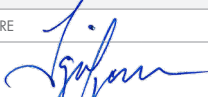
(If a firm has branch offices, complete for each specific branch office seeking work.)					1. SOLICITATION NUMBER (if any):	
2a. FIRM (OR BRANCH OFFICE) NAME					2019-007	
CDM Smith Inc.					3. YEAR ESTABLISHED	4. DUNS NUMBER
2b. STREET					1947	05-599-0261
621 NW 53 rd Street, Suite 265					5. OWNERSHIP	
2c. CITY	2d. STATE	2e. ZIP	a. TYPE	b. SMALL BUSINESS STATUS:		
Boca Raton	FL	33487	Corporation	Large Business		
6a. POINT OF CONTACT NAME AND TITLE					7. NAME OF FIRM (if block 2a is a branch office)	
Suzanne E. Mechler, PE, BCEE; Principal					CDM Smith Inc.	
6b. TELEPHONE NUMBER:		6c. E-MAIL ADDRESS:		8b. YR. ESTABLISHED	8c. DUNS NUMBER	
561.571.3800		mechlerse@cdmsmith.com		1947	05-599-0261	
8. FORMER FIRM NAME(S) (if any)						
Camp Dresser & McKee; Camp Dresser & McKee Inc.						
9. EMPLOYEES BY DISCIPLINE					10. PROFILE OF FIRMS EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS	
a. FUNCTION CODE	b. DISCIPLINE	c. NO. OF EMPLOYEES		a. PROFILE CODE	b. EXPERIENCE	c. REVENUE INDEX NUMBER (see below)
		(1) FIRM	(2) BRANCH			
06	Architect	32	-	A12	Automation; Controls; Instrumentation	8
08	CADD Technician	202	1	C15	Construction Management	10
12	Civil Engineer	426	-	C18	Cost Estimating; Cost Engineering	6
15	Construction Inspector	285	2	E03	Electrical Studies and Design	8
16	Construction Manager	198	8	E09	Environmental Impact Studies	8
18	Cost Estimator	54	-	E12	Environmental Remediation	10
21	Electrical Engineer	126	4	E13	Environmental Testing and Analysis	8
23	Environmental Engineer	592	7	H07	Highways; Streets; Airfield Paving; Parking Lots	9
24	Environmental Scientist	240	-	P06	Planning (Site, Installation, and Project)	9
29	Geographic Information System Specialist	91	1	P07	Plumbing & Piping Design	9
30	Geologist	176	1	R06	Rehabilitation (Buildings; Structures; Facilities)	10
27	Geotechnical Engineer	108	-	R11	Rivers; Canals; Waterways; Flood Control	7
32	Hydraulic Engineer	109	1	S04	Sewage Collection, Treatment and Disposal	10
34	Hydrologist	168	4	S05	Soils & Geologic Studies; Foundations	9
42	Mechanical Engineer	65	-	S07	Solid Wastes; Incineration; Landfill	8
47	Planner	222	1	S09	Structural Design; Special Structures	8
52	Sanitary Engineer	67	1	S11	Sustainable Design	8
57	Structural Engineer	132	1	S13	Storm Water Handling & Facilities	9
58	Technician	432	-	T03	Traffic & Transportation Engineering	8
60	Transportation Engineer	98	-	U04	Utility Design/Coordination/Inspection	9
	Other	851	9	W02	Water Resources; Hydrology; Groundwater	10
TOTAL		4,674	41	W03	Water Supply; Treatment and Distribution	10
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)				PROFESSIONAL SERVICES REVENUE INDEX NUMBER		
a. FEDERAL WORK	10	1. Less than \$100,000		6. \$2 million to less than \$5 million		
b. NON-FEDERAL WORK	10	2. \$100,000 to less than \$250,000		7. \$5 million to less than \$10 million		
		3. \$250,000 to less than \$500,000		8. \$10 million to less than \$25 million		
c. TOTAL WORK	10	4. \$500,000 to less than \$1 million		9. \$25 million to less than \$50 million		
		5. \$1 million to less than \$2 million		10. \$50 million or greater		
12. AUTHORIZED REPRESENTATIVE. The foregoing is a statement of facts.						
a. SIGNATURE		b. DATE		c. NAME AND TITLE		
		January 11, 2019		Suzanne E. Mechler, PE, BCEE; Principal		

Architect-Engineer Qualifications

PART II – CONTRACT-SPECIFIC QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)			1. SOLICITATION NUMBER (if any):	
2a. FIRM (OR BRANCH OFFICE) NAME			2019-007	
CDM Smith Inc.			3. YEAR ESTABLISHED	4. DUNS NUMBER
2b. STREET			1947	05-599-0261
800 Brickell Avenue, Suite 500			5. OWNERSHIP	
2c. CITY	2d. STATE	2e. ZIP	a. TYPE	b. SMALL BUSINESS STATUS:
Miami	FL	33131	Corporation	Large Business
6a. POINT OF CONTACT NAME AND TITLE			7. NAME OF FIRM (if block 2a is a branch office)	
Ignacio L. Lizama, PE, ENV SP; Vice President			CDM Smith Inc.	
6b. TELEPHONE NUMBER:		6c. E-MAIL ADDRESS:	8b. YR. ESTABLISHED	8c. DUNS NUMBER
305.372.7171		lizamail@cdmsmith.com	1947	05-599-0261
8. FORMER FIRM NAME(S) (if any)				
Camp Dresser & McKee; Camp Dresser & McKee Inc.				

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRMS EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. FUNCTION CODE	b. DISCIPLINE	c. NO. OF EMPLOYEES		a. PROFILE CODE	b. EXPERIENCE	c. REVENUE INDEX NUMBER (see below)
		(1) FIRM	(2) BRANCH			
06	Architect	32	-	A12	Automation; Controls; Instrumentation	8
08	CADD Technician	202	-	C15	Construction Management	10
12	Civil Engineer	426	2	C18	Cost Estimating; Cost Engineering	6
15	Construction Inspector	285	-	E03	Electrical Studies and Design	8
16	Construction Manager	198	-	E09	Environmental Impact Studies	8
18	Cost Estimator	54	-	E12	Environmental Remediation	10
21	Electrical Engineer	126	-	E13	Environmental Testing and Analysis	8
23	Environmental Engineer	592	6	H07	Highways; Streets; Airfield Paving; Parking Lots	9
24	Environmental Scientist	240	-	P06	Planning (Site, Installation, and Project)	9
29	Geographic Information System Specialist	91	-	P07	Plumbing & Piping Design	9
30	Geologist	176	1	R06	Rehabilitation (Buildings; Structures; Facilities)	10
27	Geotechnical Engineer	108	-	R11	Rivers; Canals; Waterways; Flood Control	7
32	Hydraulic Engineer	109	-	S04	Sewage Collection, Treatment and Disposal	10
34	Hydrologist	168	-	S05	Soils & Geologic Studies; Foundations	9
42	Mechanical Engineer	65	-	S07	Solid Wastes; Incineration; Landfill	8
47	Planner	222	2	S09	Structural Design; Special Structures	8
52	Sanitary Engineer	67	2	S11	Sustainable Design	8
57	Structural Engineer	132	-	S13	Storm Water Handling & Facilities	9
58	Technician	432	-	T03	Traffic & Transportation Engineering	8
60	Transportation Engineer	98	-	U04	Utility Design/Coordination/Inspection	9
	Other	851	2	W02	Water Resources; Hydrology; Groundwater	10
TOTAL		4,674	15	W03	Water Supply; Treatment and Distribution	10

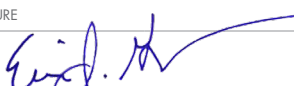
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. FEDERAL WORK	10	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. NON-FEDERAL WORK	10	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. TOTAL WORK	10	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater
12. AUTHORIZED REPRESENTATIVE. The foregoing is a statement of facts.			
a. SIGNATURE	b. DATE	c. NAME AND TITLE	
	January 11, 2019	Ignacio L. Lizama, PE, ENV SP; Vice President	

Architect-Engineer Qualifications

PART II – CONTRACT-SPECIFIC QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)			1. SOLICITATION NUMBER (if any):	
2a. FIRM (OR BRANCH OFFICE) NAME			2019-007	
CDM Smith Inc.			3. YEAR ESTABLISHED	4. DUNS NUMBER
2b. STREET			1947	05-599-0261
101 Southhall Lane, Suite 200			5. OWNERSHIP	
2c. CITY	2d. STATE	2e. ZIP	a. TYPE	b. SMALL BUSINESS STATUS:
Maitland	FL	32751	Corporation	Large Business
6a. POINT OF CONTACT NAME AND TITLE			7. NAME OF FIRM (if block 2a is a branch office)	
Eric J. Grotke, PE, BCEE; Vice President			CDM Smith Inc.	
6b. TELEPHONE NUMBER:		6c. E-MAIL ADDRESS:	8b. YR. ESTABLISHED	8c. DUNS NUMBER
407.660.2552		grotkeej@cdmsmith.com	1947	05-599-0261
8. FORMER FIRM NAME(S) (if any)				
Camp Dresser & McKee; Camp Dresser & McKee Inc.				

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRMS EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. FUNCTION CODE	b. DISCIPLINE	c. NO. OF EMPLOYEES		a. PROFILE CODE	b. EXPERIENCE	c. REVENUE INDEX NUMBER (see below)
		(1) FIRM	(2) BRANCH			
06	Architect	32	6	A12	Automation; Controls; Instrumentation	8
08	CADD Technician	202	17	C15	Construction Management	10
12	Civil Engineer	426	15	C18	Cost Estimating; Cost Engineering	6
15	Construction Inspector	285	33	E03	Electrical Studies and Design	8
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24	Environmental Scientist	240	5	P06	Planning (Site, Installation, and Project)	9
29	Geographic Information System Specialist	91	1	P07	Plumbing & Piping Design	9
30	Geologist	176	3	R06	Rehabilitation (Buildings; Structures; Facilities)	10
27	Geotechnical Engineer	108	1	R11	Rivers; Canals; Waterways; Flood Control	7
32	Hydraulic Engineer	109	2	S04	Sewage Collection, Treatment and Disposal	10
34	Hydrologist	168	7	S05	Soils & Geologic Studies; Foundations	9
42	Mechanical Engineer	65	3	S07	Solid Wastes; Incineration; Landfill	8
47	Planner	222	19	S09	Structural Design; Special Structures	8
52	Sanitary Engineer	67	3	S11	Sustainable Design	8
57	Structural Engineer	132	7	S13	Storm Water Handling & Facilities	9
58	Technician	432	21	T03	Traffic & Transportation Engineering	8
60	Transportation Engineer	98	4	U04	Utility Design/Coordination/Inspection	9
	Other	851	29	W02	Water Resources; Hydrology; Groundwater	10
TOTAL		4,674	216	W03	Water Supply; Treatment and Distribution	10

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. FEDERAL WORK	10	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. NON-FEDERAL WORK	10	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. TOTAL WORK	10	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater
12. AUTHORIZED REPRESENTATIVE. The foregoing is a statement of facts.			
a. SIGNATURE	b. DATE	c. NAME AND TITLE	
	January 11, 2019	Eric J. Grotke, PE, BCEE; Vice President	

Architect-Engineer Qualifications

PART II – CONTRACT-SPECIFIC QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)					1. SOLICITATION NUMBER (if any):	
2a. FIRM (OR BRANCH OFFICE) NAME					2019-007	
CDM Smith Inc.					3. YEAR ESTABLISHED	4. DUNS NUMBER
2b. STREET					1947	05-599-0261
5965 Cattlemen Lane					5. OWNERSHIP	
2c. CITY	2d. STATE	2e. ZIP	a. TYPE	b. SMALL BUSINESS STATUS:		
Sarasota	FL	34232	Corporation	Large Business		
6a. POINT OF CONTACT NAME AND TITLE					7. NAME OF FIRM (if block 2a is a branch office)	
Amelia H. Davies; Associate					CDM Smith Inc.	
6b. TELEPHONE NUMBER:		6c. E-MAIL ADDRESS:		8b. YR. ESTABLISHED	8c. DUNS NUMBER	
941.366.8108		daviesah@cdmsmith.com		1947	05-599-0261	
8. FORMER FIRM NAME(S) (if any)						
Camp Dresser & McKee; Camp Dresser & McKee Inc.						
9. EMPLOYEES BY DISCIPLINE					10. PROFILE OF FIRMS EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS	
a. FUNCTION CODE	b. DISCIPLINE	c. NO. OF EMPLOYEES		a. PROFILE CODE	b. EXPERIENCE	c. REVENUE INDEX NUMBER (see below)
		(1) FIRM	(2) BRANCH			
06	Architect	32	-	A12	Automation; Controls; Instrumentation	8
08	CADD Technician	202	-	C15	Construction Management	10
12	Civil Engineer	426	1	C18	Cost Estimating; Cost Engineering	6
15	Construction Inspector	285	7	E03	Electrical Studies and Design	8
16	Construction Manager	198	-	E09	Environmental Impact Studies	8
18	Cost Estimator	54	-	E12	Environmental Remediation	10
21	Electrical Engineer	126	-	E13	Environmental Testing and Analysis	8
23	Environmental Engineer	592	1	H07	Highways; Streets; Airfield Paving; Parking Lots	9
24	Environmental Scientist	240	-	P06	Planning (Site, Installation, and Project)	9
29	Geographic Information System Specialist	91	-	P07	Plumbing & Piping Design	9
30	Geologist	176	-	R06	Rehabilitation (Buildings; Structures; Facilities)	10
27	Geotechnical Engineer	108	-	R11	Rivers; Canals; Waterways; Flood Control	7
32	Hydraulic Engineer	109	-	S04	Sewage Collection, Treatment and Disposal	10
34	Hydrologist	168	-	S05	Soils & Geologic Studies; Foundations	9
42	Mechanical Engineer	65	-	S07	Solid Wastes; Incineration; Landfill	8
47	Planner	222	-	S09	Structural Design; Special Structures	8
52	Sanitary Engineer	67	-	S11	Sustainable Design	8
57	Structural Engineer	132	1	S13	Storm Water Handling & Facilities	9
58	Technician	432	-	T03	Traffic & Transportation Engineering	8
60	Transportation Engineer	98	1	U04	Utility Design/Coordination/Inspection	9
	Other	851	1	W02	Water Resources; Hydrology; Groundwater	10
TOTAL		4,674	12	W03	Water Supply; Treatment and Distribution	10
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)				PROFESSIONAL SERVICES REVENUE INDEX NUMBER		
a. FEDERAL WORK	10	1. Less than \$100,000		6. \$2 million to less than \$5 million		
b. NON-FEDERAL WORK	10	2. \$100,000 to less than \$250,000		7. \$5 million to less than \$10 million		
		3. \$250,000 to less than \$500,000		8. \$10 million to less than \$25 million		
c. TOTAL WORK	10	4. \$500,000 to less than \$1 million		9. \$25 million to less than \$50 million		
		5. \$1 million to less than \$2 million		10. \$50 million or greater		
12. AUTHORIZED REPRESENTATIVE. The foregoing is a statement of facts.						
a. SIGNATURE		b. DATE		c. NAME AND TITLE		
Amelia H. Davies		January 11, 2019		Amelia H. Davies; Associate		


Architect-Engineer Qualifications

PART II – CONTRACT-SPECIFIC QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)					1. SOLICITATION NUMBER (if any):	
2a. FIRM (OR BRANCH OFFICE) NAME					2019-007	
CDM Smith Inc.					3. YEAR ESTABLISHED	4. DUNS NUMBER
2b. STREET					1947	05-599-0261
4210 Metro Parkway, Suite 230					5. OWNERSHIP	
2c. CITY	2d. STATE	2e. ZIP	a. TYPE	b. SMALL BUSINESS STATUS:		
Fort Myers	FL	33916	Corporation	Large Business		
6a. POINT OF CONTACT NAME AND TITLE					7. NAME OF FIRM (if block 2a is a branch office)	
Amelia H. Davies; Associate					CDM Smith Inc.	
6b. TELEPHONE NUMBER:		6c. E-MAIL ADDRESS:		8b. YR. ESTABLISHED	8c. DUNS NUMBER	
239.938.9600		daviesah@cdmsmith.com		1947	05-599-0261	
8. FORMER FIRM NAME(S) (if any)						
Camp Dresser & McKee; Camp Dresser & McKee Inc.						
9. EMPLOYEES BY DISCIPLINE					10. PROFILE OF FIRMS EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS	
a. FUNCTION CODE	b. DISCIPLINE	c. NO. OF EMPLOYEES		a. PROFILE CODE	b. EXPERIENCE	c. REVENUE INDEX NUMBER (see below)
		(1) FIRM	(2) BRANCH			
06	Architect	32	-	A12	Automation; Controls; Instrumentation	8
08	CADD Technician	202	-	C15	Construction Management	10
12	Civil Engineer	426	1	C18	Cost Estimating; Cost Engineering	6
15	Construction Inspector	285	4	E03	Electrical Studies and Design	8
16	Construction Manager	198	1	E09	Environmental Impact Studies	8
18	Cost Estimator	54	-	E12	Environmental Remediation	10
21	Electrical Engineer	126	-	E13	Environmental Testing and Analysis	8
23	Environmental Engineer	592	6	H07	Highways; Streets; Airfield Paving; Parking Lots	9
24	Environmental Scientist	240	-	P06	Planning (Site, Installation, and Project)	9
29	Geographic Information System Specialist	91	-	P07	Plumbing & Piping Design	9
30	Geologist	176	-	R06	Rehabilitation (Buildings; Structures; Facilities)	10
27	Geotechnical Engineer	108	-	R11	Rivers; Canals; Waterways; Flood Control	7
32	Hydraulic Engineer	109	-	S04	Sewage Collection, Treatment and Disposal	10
34	Hydrologist	168	1	S05	Soils & Geologic Studies; Foundations	9
42	Mechanical Engineer	65	-	S07	Solid Wastes; Incineration; Landfill	8
47	Planner	222	2	S09	Structural Design; Special Structures	8
52	Sanitary Engineer	67	1	S11	Sustainable Design	8
57	Structural Engineer	132	-	S13	Storm Water Handling & Facilities	9
58	Technician	432	-	T03	Traffic & Transportation Engineering	8
60	Transportation Engineer	98	-	U04	Utility Design/Coordination/Inspection	9
	Other	851	2	W02	Water Resources; Hydrology; Groundwater	10
TOTAL		4,674	18	W03	Water Supply; Treatment and Distribution	10
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)				PROFESSIONAL SERVICES REVENUE INDEX NUMBER		
a. FEDERAL WORK	10	1. Less than \$100,000		6. \$2 million to less than \$5 million		
b. NON-FEDERAL WORK	10	2. \$100,000 to less than \$250,000		7. \$5 million to less than \$10 million		
		3. \$250,000 to less than \$500,000		8. \$10 million to less than \$25 million		
c. TOTAL WORK	10	4. \$500,000 to less than \$1 million		9. \$25 million to less than \$50 million		
		5. \$1 million to less than \$2 million		10. \$50 million or greater		
12. AUTHORIZED REPRESENTATIVE. The foregoing is a statement of facts.						
a. SIGNATURE	b. DATE	c. NAME AND TITLE				
Amelia H. Davies	January 11, 2019	Amelia H. Davies; Associate				

Architect-Engineer Qualifications

PART II – CONTRACT-SPECIFIC QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)					1. SOLICITATION NUMBER (if any):	
2a. FIRM (OR BRANCH OFFICE) NAME					2019-007	
CDM Smith Inc.					3. YEAR ESTABLISHED	4. DUNS NUMBER
2b. STREET					1947	05-599-0261
3200 Windy Hill Road, Suite 210 West					5. OWNERSHIP	
2c. CITY	2d. STATE	2e. ZIP	a. TYPE	b. SMALL BUSINESS STATUS:		
Atlanta	GA	30339	Corporation	Large Business		
6a. POINT OF CONTACT NAME AND TITLE					7. NAME OF FIRM (if block 2a is a branch office)	
David L. Collins, PE, BCEE; Vice President					CDM Smith Inc.	
6b. TELEPHONE NUMBER:		6c. E-MAIL ADDRESS:		8b. YR. ESTABLISHED	8c. DUNS NUMBER	
704.208.2215		collinsdl@cdmsmith.com		1947	05-599-0261	
8. FORMER FIRM NAME(S) (if any)						
Camp Dresser & McKee; Camp Dresser & McKee Inc.						
9. EMPLOYEES BY DISCIPLINE					10. PROFILE OF FIRMS EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS	
a.	b. DISCIPLINE	c. NO. OF EMPLOYEES		a. PROFILE CODE	b. EXPERIENCE	c. REVENUE INDEX NUMBER (see below)
		(1) FIRM	(2) BRANCH			
06	Architect	32	-	A12	Automation; Controls; Instrumentation	8
08	CADD Technician	202	1	C15	Construction Management	10
12	Civil Engineer	426	3	C18	Cost Estimating; Cost Engineering	6
15	Construction Inspector	285	1	E03	Electrical Studies and Design	8
16	Construction Manager	198	10	E09	Environmental Impact Studies	8
18	Cost Estimator	54	1	E12	Environmental Remediation	10
21	Electrical Engineer	126	-	E13	Environmental Testing and Analysis	8
23	Environmental Engineer	592	2	H07	Highways; Streets; Airfield Paving; Parking Lots	9
24	Environmental Scientist	240	5	P06	Planning (Site, Installation, and Project)	9
29	Geographic Information System Specialist	91	1	P07	Plumbing & Piping Design	9
30	Geologist	176	-	R06	Rehabilitation (Buildings; Structures; Facilities)	10
27	Geotechnical Engineer	108	1	R11	Rivers; Canals; Waterways; Flood Control	7
32	Hydraulic Engineer	109	1	S04	Sewage Collection, Treatment and Disposal	10
34	Hydrologist	168	-	S05	Soils & Geologic Studies; Foundations	9
42	Mechanical Engineer	65	5	S07	Solid Wastes; Incineration; Landfill	8
47	Planner	222	-	S09	Structural Design; Special Structures	8
52	Sanitary Engineer	67	1	S11	Sustainable Design	8
57	Structural Engineer	132	-	S13	Storm Water Handling & Facilities	9
58	Technician	432	2	T03	Traffic & Transportation Engineering	8
60	Transportation Engineer	98	-	U04	Utility Design/Coordination/Inspection	9
	Other	851	19	W02	Water Resources; Hydrology; Groundwater	10
TOTAL		4,674	53	W03	Water Supply; Treatment and Distribution	10
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)				PROFESSIONAL SERVICES REVENUE INDEX NUMBER		
a. FEDERAL WORK	10	1. Less than \$100,000		6. \$2 million to less than \$5 million		
b. NON-FEDERAL WORK	10	2. \$100,000 to less than \$250,000		7. \$5 million to less than \$10 million		
		3. \$250,000 to less than \$500,000		8. \$10 million to less than \$25 million		
c. TOTAL WORK	10	4. \$500,000 to less than \$1 million		9. \$25 million to less than \$50 million		
		5. \$1 million to less than \$2 million		10. \$50 million or greater		
12. AUTHORIZED REPRESENTATIVE. The foregoing is a statement of facts.						
a. SIGNATURE		b. DATE		c. NAME AND TITLE		
		January 11, 2019		David L. Collins, PE, BCEE; Vice President		

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ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

2019-007

PART II – GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME Engenuity Group, Inc.			3. YEAR ESTABLISHED 1978		4. DUNS NUMBER 099072266	
2b. STREET 1280 North Congress Avenue, Suite 101			5. OWNERSHIP a. TYPE Corporation			
2c. CITY West Palm Beach		2d. STATE FL				
6a. POINT OF CONTACT NAME AND TITLE C. Andre Rayman, PSM - President			b. SMALL BUSINESS STATUS Certified SBE			
6b. TELEPHONE NUMBER (561) 655-1151		6c. E-MAIL ADDRESS arayman@engenuitygroup.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	
SFRN, Inc.			1980		099072266	
Shalloway, Inc.			1978			
Shalloway, Foy, Schofield, Rayman & Newell, Inc.			1986			
Shalloway, Foy, Rayman & Newell, Inc.			1939			

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees	
		(1) FIRM	(2) BRANCH
02	Administrators	4	
12	Civil Engineers	8	
38	Surveyors	15	
29	GIS	1	
	Other Employees		
	Total	28	0

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)
T04	City of Palm Beach Gardens	2
C10	Oxygen Development	2
C11	Palm Beach Gardens EEOC	1
C18	Village of North Palm Beach	1
G04	Town Of Ocean Ridge	1
H07	PBIA Airport	3
H09	St Mary's Hospital	1
H05	Amy's Place	1
I01	Pero Farms	1
L02	Village of Wellington	3
O01	Department of Homeland Security Office Building	1
C02	South Florida National Cemetery	2
C16	Lake Ida Drainage Improvements	1
S10	Village of Wellington	2
S13	Ocean Ridge South Phase	2
I06	Rushy Marsh Farms	1
R04	Citrus Grove Community Park	1
H11	Bay Colony	1

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

<p>a. SIGNATURE</p> 	<p>b. DATE</p> <p>January 4, 2019</p>
<p>c. NAME AND TITLE</p> <p>C. Andre Rayman, PSM - President</p>	

TAB 6

Approach, Capacity, and Organizational Information



Tab 6

Approach, Capacity, and Organizational Information

Delray Beach is a Progressive Community Focusing on High Quality Emergency and Response Services

While emergency services are historically taken for granted by the public, until of course they are needed, it is one of a municipality's most valued services. This Owners' Representative Services Request for Qualifications (RFQ) is an opportunity to further support the City in the development of a new fire facility, Fire Station 113, and an emergency operations center that will provide continuous support services to the community and improve the quality of life for its citizens.

The City wishes to construct a new fire facility and emergency operations center on the existing Fire-Rescue Station No. 3 site utilizing a design-build delivery method. CDM Smith supported this effort by preparing the design criteria package under our existing Program Management contract with the City. This RFQ will provide the City a Consultant to deliver owners' representative services with the primary role of managing and administering capital improvement projects (CIPs). The scope of services includes support and advice to the City in project related matters, overseeing the work of the design-build team, and coordinating and communicating with City staff and local governmental and non-governmental agencies. The Consultant will provide a full range of services including construction, engineering, and inspection services; assistance with selection of the design-build team; monitoring of the design completion; and oversight of the construction contract process. CDM Smith understands the City's goals under this owners' representative contract, and our team is available, local, and qualified to provide quality solutions.

6.1 Approach to Delivering the Owners' Representative Services

Our team has a strong background in the management of construction management contracts and brings expertise in oversight of design-build projects.

Our owners' representative approach is to use management processes, tools, and skills developed and implemented on the first day of the project to set the stage for the City to successfully implement this design-build project through completion of the term of their contract. Our plan to fulfill the requirements of the Owners' Representative Services RFQ is to provide support to the City with various design-build options, assist with execution of the contract and negotiation with the design-build firm, and to monitor and administer throughout the course of the project. Building collaborative working relationships with City staff and the design-build firm at the very beginning will help to establish goals and objectives; understand City processes and procedures; provide recommendations for tools, processes, and systems that will support a well-executed project; improve project progress; reduce overall costs; and develop future opportunities for design-build contracts.

We offer the following experience highlights:

Experience that Matters – Our strongest asset to the City is our entire team's unmatched experience with local design-build and facilities projects including the Palm Beach County Water Utilities Department Central Monitoring Facility, Solid Waste Authority of Palm Beach County Biosolids Pelletization Facility and, most recently, the City of Boynton Beach East Water Treatment Plant Project. All these projects included municipal facilities that are similar to the needs and requirements of this project.

Dynamic Cost Modeling/Tracking – Our experience serving several municipalities on projects has allowed us to develop an in-depth understanding of not only the documentation required for design-build projects but also the compliance requirements with pricing and how the cost is developed and tracked throughout the project. **Figure 6.1-1** demonstrates the process and our understanding will provide the City with cost control and best value. CDM Smith will focus on the Design-Builder's adherence to

City design criteria and building department compliance through project close-out.

Contractor's Perspective – CDM Smith brings the City a contractor's perspective through our construction arm, CDM Constructors Inc. (CCI). CCI is a wholly owned subsidiary of CDM Smith that executes construction throughout the United States, with more than \$1.2B in construction in the past 10 years. This construction expertise means CCI will bring a contractor's perspective to the review of the design-builder cost estimates and constructability reviews of the plans and specifications.

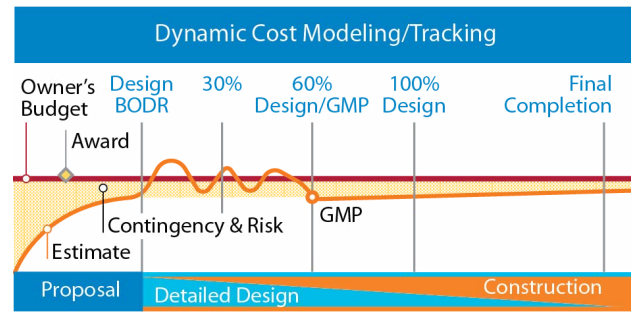


Figure 6.1-1: CDM Smith will collaborate with the City to develop each project to fit within the available budget.

The key aspects of the design-build approach include a requirement to “design to budget” at several intermediate milestone points in the design process, a schedule driven process, and the integration of a contractor's perspective into the design process. Our owners' representation approach to design-build, shown in **Figure 6.1-2**, takes proactive steps through a collaborative effort between the owners' representative and the Design-Builder to control costs and schedule while minimizing risk through the following actions:

- Integrate design and construction through pre-construction services during design development by providing constructability input throughout the design process.
- Support the design-build firm to “design to budget” as the plans and specifications are further developed beyond the current design-criteria package level.
- Provide independent contractor-developed (CCI) cost estimates at 30, 60, and 90 percent designs to compare with design-build developed cost estimates.
- Conduct independent constructability reviews at 30, 60, and 90 percent completion points to lower the risk of constructability problems with the final design.
- Include, as appropriate, owner-controlled contingency so that the City is able to maximize the project value and reduce uncertainty and risk during construction.
- Collaborate between the City and the design-build firm to deliver the design through workshops and collaboration between all stakeholders.



Figure 6.1-2: CDM Smith takes proactive steps through a collaborative effort between the owners' representative and the Design-Builder to control costs and schedule.

CDM Smith understands the challenges facing the City relative to executing this design-build project with limited staff, hard budget, an aggressive schedule, and critical infrastructure for emergencies. Although the site layout and building envelope may currently be identified in the design criteria package, final resolution of the layout and implementation of all the critical needs of the facility still need to be fully resolved. The two most critical issues that present the greatest risk to the success of the project that we can control are cost and schedule. Cost and schedule are the two factors that typically can be addressed most effectively by alternative project delivery approaches.

The critical factors that make for successful oversight and management of a LEED-certified Fire Station via design-build delivery include:

- Early and frequent coordination with stakeholders to ensure that the design and construction meet the needs of the Fire Department and City, specifically relating to:
 - Identification of risks and hazards and implementing health and safety measures in the design to mitigate them
 - Prioritization and scope of functions and capabilities of the station
 - Community concerns and preferences
 - Utilization of space, with respect to the site accommodating apparatus accessibility and maintenance, personnel parking, personnel training, garbage disposal and collection, emergency power and public pedestrian and traffic safety, and with respect to the facility accommodating apparatus accessibility, personnel traffic, and separate suitably conditioned spaces for apparatus, hazardous materials and battery charging equipment, and personnel fitness, kitchen, and living spaces
 - Compliance with applicable OSHA, NFPA, and ADA regulations
 - Compliance with code requirements for hurricane and flood
- Establishing and maintaining a project Website and promoting community involvement
- Continually monitoring and administering the design and construction processes to ensure compliance with the City's needs and with the project schedule and budget
- Continually monitoring for proper documentation and implementation of all materials and methods of construction necessary to fulfill the LEED certification requirements
- Full-time construction monitoring to ensure that the work is in accordance with the approved design



LEED® Certified Projects



1. Catawba County Biodiesel Research Facility, Catawba County, NC – LEED® Silver Certified
2. Solid Waste Authority of Palm Beach County Operations and Maintenance Building, Palm Beach County, FL – LEED® Silver Certified
3. Dania Beach Public Services Nanofiltration WTP Operations Building, Design-Build, Dania Beach, FL – LEED® Gold Certified
4. Solid Waste Authority of Palm Beach County Waste-to-Energy, Design-Build, Visitor Center, Palm Beach County, FL – LEED® Platinum Certified
5. Florence WWTP Administration Building, Florence, SC – LEED® Gold Certified

- Coordination of construction activities to maintain access and functionality of existing, operating facilities
- Proper testing and commissioning of all systems and thorough training of department personnel prior to acceptance and occupancy by the City and Department
- CDM Smith has assembled an experienced team that will manage these critical factors and deliver a successful project

6.2 Capacity to Perform the Services

6.2.1 Resources

CDM Smith has resource availability to handle acute short-term spikes in workload, and our past track record indicates that we have been successful in effectively handling multiple projects concurrently. **Table 6.2.1-1** lists ongoing projects in our Boca Raton office.

6.2.2 Subconsultants

Reporting and Communication

The success of any project is tied to the ability to communicate proactively. CDM Smith will provide concise, timely information to the City fire chief and management for further information to City Manager, City Commissioners, regulators, general public, and other stakeholders to build a level of trust and credibility. Methods of sharing information will be tailored to the needs of the various stakeholders as well as the possible need to maintain confidentiality with certain types of information. We have included **The Merchant Strategy, Inc.** on our team to support and develop educational and outreach material for the overall community as well as **Engenuity Group, Inc.**, who will check or perform survey control baseline(s) and perform incidental survey, as needed.

6.2.3 Workload

CDM Smith has immediate availability and capacity to assist the City. With a large pool of professionals, our team is able to work efficiently to complete any project assigned under this contract in a timely manner.

We have assembled a strong group of professionals and support personnel in the Boca Raton office to deliver work to our clients. Although we effectively manage our workload and staff, applying their expertise to multiple projects based on current requirements, we can also offer the City the reassurance that CDM Smith has over 5,000 staff members firmwide and nearly 400 in Florida that could contribute in the event we need to exert extra efforts to complete the assigned project work.

This project is a priority to CDM Smith. *David M. Mastran is available full-time and all other resources have part-time availability.* Suzanne has the corporate authority to gather resources of a wide range of experience and competencies. Our firm has ample capacity to provide personal and balanced workload. It is what we do day-in and day-out. We keep our client's happy and repeat business is over 85 percent.

TABLE 6.2.1-1: CDM SMITH'S COMPLETED AND ACTIVE PROJECTS WITHIN THE PAST FIVE YEARS

Client Name	Project Name	Completion Date	Status
Broward County	Retail Potable Water and Wastewater Master Plan	March 2017	Completed
	North Regional Wastewater Treatment Pumping System and Septage Receiving Facility Updating		
	Controls Upgrade Master Pump Station	December 2018	Completed
	Master Billing Meters	December 2018	Completed
	Master Pump Station 450	December 2018	Completed

TABLE 6.2.1-1: CDM SMITH'S COMPLETED AND ACTIVE PROJECTS WITHIN THE PAST FIVE YEARS

Client Name	Project Name	Completion Date	Status
	Master Pump Station 456	December 2018	Completed
	Master Pump Station 221	January 2019	Active
	Master Pump Station 454	May 2020	Active
	Septage Building	September 2018	Completed
	Water Treatment and Raw Water Production Systems		
	CDMS 13-01 WTP 1A Four Log - PA	September 2016	Completed
	CDMS 13-02 WTP 2A Four Log - PA	September 2016	Completed
	CDMS 13-03 General Incidental Services: Well 3, Backwash, Tower, Tower, Rendering, Wells	September 2016	Completed
	CDMS 13-04 WTP 1A Switchgear 2 Replacement – DN PR BD CMS	December 2018	Completed
	CDMS 13-05 Water System Operations Analysis of District 1 – Technical Memorandum	October 2017	Completed
	CDMS 13-06 New Booster Pumping Station for System 3A Technical Design Memorandum	March 2019	Active
	CDMS 13-07 Feasibility Letter Report for a System 3A Membrane Treatment	October 2017	Completed
	CDMS 13-08 WTP 1A Water Storage Tank Engineering Services During Construction	December 2016	Completed
	CDMS 13-09 Generator EPA Tier 4 Evaluation Memorandum	January 2018	Completed
	CDMS 13-10 GST 1A-1 and 1B-1 Generator Replacement DN PR BD GS	December 2018	Completed
	CDMS 13-11 Water Treatment Plant 2A Electrical Basis of Design Report	December 2016	Completed
	CDMS 13-12 3A Facility Demonstration of Four-Log Virus Treatment – PA	September 2016	Completed
	CDMS 13-13 Administration Building SCADA Floor Crack Evaluation	January 2016	Completed
	CDMS 13-14 Water Storage Tank Demolition at 1A-1B2-LS310 _ DN PR BD CMS	February 2018	Completed
	CDMS 13-15 3A Facility Four-Log Virus Treatment System - DN PR BD	December 2018	Completed
	CDMS 13-16 New Booster Pumping Station for System 3A DN PR BD CMS	March 2019	Active
	CDMS 13-17 Facility 3A Lime Process Demolition DN PR BD CMS	December 2018	Completed
	CDMS 13-18 Administrative Building Roof Replacement DN PR BD GS	December 2017	Completed
	CDMS 13-19 WWS Building 2 thru 6 Roof Replacement DN PR BD CMS	October 2018	Completed
	CDMS 13-21 3B3C 4-Log Modeling	July 2019	Active
	CDMS 13-22 2A Electrical DN PR BD	December 2019	Active
	CDMS 13-24 The Everglades Holiday Park Lead and Copper – Letter of Findings	January 2018	Completed
	CDMS 13-25 2A Ammonia Investigation	June 2017	Completed

TABLE 6.2.1-1: CDM SMITH'S COMPLETED AND ACTIVE PROJECTS WITHIN THE PAST FIVE YEARS

Client Name	Project Name	Completion Date	Status
	CDMS 13-26 1A 2A Treatment Unit Rehabilitation	July 2018	Completed
	CDMS 13-27 3B Facility	April 2019	Active
	CDMS 13-28 WTP 2A TU#1 TURBINE	May 2018	Completed
	North Regional Wastewater Treatment Plant Electrical Load Center and Motor Control Centers Rehabilitation	December 2018	Completed
City of Boca Raton	WTP Residuals Project	July 2018	Completed
	Water Main Criticality Assessment	July 2017	Completed
	Continued Wellfield Technical Support – Year 1	March 2018	Completed
	Continued Wellfield Technical Support – Year 2	March 2019	Active
City of Boynton Beach	Design Build Ion Exchange Resin Plant	June 2018	Completed
City of Delray Beach	Fire Station No. 113 DCP	November 2018	Completed
	Stormwater Utility Support	August 2018	Completed
	Capital Needs Analysis Summary Report	June 2019	Active
City of Fort Lauderdale	GTL Operating Permit	December 2016	Completed
	GTL Large Diameter	December 2016	Completed
Miami-Dade Water and Sewer Department	Consent Decree WWTPs		
	CD 1.07 SDWWTP Digester E&I	June 2018	Completed
	CD 1.08 SDWWTP Dewatering E&I	June 2018	Completed
	CD 1.09 SDWWTP Fog Facility ESDC	November 2018	Completed
	CD 2.15 CDWWTP Digester Design and ESDC	August 2018	Completed
	CD 2.16 CDWWTP Dewatering	December 2016	Completed
	CD 2.19 CDWWTP Co-Gen Facility TM, Design and ESDC	November 2019	Active
	CD 2.27 CRWWTP DEV RDBS Oxygen Production	March 2018	Completed
	CD 3.02 NDWWTP Primary Clarifier Design and ESDC	July 2018	Completed
	CD 3.05 NDWWTP Primary and Secondary Clarifiers Design and ESDC	June 2018	Completed
	CD 4.8 Design of 54" PCCP FM Rehab	December 2016	Completed
	CD 5.3 Pump Station 692 Improvements	July 2019	Active
	Ocean Outfall Legislation for WWTP Program		
	Effluent Loop	June 2018	Completed

TABLE 6.2.1-1: CDM SMITH'S COMPLETED AND ACTIVE PROJECTS WITHIN THE PAST FIVE YEARS

Client Name	Project Name	Completion Date	Status
	SDWWTP Improvements	May 2019	Active
	South Miami Heights WTP		
	SMH WTP Design Build Operate Finance Procurement	December 2016	Completed
	SMH WTP Design Build Operate Finance Services During Construction	May 2018	Completed
	SMH WTP Design Build Operate Finance Preparation of RDBS	March 2019	Active
	Extension of Deep Well Transmission	December 2016	Completed
	Small Diameter Watermain Risk Prioritization For MDWASD	December 2017	Completed
Miami-Dade Aviation Department	Miami Stormwater Atlas	December 2018	Completed
	OPF SWMPU	June 2019	Active
	TMB SWMPU	October 2019	Active
Palm Beach County Water Utilities Department	Hurricane Hardening/Disaster Recovery	October 2018	Completed
	Sanitary Sewer Evaluation Study	October 2018	Completed
Seacoast Utility Authority	HRWTP Membrane Conversion Construction Services	February 2016	Completed
Solid Waste Authority	Waste-to-Energy Mass Burn Design Services	April 2016	Completed
	Drop-off Center Construction Services	May 2016	Completed
	Class I Landfill 15&16/Eastern	October 2016	Completed
	Class I Landfill 7-10 Final	December 2016	Completed
	Waste-to-Energy Mass Burn Construction Services	September 2017	Completed
	BPF Annual Inspection and Audit	June 2016	Completed
South Florida Water Management District	G-541, L-8 Divide	March 2017	Completed
	Lake Okeechobee Western Everglades	June 2017	Completed
	Lakeside Ranch Stormwater Treatment Area S-191A Pump Station	March 2018	Completed
	Lakeside Ranch Stormwater Treatment Area EDC	December 2018	Completed
	Regional Hydrologic Modeling	September 2018	Completed
	C-44 STA Groundwater	December 2018	Completed

TABLE 6.2.1-1: CDM SMITH'S COMPLETED AND ACTIVE PROJECTS WITHIN THE PAST FIVE YEARS

Client Name	Project Name	Completion Date	Status
	Southern Corkscrew CMS	December 2018	Completed
	S-191A Pump Station EDC	April 2021	Active
City of West Palm Beach	General Consulting		
	Lift Station 5 Improvements	May 2018	Completed
	Lift Station Inventory and Condition Assessment	May 2018	Completed
	Biological Process Training	June 2018	Completed
	Arc Flash Testing – WA# 6	April 2018	Completed
	Ongoing Senior Program Management Support for Bond Program	January 2019	Active

6.3 Capacity of Proposed Staff to Perform the Services

For construction support, our bench can provide full-time or part-time construction management and/or inspection services, as needed throughout the project. CDM Smith has identified our staffing based on the expected needs of the project; however, our staff resources are extensive and our ability to expand or adjust the project team to meet the needs of each project can be done. CDM Smith will work closely with the City to ensure our staffing plan meets the needs of each and every project.

6.4 Organizational Diagram with Key Personnel

CDM Smith has developed a team that provides the City with the knowledge, expertise, and experience of proven program managers supported by the bench strength of technical resources. As noted earlier, CDM Smith has successfully led many programs that are similar in scope to the City's program. We are able to offer our industry expertise with the presence of a local office, and a significant commitment to the City's local business community. This impressive team will provide the City with the confidence of delivery that it is seeking to fulfill its objectives for this program.

Our proposed organization chart is shown in **Figure 6.4-1**. Our organization provides senior management expertise for day-to-day leadership and experienced managers for project controls, design support, and construction support as requested by the City throughout the program.

6.5 Narrative Defining Responsibilities, Contractual Relationships, and Roles

Communication is the foundation of and serves a vital role in managing costly conflicts, change orders, and claims. Formal procedures make for an effective and consistent organization. CDM Smith will support the development of robust communications to provide the City with the foundation for the collaborative environment required to meet and/or exceed the City's objectives. In order to keep all stakeholders well informed of the status and progress of the projects, routine performance tracking and reporting is planned to allow the City increased control over schedule slippage and knowledge of concurrent projects. This section summarizes our team's responsibilities and the methodology to maintain communications throughout.

6.5.1 Experienced Consultant Project Administrator

John S. Chandler is knowledgeable in the full range of owners' representative requirements, including construction management, project controls, financial tracking and reporting, and quality management. He is a diligent and



Figure 6.4-1: CDM Smith offers the City a multi-disciplinary team with experience providing owners' representative services, construction administration, and design-build services for clients across the country.

talented leader who offers the City strong management skills, outstanding and professional work ethic, and excellent communication skills. He is organized, responsible, and committed to serving City staff and the CDM Smith organization. John has successfully managed multi-million-dollar projects in a variety of fields ranging from facilities design to roadway improvements.

John has been doing this work for more than 37 years. He will be supported by our Assistant Consultant Project Administrator, **Gerald Soto Fernandez**. These two have worked as a team on several projects including construction management and oversight for the City of Boca Raton and Broward County Water and Wastewater Services. Our management team will:

- Coordinate with our engineering services team to review documents, designs, and deliverables for accuracy, quality, and adherence to the design criteria package.
- Engage YOU in decision making and progress meetings.
- Review, process, and approve in coordination with the Resident Project Representative (RPR), Resident Compliance Specialists, and CEI Inspection and QA/QC staff RFI's, shop drawings, pay applications, etc. within required time limits.
- Maintain a complete and accurate set, in coordination with the Consultant Project Administrator, of deliverables, submittals, meetings, and project documentation.
- Have overall control and management of the project as YOUR representative.

6.5.2 Consultant Senior Project Engineer

Daniel R. Maher, PE will be in charge of supervising engineering and administration components, working with both the Consultant Project Administrator and the Engineering Services team. He will oversee compliance with the design criteria package and mobilize the engineering support for RFI responses, shop drawing review, and cost development. Dan's familiarity with the project as project manager during the DCP development will ensure that nothing "falls through the cracks." The building department coordination and site development has been initiated and he will be able to support the design-build team to seamlessly continue that process and maintain the preferences of the City.

In addition, Dan's experience in this role for other municipalities demonstrates his success at managing the engineering side of a successful design-build project as the owners' representative and will provide support in value engineering considerations. Dan will be supported by **Yanice I. Mercado, PE**, who has worked on multiple programs and has experience successfully executing construction projects as the owners' representative.

6.5.3 Senior Project Architect and Engineering Discipline Support

Ed Morales, RA, LEED® AP was the lead architect for the development of the design criteria package. He was supported by our engineering disciplines including civil, structural, HVAC/plumbing, electrical, and instrumentation. During the design development of the project, Ed will work with our Senior Project Engineer and will oversee the design-builder's architect. Our engineering team will conduct reviews of the plans and specifications at several design stages to ensure compliance with the design criteria package.

In addition, this team will be thoroughly involved in the construction phase as well as there are many critical items specific to the construction of a Fire Station/EOC facility that must be verified to ensure it operates smoothly from day one. The Apparatus Bay (AB) is one of the most important spaces in the operation of the fire station. If it is not functioning properly or not usable for any reason, it can slow response times and hinder performance of the entire station. The systems related to the AB must be carefully constructed and tested to ensure that problems do not arise after the project is complete. During cost development, equipment procurement, and construction, our engineering team will work with the Construction Project Manager to ensure consistency with the City's overall goals of the project.

6.5.4 Full-Time Resident Project Representative (RPR)

CDM Smith has designated **David M. Mastran** to be the full-time RPR. He will assist the Construction Project Manager in carrying out contract administration responsibilities at the site. The RPR is the City and Construction Project Manager's agent. He will act as directed by and under the supervision of John and will confer with John regarding any actions taken. His 44 years of experience brings attention to detail, quality adherence, and will support quick decision-making. He will:

- Oversee the construction contract process with monitoring and administration
- Engage the resident compliance specialists and CEI inspectors, as needed.
- Analyze the Contractor's schedule(s) (i.e. baseline(s), revised baseline(s), updates, as-built, etc.) for compliance with the contract documents
- Monitor each Contractor and Subcontractor's compliance with specifications and special provisions of the Construction Contract
- Assist with the Close-Out of the Project
- Assist the Owner with Warranty books and punch list items
- Assist with training and review of systems after occupancy

6.5.5 Resident Compliance Specialist

CDM Smith has assigned **Alexander G. Chinnery** as the lead resident compliance specialist, supported by **Daniel J. Lauth**. Both have extensive experience in providing resident compliance services on multiple construction projects. They will be specifically responsible for compliance functions. The Resident Compliance Specialist will report to Dave and be overall responsible to the Construction Manager and the City. They will be responsible for surveillance of the Contractor's compliance with Construction Contract requirements. With backgrounds in engineering and construction, they are familiar with design development, construction documents, various phases of construction, construction inspection, materials sampling and testing, administrative activities, and compliance documentation requirements. The Resident Compliance Specialist will work closely with the Consultant Project Administrator to maintain the appropriate files, keep all related documents and correspondence accurate and up to date; attend all compliance reviews and furnish the complete project files for review; and assist the City and Construction Project Manager's as requested.

During the periods of construction along Atlantic Avenue, CDM Smith will engage CEI inspectors that are familiar with FDOT requirements, are certified through the Construction Training Qualification Program (CTQP), and have extensive experience with traffic control requirements. Our CEI staff will report to the RPR.

6.5.6 Project Coordinator

Construction contract administration services are key for any construction project and work we do on a day-to-day basis for any project that moves to construction. **Kathryn E. (Beth) McArdle** will be the project coordinator. Beth served in this role as part of the Solid Waste Authority of Palm Beach County's Mass Burn Waste-to-Energy design-build project. She will report directly to the Construction Manager but work on a daily basis with the full-time RPR during the construction portion of the work.

6.5.7 Project Controls

Project controls are a critical operational element central to meeting schedule, quality, and cost requirements. During the initial discussions with the City, decisions will be made relative to the appropriate tools and processes to be utilized to support project execution, reporting, and internal and external communication activities. Accurate, realistic schedules will allow for resource planning for both the City and our support staff. CDM Smith will work with the City to develop scheduling and tracking systems to enable project-level tracking, visibility, and control. The schedule will be used

throughout to plan, deliver, and account for all project activities. **Anthony J. James** is our project controls specialist and scheduler. He has worked as both an owners' representative as well as part of a design-build team. His experience to see both sides will support a thorough and complete understanding of how to successfully complete the project on schedule. Microsoft Project will be used to maintain consistency with City standards. In addition, CDM Smith has designated **Craig A. Gadberry, PE** as our project estimator. Craig will review the cost development by the design-build team through every phase of the project.

CDM Smith is a firm believer that adequate project controls will help minimize project risk and maximize opportunities for successful delivery due to:

- Effective assessment of current project progress vs. baseline
- Forecasting of future project performance and assessment – corrective actions, preventative actions, re-steering
- Improved accountability and credibility – actual vs. planned performance, gives the public and City management confidence about project performance
- Cost and schedule optimization

6.5.8 Sustainability/LEED

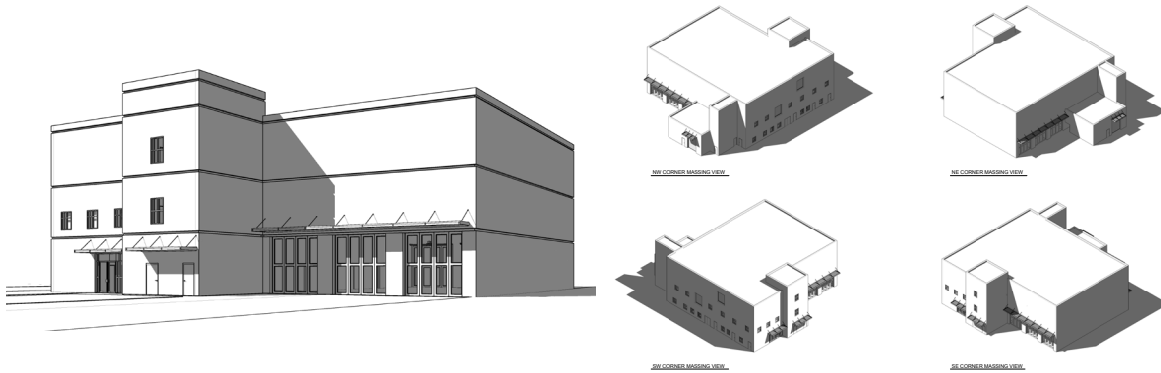
While CDM Smith inherently incorporates sustainable concepts into each project, our approach has evolved to a more holistic view of the environment. We bring that approach to our clients and our projects through a variety of strategies, based on the client organization's goals, needs, and budget. Through proactive stakeholder-based approaches to sustainable urban revitalization, we are focusing on improving the quality of life, enhancing the environment, and creating economic opportunities. Our multipurpose projects bring together environmental planners, engineers, systems modelers, and landscape architects to restore and preserve waterways, downtowns, and the environment. **Michael T. Alford, AIA, LEED AP BD+C** will support the efforts to achieve LEED certification. He has been involved in many projects in South Florida that have accomplished this. He will work closely with the design-build team to identify cost competitive options to achieve the goal while complying with the overall project components, site limitations, and operational requirements of the facility.

6.5.9 Public Information Officer

The Public Information Officer, **The Merchant Strategy, Inc. (TMS)**, will report to the Construction Manager and provide services, as deemed necessary and approved by the City, that are proactive in keeping the community aware of the status and traffic impacts of the project. With approval from the City's designee, TMS will prepare and disseminate information to the public, elected officials and the media of any upcoming events, which will affect traffic flow. Our team has worked together on multiple occasions to produce and distribute publications (letters, flyers, brochures and news releases) necessary for the project's success and community support. The construction manager will work with the City to develop the protocol for responses, letters, news releases, and the like. Once the protocol is identified and the City's designee assigned, the Information Officer will work directly with the City and the construction manager to provide timely, professional responses to project inquiries including emails, telephone calls, etc. and coordinate general public information meetings, open houses, and community meetings.

6.5.10 Survey Control

Our surveyor, **Engenuity Group, Inc.**, will check or establish the survey control baseline(s) along with sufficient baseline control points and bench marks at appropriate intervals along the project in order to: (1) Make and record measurements necessary to calculate and document quantities for pay items, (2) Make and record pre-construction and final cross section surveys of the project site in those areas where earthwork (i.e., embankment, excavation, subsoil excavation, etc.) is part of the construction project, and (3) Perform incidental engineering surveys.



Proper Construction of a Fire Station and Emergency Operations Center

Proper construction of these facilities will require engagement and oversight by all team members. Our familiarity with the project, understanding of how design-build projects work, and experience with fire stations and emergency operations center have given us a head start in knowing what to look for. Our team identified the following important items that will be closely watched during construction:

AB Foundation and Floor Slab

The team must ensure that the proper size and spacing of steel reinforcing is installed and that the concrete mix is correct and provides the specified strength so that the floor slab does not crack under the load of the emergency vehicles parked in the bay. Proper surface preparation of the floor slab is also required to maximize the durability of the floor topping to prevent premature wear. Installation, startup, and testing of vehicle exhaust and ventilations systems within the AB must be observed and documented in conjunction with pressure testing of the main building's HVAC systems to ensure the building is constantly producing positive pressure vs the AB space so that no fumes enter the building. Fire and smoke separation between the AB and the remainder of the facility is also important. The team must inspect the materials used to build the separation and all penetrations between the areas to ensure the fire separation is constructed properly.

Communications and IT Systems

These systems allow the station to receive and respond to emergency calls. The team should observe and document the installation, startup, and testing of these systems along with the designer-builder, the City's designee, and a representative from the emergency call system manufacturer to verify the system is operating perfectly prior to completion of the project. Similarly, the IT and communications systems that allow the EOC to receive and transmit information to the community during emergency events must be properly installed and tested in simulated emergency situations to ensure it functions perfectly.

Generator/Backup Power System

Because this is an emergency facility, proper startup and testing of this system should be performed and witnessed during construction, including the operation of the facility off the proposed secondary portable backup generator. Load testing should be run off both the permanent generator and portable generator to ensure the building operates without problems on either power system.

Other Non-Typical Items

Other aspects of fire station and EOC systems not common to typical commercial construction that will require extra attention from the team include the commercial kitchen exhaust hoods and associated hood fire suppression system, construction of sound-dampening walls and doors in the bunk rooms, installation of the quick-opening bi-fold vehicle doors in the AB, ventilation system for the tank-filling air compressor, and the personnel slide from the 2nd floor to the AB corridor for use during emergency response.

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TAB 7

Similar Completed Projects



Tab 7

Similar Completed Projects

7.1 List of Similar Projects

Owner's representative services has been a hallmark of CDM Smith's core engineering services for decades. As demonstrated in **Table 7.1-1, we possess extensive, nationwide design-build experience and other large vertical capital improvement construction projects with owner's representative services, ranging from small, specialized project needs to large, complex programs.** The firm's experience in owner's representation and construction management on numerous projects around the world is proof that a partnership between owner and consultant is inordinately greater than individual efforts alone. Table 7.1-1 is a representative list of our full-service capability to move large scale projects from planning to operations and confirms CDM Smith's track record and strong credentials in support of major projects.

TABLE 7.1-1: SIMILAR COMPLETED PROJECTS

1.-2. Project Name and Start/End Dates	3. Brief Description of Project's Scope of Work	4. Project Beginning/Ending Contract Amount	5.-8. Client Info
Central Monitoring Facility Oct 2010 / Aug 2013	<ul style="list-style-type: none"> Emergency operations facility Preliminary design, final design, permitting, and bidding, and construction management Negotiated price with the CMAR/Contractor, reviewed shop drawings, and conducted completion inspections 	\$1.70M / \$1.94M *additional cost due to owner added work	<ul style="list-style-type: none"> Palm Beach County Water Utilities Department Anthony Longo, Facilities System Project Manager Tel: 561.233.0219 Email: alongo@pbcgov.com
Ion Exchange Resin Plant and East WTP Improvements Mar 2015 / Jun 2017	<ul style="list-style-type: none"> Design-build project Construction/Start-up Designed and constructed operation center, room roof replacements, medical clinic, and office spaces 	\$30.8M / \$25.5M	<ul style="list-style-type: none"> City of Boynton Beach, FL Michael Low, Manager Technical Services Tel: 561.742.6403 Email: lowm@bbfl.us
Design-Build-Operate of a Mass Burn Waste-to-Energy Facility May 2011 / Jul 2015	<ul style="list-style-type: none"> Design-build project Design and construction of site improvement, structural components, and several facilities Design and construction of Platinum LEED®-certified administration building/visitor center 	\$120M / \$120M	<ul style="list-style-type: none"> Solid Waste Authority of Palm Beach County (SWA) Ray Schauer, Director of Engineering and Public Works Tel: 561.640.4000 ext. 4603 Email: rschauer@swa.org

TABLE 7.1-1: SIMILAR COMPLETED PROJECTS

1.-2. Project Name and Start/End Dates	3. Brief Description of Project's Scope of Work	4. Project Beginning/Ending Contract Amount	5.-8. Client Info
South Miami Heights WTP, Design-Build-Operate Finance and Maintain Sep 2013 / Aug 2018	<ul style="list-style-type: none"> Design-build criteria package development LEED Silver certification Full-time owner's representative services during wellfield program 	\$3.3M / \$4.9M	<ul style="list-style-type: none"> Miami-Dade Water and Sewer Department (WASD) Mario Garcia, Priority Capital Improvements – Acting Chief Tel: 786.552.4353 Email: mario.garcia2@miamidade.gov
CEI Services for the Gateway Harbor Walk Phase 1A May 2015 / Aug 2016	<ul style="list-style-type: none"> CEI services and construction contract administration Daily reporting of construction, quantity measurements, and coordination with Contractor 	\$2.3M / \$2.4M* *additional cost due to owner added work	<ul style="list-style-type: none"> Charlotte County, FL Kelly Slaughter, Project Manager Tel: 941.575.3657 Email: kelly.slaughter@charlottecountyfl.gov
CEI Services for Bee Ridge Road Expansion May 2014 / Nov 2016	<ul style="list-style-type: none"> CEI services and construction contract administration Public information/outreach Modifications to a signalized intersection 	\$22M / \$21.7M	<ul style="list-style-type: none"> Sarasota County, FL Thai X. Tran, PE, Project Manager Tel: 941.861.0889 Email: ttran@scgov.net
Nanofiltration WTP Design-Build Nov 2009 / Apr 2012	<ul style="list-style-type: none"> Design-build project Design and construction of Gold LEED-certified building Membrane process building, laboratory, electrical system improvements including new generator Accommodates public tours 	\$9.3M / \$9M	<ul style="list-style-type: none"> City of Dania Beach, FL Ronnie S. Navarro, PE Tel: 954.924.6808, ext. 3615 Email: rnavarro@ci.dania-beach.fl.us
Public Works, Maintenance and Public Services Administration Building Jun 2007/Jun 2011	<ul style="list-style-type: none"> Preliminary and final design, permitting, and bidding for a municipal facility Sustainable design considerations Led an interactive charrette with all client stakeholders early on in project design to facilitate aggressive 3-month schedule 	\$262,000 / \$500,000 *additional cost due to owner added work	<ul style="list-style-type: none"> City of Dania Beach, FL Ronnie S. Navarro, PE Tel: 954.924.6808, ext. 3615 Email: rnavarro@ci.dania-beach.fl.us
Bus Transit Facility Jul 2013 / Aug 2016	<ul style="list-style-type: none"> Design and construction of transportation facility including administration and bus maintenance buildings Sustainable and aesthetically pleasing architecture LEED Silver certified 	\$655,000 / \$700,000* *additional cost due to owner added work	<ul style="list-style-type: none"> City of Key West, FL John Castro, Utilities Director Tel: 305.809.3902 Email: jcastro@cityofkeywest-fl.gov

TABLE 7.1-1: SIMILAR COMPLETED PROJECTS

1.-2. Project Name and Start/End Dates	3. Brief Description of Project's Scope of Work	4. Project Beginning/Ending Contract Amount	5.-8. Client Info
Reverse Osmosis WTP Design-Build Jul 2007 / Dec 2015	<ul style="list-style-type: none"> Owners' representative for procurement of a DB contractor and DCP for detailed design review and construction oversight services for a new RO drinking WTP. 	\$45M / \$36M	<ul style="list-style-type: none"> City of Tarpon Springs, FL Raymond Page, Utilities Superintendent Tel: 727-224-3042 rpage@ctsfl.us
Lantana Landfill/Park Ridge Golf Course May 2000 / Apr 2007	<ul style="list-style-type: none"> Permitting, design, and construction management 18-hole golf course with onsite fuel dispensing facilities, electrical, and facilities 	\$13.6M / \$13.4M	<ul style="list-style-type: none"> SWA Ray Schauer, Director of Engineering and Public Works Tel: 561.640.4000 ext. 4603 Email: rschauer@swa.org

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TAB 8

Attachments



SECTION 11
SOLICITATION SUMMARY

The City of Delray Beach
100 NW 1st Street
Delray Beach, FL 33444

PURCHASING DEPARTMENT

SOLICITATION SUMMARY

IMPORTANT NOTICE

The information you provide on this page will be read aloud at the PUBLIC OPENING for this Solicitation. It is VERY IMPORTANT that the summary information you provide below is exactly the same information contained in your Proposal. If subsequent to the opening of Proposals, the City determines that the information contained in the electronic version of your Proposal is different from the information on this Solicitation Summary, the City reserves the right to deem your Proposal NON-RESPONSIVE and remove your Proposal from further evaluation and consideration for contract award.

PROPOSAL INFORMATION

Proposal Number: RFQ No. 2019-007

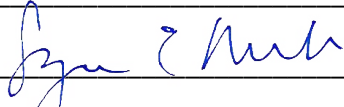
Title: Owners' Representative for Fire-Rescue Station No. 113 and Various Projects

Due Date and Time: ~~December 28, 2018 2:00 p.m., ET~~ January 11, 2019 2:00 p.m., ET

Name of Proposer: CDM Smith Inc.

Address: 621 N.W. 53rd Street, Suite 265, Boca Raton, FL 33487

Contact Person: Suzanne E. Mechler, PE, BCEE

Authorized Signature: 

Date: January 11, 2019

By signing and submitting this Solicitation Summary, the Proposer affirms that the information provided above is an exact and correct summary of the information contained in the electronic version of the Proposer's Proposal to the City of Delray Beach.

THIS SOLICITATION SUMMARY MUST BE SIGNED AND INCLUDED AS AN ORIGINAL HARDCOPY IN THE ENVELOPE CONTAINING YOUR PROPOSAL OR SIGNED AND INCLUDED WITH YOUR SECURE ELECTRONIC PROPOSAL SUBMITTAL THROUGH WWW.BIDSYNC.COM.

ACKNOWLEDGEMENT OF ADDENDA

INSTRUCTIONS: COMPLETE PART I OR PART II, WHICHEVER APPLIES

PART I:

List below the dates of issue for each addendum received in connection with this Solicitation:

Addendum #1, Dated _____

Addendum #2, Dated _____

Addendum #3, Dated _____

Addendum #4, Dated _____

Addendum #5, Dated _____

Addendum #6, Dated _____

Addendum #7, Dated _____

Addendum #8, Dated _____

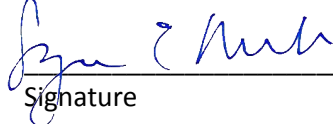
Addendum #9, Dated _____

Addendum #10, Dated _____

PART II:

☐ NO ADDENDUM WAS RECEIVED IN CONNECTION WITH THIS SOLICITATION

Firm Name _____



Signature _____

Name and Title (Print or Type) _____

Date _____

PROPOSAL SUBMITTAL SIGNATURE PAGE

By signing this Proposal, the Proposer certifies that it satisfies all legal requirements as an entity to do business with the City, including all Conflict of Interest and Code of Ethics provisions.

Firm Name:
CDM Smith Inc.

Street Address:
621 NW 53rd Street, Suite 265, Boca Raton, FL 33487

Mailing Address (if different from Street Address):
N/A

Telephone Number(s): 561.571.3800

Fax Number(s): 561.241.7084

Email Address: mechlerse@cdmsmith.com

Federal Employer Identification Number: 04-2473650

Prompt Payment Terms: N/A % ____ days' net ____ days

Signature: _____
(Signature of authorized agent)

Print Name: Suzanne E. Mechler, PE, BCEE

Title: Associate

Date: January 11, 2019

By signing this document, the Proposer agrees to all terms and conditions of this Solicitation and the resulting contract/agreement.

THE EXECUTION OF THIS FORM CONSTITUTES THE UNEQUIVOCAL OFFER OF PROPOSER TO BE BOUND BY THE TERMS OF ITS PROPOSAL, FOR NOT LESS THAN 90 DAYS, AND THE PROPOSER'S UNEQUIVOCAL OFFER TO BE BOUND BY THE TERMS AND CONDITIONS SET FORTH IN THIS SOLICITATION. FAILURE TO SIGN THIS SOLICITATION WHERE INDICATED ABOVE, BY AN AUTHORIZED REPRESENTATIVE, SHALL RENDER THE PROPOSAL NON-RESPONSIVE. THE CITY MAY, HOWEVER, IN ITS SOLE DISCRETION, ACCEPT ANY PROPOSAL THAT INCLUDES AN EXECUTED DOCUMENT WHICH UNEQUIVOCALLY BINDS THE PROPOSER TO THE TERMS OF ITS PROPOSAL.

CONFLICT OF INTEREST DISCLOSURE FORM

The award of this contract is subject to the provisions of Chapter 112, *Florida Statutes*. All Proposers must disclose within their Proposal: the name of any officer, director, or agent who is also an employee of the City of Delray Beach.

Furthermore, all Proposers must disclose the name of any City employee who owns, directly or indirectly, an interest of more than five percent (5%) in the Proposer's firm or any of its branches.

The purpose of this disclosure form is to give the City the information needed to identify potential conflicts of interest for evaluation team members and other key personnel involved in the award of this contract.

The term "conflict of interest" refers to situations in which financial or other personal considerations may adversely affect, or have the appearance of adversely affecting, an employee's professional judgment in exercising any City duty or responsibility in administration, management, instruction, research, or other professional activities.

Please check one of the following statements and attach additional documentation if necessary:

- X To the best of our knowledge, the undersigned firm has no potential conflict of interest due to any other Cities, Counties, contracts, or property interest for this Proposal.
- The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other Cities, Counties, contracts, or property interest for this Proposal.

Acknowledged by:

CDM Smith Inc.

Firm Name



Signature

Suzanne E. Mechler, PE, BCEE; Associate

Name and Title (Print or Type)

January 11, 2019

Date

NOTIFICATION OF PUBLIC ENTITY CRIMES LAW

Pursuant to Section 287.133, *Florida Statutes*, you are hereby notified that a person or affiliate who has been placed on the convicted contractors list following a conviction for a public entity crime may not submit a Proposal on a contract to provide any goods or services to a public entity; may not submit a Proposal on a contract with a public entity for the construction or repair of a public building or public work; may not submit Proposals on leases or real property to a public entity; may not be awarded or perform work as a contractor, supplier, sub-Proposer, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017 [F.S.] for Category Two [\$35,000.00] for a period of thirty-six (36) months from the date of being placed on the convicted contractors list.

Acknowledged by:

CDM Smith Inc.

Firm Name



Signature

Suzanne E. Mechler, PE, BCEE; Associate

Name and Title (Print or Type)

January 11, 2019

Date

**Notification of Public Records Law Pertaining to Public Contracts and Requests
for Contractor Records Pursuant to Chapter 119, *Florida Statutes***

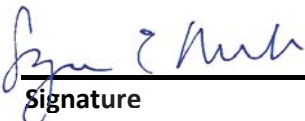
Pursuant to Chapter 119, *Florida Statutes*, Contractor shall comply with the public records law by keeping and maintaining public records required by the City of Delray Beach in order to perform the service. Upon request from the City of Delray Beach' custodian of public records, contract shall provide the City of Delray Beach with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, *Florida Statutes* or as otherwise provided by law. Contractor shall ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract. If the Contractor does not transfer the records to the City of Delray Beach. Contractor upon completion of the contract, shall transfer, at no cost, to the City of Delray Beach all public records in possession of the Contractor or keep and maintain public records required by the City of Delray Beach in order to perform the service. If the Contractor transfers all public records to the City of Delray Beach upon completion of the contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon completion of the contract, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City of Delray Beach, upon request from the City of Delray Beach' custodian of public records, in a format that is compatible with the information technology systems of the City of Delray Beach.

IF CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, *FLORIDA STATUTES*, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT OFFICE OF THE CITY CLERK LOCATED AT 100 NW 1ST STREET, DELRAY BEACH, FLORIDA 33444, PHONE NUMBER (561) 243-7000, EMAIL ADDRESS: JOHNSONK@MYDELRAYBEACH.COM.

Acknowledged:

CDM Smith Inc.

Firm Name



Signature

Suzanne E. Mechler, PE, BCEE; Associate

Name and Title (Print or Type)

January 11, 2019

Date

DRUG-FREE WORKPLACE

CDM Smith Inc. _____ is a drug-free workplace and has
(Company Name)
a substance abuse policy in accordance with and pursuant to Section 440.102, *Florida Statutes*.

Acknowledged by:

CDM Smith Inc.

Firm Name



Signature

Suzanne E. Mechler, PE, BCEE; Associate

Name and Title (Print or Type)

January 11, 2019

Date



Drug-Free Workplace Policy

As required by federal legislation, CDM Smith Inc. and its divisions and subsidiaries (hereafter collectively referred to as "CDM Smith") have adopted the following policy regarding the Drug-Free Workplace Act.

CDM Smith wishes to alert its employees to the danger of drug abuse in the workplace. These include the potential for workplace accidents and failures that can pose a serious threat to the health and safety of the employee and others. Drug abuse affects an employee's reliability, stability, and good judgment necessary to the safe performance of work for the firm. Problems of productivity, reliability, and absenteeism can reduce an employee's work effectiveness and could result in the possible discharge.

It is the firm's policy to maintain a productive and safe workplace free from the influence of illegal drugs. Drug abuse assistance and rehabilitation programs are available through the firm's Employee Assistance Program and health insurance programs, as described in the CDM Smith benefits manual. Employees with drug abuse problems are strongly encouraged to participate in these programs. When appropriate, time off from work, in accordance with the firm's time off policy, will be made available as the employee's job permits in order to facilitate drug rehabilitation treatment.

In accordance with federal funding and contracting requirements, the firm strictly prohibits the unlawful manufacture, distribution, dispensation, possession, or use of illegal drugs or controlled substances by an employee on or near the firm's premises or vehicles, or on client's premises, at all times. Use of illegal drugs or controlled substances before reporting to work which affects workplace performance or conduct is likewise prohibited.

Violation of this policy will result in appropriate discipline, up to and including immediate discharge. Employees are cautioned that discipline under this policy may include satisfactory participation in a drug abuse assistance or rehabilitation program as a condition of continued employment.

Any employee who is convicted of violating a criminal drug statute for conduct occurring in or near the workplace or during working hours must notify the firm no later than 5 days after conviction. Failure to notify the firm in a timely fashion will result in discharge.

CDM Smith may, from time to time, have contracts with the federal government or other public or private clients, which require performance on government facilities or sites with controlled security access. Such facilities normally have site specific security access requirements, including prohibitions against the possession and/or use of alcohol, drugs or other substances which could affect the individual's ability to work safely on the facility or site. In the event an employee is assigned to work for such a client, the employee will be requested to sign a specific "Notification of Security Requirements" or "Authorization to Release Information" acknowledging his/her understanding of the security requirements and consenting to the security measures employed by the identified facility, including random searches of persons and possessions (including vehicles) and random specimen testing for use, possession, sale or distribution of prohibited or illegal substances. Such consent is required prior to accessing each controlled facility or site.

In compliance with the Drug-Free Workplace Act, employees are required to sign a statement that they have received a copy of the firm's policy and that they will abide by its terms.

NON-COLLUSION AFFIDAVIT

STATE OF Florida
COUNTY OF Palm Beach

Before me, the undersigned authority, personally appeared Suzanne E. Mechler, PE, BCEE, who, after being by me first duly sworn, deposes and says of his/her personal knowledge that:

- a. He/She is Associate of CDM Smith Inc., the Proposer that has submitted a Proposal to perform work for the following:

RFQ No.: 2019-007

Title: Owners' Representative for Fire Station 113 and Various City Projects, Project No. 16-012

- b. He/She is fully informed respecting the preparation and contents of the attached Request for Qualifications, and of all pertinent circumstances respecting such Solicitation.

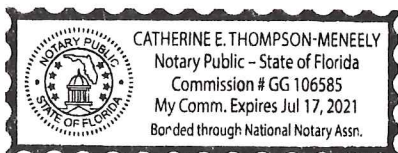
Such Proposal is genuine and is not a collusive or sham Proposal.

- c. Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees, or parties in interest, including this affiant, has in any way colluded, conspired, connived, or agreed, directly or indirectly, with any other Proposer, firm, or person to submit a collusive or sham Proposal in connection with the Solicitation and contract for which the attached Proposal has been submitted or to refrain from proposing in connection with such Solicitation and contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Proposer, firm, or person to fix the price or prices in the attached Proposal or any other Proposer, or to fix any overhead, profit, or cost element of the Proposal price or the Proposal price of any other Proposer, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against the City or any person interested in the proposed contract.
- d. The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

Suzanne E. Mechler
Signature

Subscribed and sworn to (or affirmed) before me this 11th day of January, 2019, by Suzanne E. Mechler, PE, BCEE; Associate, who is personally known to me or who has produced _____ as identification.

SEAL



Notary Signature Catherine E. Thompson-Meneely
Notary Name: Catherine E. Thompson-Meneely
Notary Public (State): Florida
My Commission No: GG106585
Expires on: July 17, 2021

TRUTH – IN – NEGOTIATION CERTIFICATE

The undersigned warrants (i) that it has not employed or retained any company or person, other than bona fide employees working solely for the undersigned, to solicit or secure the Agreement and (ii) that it has not paid or agreed to pay any person, company, corporation, individual, or firm other than its bona fide employees working solely for the undersigned or agreed to pay any fee, commission, percentage, gift, or any other consideration contingent upon or resulting from the award or making of the Agreement.

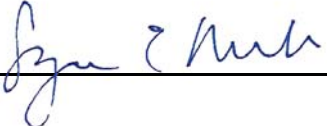
The undersigned certifies that the wage rates and other factual unit costs used to determine the compensation provided for in the Agreement are accurate, complete, and current as of the date of the Agreement.

(This document must be executed by a Corporate Officer.)

Name: Suzanne E. Mechler, PE, BCEE

Title: Associate

Date: January 11, 2019

Signature: 



**CDM
Smith®**
cdmsmith.com