City of Fort Lauderdale

RFQ/EVENT# 449: Structural Miscellaneous Contract Services

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1.

Executive Summary

↑ Jewfish Creek, Key Largo, Florida

FIRM PROFILE

Stantec has been providing responsive, quality engineering services in Florida for over 70 years. We are committed to making Florida a better place to work and do business. With that goal in mind, we work on projects that help improve our communities and the infrastructure that supports them.

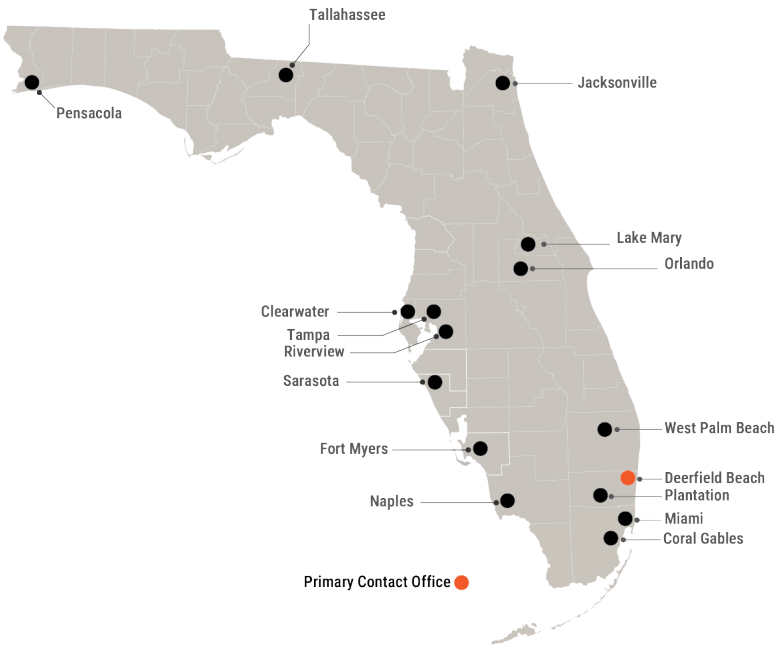
Stantec, established in 1954, provides professional design and consulting services in engineering, architecture, interior design, landscape architecture, planning, surveying, geotechnical, environmental sciences, construction engineering inspections, construction management, project management, and project economics for infrastructure and facilities projects. Continually striving to balance economic, environmental, and social responsibilities, we are recognized as a world-class leader and innovator in the delivery of sustainable solutions.

The Stantec community unites over 31,000 employees working in over 450 locations across 6 continents. We collaborate across disciplines and industries to bring buildings, energy and resource, and infrastructure projects to life. With a long-term commitment to the people and places we serve, Stantec has the unique ability to connect to projects on a personal level and advance the quality of life in communities across the globe.

Stantec trades on the TSX and the NYSE under the symbol STN.

PRIMARY CONTACT OFFICE

We have 16 offices within the State of Florida with over 850 staff. **Our Deerfield Beach office will serve this contract** and is a few minutes away from the City of Fort Lauderdale. Allowing our Project Manager, Mohit Soni, to easily facilitate face-to-face meetings on short notice, as well as respond to any emergencies that may arise.



MAIN OFFICE LOCATION

Our home office is located in Edmonton, Canada: 400-10220 103 Avenue NW, Edmonton AB, CA T5J 0K4

TEAM APPROACH

We bring creative, inspired people, across multiple disciplines together and create a talented pool of subject specialists who truly understand their craft. We believe in using the best people available for the job at hand and that is why we have a team that includes:

1. **A responsive and local project management team.** We see ourselves as partners with the City and this requires a dedicated project manager who knows the community and understands the challenges that the City faces first hand.
2. **Professionals proficient in bridge design.** The management staff chosen for this project have a successful track record of working together on transportation design projects including bridges and structures all throughout Florida. Please see their experience noted on their SF-330 resumes.
3. **A team of critical thinkers who are solution driven.** Due to technical constraints associated with bridge replacement, we will develop the best TTCP/MOT solutions that will not only minimize the construction impact to the traveling public and adjacent properties, but also will result in cost savings with reduced construction time.
4. **A team of professionals with breadth and depth of applicable experience.** It is important that the City gain from the experiences of their selected consultants. Our team will analyze these bridges from different perspectives, including employing techniques such as Accelerated Bridge Construction utilizing GRS abutments, Precast Superstructure, conspan (prefabricated) bridge, and precast box culverts. The solution that is most economical with reduced construction time which will minimize construction impact will be implemented.

Please see Tab 3 (Organizational Profile and Project Team) which includes an organization chart of the team, as well as details about the key individuals, and Tab 2 (Firm Qualifications and Experience) which includes key team members SF-330 resumes.

MINORITY PARTICIPATION

Stantec is committed to supporting diversity and inclusion by partnering with certified Small Business Enterprises (SBEs), Disadvantaged Business Enterprises (DBEs), Minority Business Enterprises (MBEs), and Women's Business Enterprises (WBEs). For this project, we have included experienced and qualified minority-owned firms on our team to contribute their specialized expertise. These partnerships not only strengthen our project delivery but also promote economic growth within Florida's diverse business community.

Subconsultant	Minority Status
AllBright Engineering, Inc. dba Snubbs Consulting, Inc.	• CBE - Broward County •DBE - Florida Department of Transportation
CONCORR Inc.	• DBE - Florida Department of Transportation
HR Engineering Services Inc.	• DBE - Miami-Dade County • MBE - State of Florida • SBE-A&E - Miami-Dade County • SBE-G&S - Miami-Dade County
Keith and Associates, Inc	• M/WBE - City of Orlando, City of Tampa, Osceola County, City of West Palm Beach, Greater Orlando Aviation Authority, and Broward Health
Radise International, LC	•DBE - Florida Department of Transportation • SBE - Federal Level

RADISE INTERNATIONAL

KEITH
Engineering Inspired Design.

CONCORR, Inc.
CONCRETE CORROSION SPECIALISTS

AllBright Engineering

HR Engineering Services, Inc.

STAFF

Stantec has carefully reviewed the scope and assembled a team of local and regional professionals with the right expertise and capacity to successfully complete this contract. These are the same professionals you will see and work with throughout the life of the project—team members who are committed to partnering with you. Our supervisory staff and key individuals office locations is noted on there SF330 resume in Section 2.

KEY ELEMENTS OF THE SOQ

Our SOQ is divided into six sections as described in section 4.2 of the RFQ and our responses specifically address the issues of this RFQ. As described earlier, Stantec has 16 Florida offices and over 850 staff who have been providing responsive, quality planning, engineering, and architectural services for over six decades. This includes civil engineering, structures engineering, transportation engineering, architecture, interior design, landscape architecture, PD&E, surveying, environmental sciences, construction engineering inspections, construction management, project management, and project economics for infrastructure and facilities projects. All key proposed firm/personal have successfully worked together. The team members we have selected are:

- ***Right for this project!***
- ***Available to start immediately!***
- ***Dedicated in their effort and enthusiasm to produce the best possible outcome!***

Our Rankings:

Engineering News Record (ENR 2025)

- #9 Top 500 Design Firms

Global (ENR 2024)

- #12 Top 150 Global Design Firms

Design (by Sector)

- #11 Top 25 Transportation-Bridges
- #9 Top 50 Transportation
- #6 Top 20 General Building
- #4 Top 20 Water
- #11 Top 50 Sewer and Waste
- #14 Top 50 Power

International

- #2 Top 10 by Region—U.S.
- #7 Top 225 Int'l Design Firms
- #9 Top 10 Transportation (by Market)
- #5 Top 10 Building (by Market)
- #2 Top 10 Water (by Market)
- #1 Top 10 Sewer/Waste (by Market)
- #8 Top 10 Power (by Market)

Our complete Standard Form 330 can be located in Tab 2 (Firm Qualifications and Experience), including organization chart, key staff resumes, and projects. Documentation including required qualifications and licenses along with the firm's number of years of experience in providing the professional services as it relates the work contemplated is also included within Tab 2; as well as information regarding our sustainable business practices.

The organization chart is also included in identifying the project team and the capacity and expected level of involvement of each team member is also included in Tab 3 (Organizational Profile and Project Team). A comprehensive summary of the direct and relevant experience of the key personnel is also included in this section. The Approach to Scope of Work addressing our proposed vision, ideas and methodology to meet City's needs, goals and objectives and overall approach to accomplishing this project including avoiding the scope changes, staying ahead of the schedule by maintaining the positive float, and controlling the design as well as construction budget are included in Tab 4 (Approach to Scope of Work). Stantec's current workload and how this project will fit into your workload is demonstrated in this section as well.

Additionally, the state-of-art technical expertise, and cutting-edge technological capabilities and other available resources including one-drive, ftp, projectwise, and skype communication is addressed in this section. As a result of successful completion of similar projects, we get repeat business from our clients. Please see Tab 5 (References) which highlights some of our projects with excellent references. All the completed forms for this SOQ can be found in Tab 6 (Required Forms).

2.

Firm Qualifications & Experience

SF-330

Please see our complete Standard Form 330 at the end of this section.

NUMBER OF YEARS IN OFFICE

Stantec was established in 1954 and has been providing responsive, quality engineering services in Florida for over six decades.

SUSTAINABILITY INITIATIVES

Sustainability at Stantec is built on the premise that positive economic results are possible when we effectively manage our environmental, social, and governance affairs. We are committed to sustainability leadership in our operations and project work. In our markets, for our clients, and throughout our company we advance initiatives that support a more sustainable world.

Stantec focuses its efforts in the areas where it believes that it can have a significant impact, as follows:

Building a leading sustainability consulting practice in the markets it serves by:

- Using its expertise, experience, and influence to advance the sustainability of its valued clients
- Incorporating sustainability into all its service offerings
- Marketing and selling sustainable development services across all sectors

Integrating sustainability into its overall operations and everyday practice by:

- Implementing best industry, employee, and vendor practices to reduce resource use, waste, and emissions while increasing efficiency and effectiveness
- Fostering an understanding of sustainability at all levels of the organization in ways that are both personally and professionally relevant
- Embracing an accountable and transparent governance and leadership structure that integrates sustainability considerations into all its business decisions
- Reporting on its sustainability performance and achievements

Stantec strives to achieve the following:

- Environmental Progress—Reduce its impact on the environment by progressing toward least impact approaches to resource and energy use, waste, and emissions of carbon and toxins
- Social Progress—Engage with stakeholders and support the communities in which it operates
- Economic Viability—Demonstrate that its sustainability efforts lead to long- term business vibrancy and viability in concert with its vision, strategic plan, and business objectives

Stantec Information	
No. of Years in Business:	71
Business Structure:	Corporation
Business Address:	800 Fairway Drive Suite 195 Deerfield Beach, FL 33441
Contact Person:	Mohit Soni, PE (954) 708- 0201 mohit.soni@stantec.com
Business website:	www.stantec.com

Employee Information	
Administrative	5909
Architect	1308
Biologist:	403
CAD Technician	1213
Civil Engineer	4163
Computer Programmer	1351
Construction Inspector	359
Electrical Engineer	1173
Environmental Engineer	866
Environmental Scientist	1714
Geologist	313
Interior Designer	272
Land Surveyor	373
Landscape Architect	274
Mechanical Engineer	1323
Planner, Urban/Regional	979
Project Manager	1977
Structural Engineer	1282
Technician/Analyst	2021
Transportation Engineer	323
Other	3,527
Total	31,123

BUSINESS STRUCTURE

Stantec is a corporation, publicly owned, and trades on the TSX and the NYSE under the symbol STN. Our headquarters are located in Edmonton, Canada (400-10220 103 Avenue NW, Edmonton AB, CA T5J 0K4).

Our local office handling this contract is in Deerfield Beach, Florida (800 Fairway Drive, Suite 195, Deerfield Beach, FL 33441). Additionally, we have offices in West Palm Beach, Coral Gables, and Miami.

LICENSES

State of Florida
Department of State

I certify from the records of this office that STANTEC CONSULTING SERVICES INC. is a New York corporation authorized to transact business in the State of Florida, qualified on November 14, 2001.

The document number of this corporation is F01000005948.

I further certify that said corporation has paid all fees due this office through December 31, 2025, that its most recent annual report/uniform business report was filed on January 6, 2025, 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 Fifth day of February, 2025

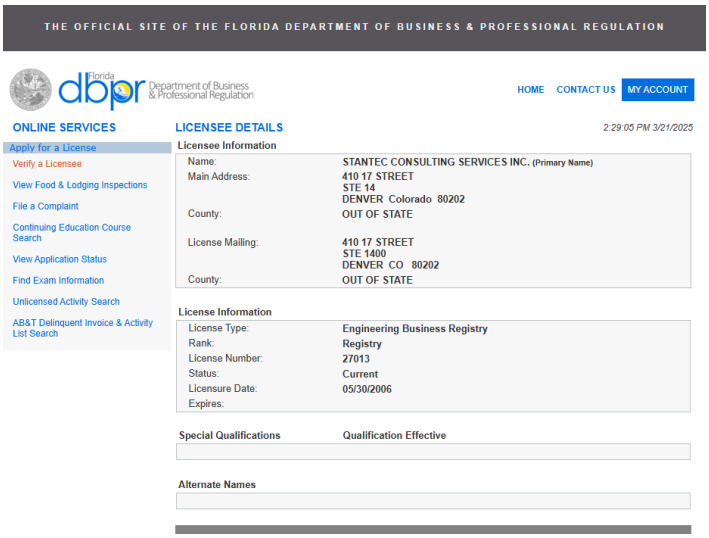
GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

Secretary of State

Tracking Number: 0202523468CU

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

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



THE OFFICIAL SITE OF THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION

dbpr Florida Department of Business & Professional Regulation

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ONLINE SERVICES

- Apply for a License
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- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS

2:29:05 PM 3/21/2025

Licensee Information

Name:	STANTEC CONSULTING SERVICES INC. (Primary Name)
Main Address:	410 17 STREET STE 14 DENVER Colorado 80202
County:	OUT OF STATE
License Mailing:	410 17 STREET STE 1400 DENVER CO 80202
County:	OUT OF STATE

License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	27013
Status:	Current
Licensure Date:	05/30/2006
Expires:	

Special Qualifications | Qualification Effective

Alternate Names

ARCHITECT – ENGINEER QUALIFICATIONS

PART I – CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*	
Structural Miscellaneous Contract Services	
2. PUBLIC NOTICE DATE	3. SOLICITATION OR PROJECT NUMBER
April 24, 2025	RFQ/Event #449

B. ARCHITECT – ENGINEER POINT OF CONTACT

4. NAME AND TITLE		
Mohit Soni, PE, PMP, PEng		
5. NAME OF FIRM		
Stantec Consulting Services Inc.		
6. TELEPHONE NUMBER	7. FAX NUMBER	8. EMAIL ADDRESS
954.708.0201	954.481.2818	mohit.soni@stantec.com

C. PROPOSED TEAM

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

	(Check) PRIME	(Check) J-V PARTNER	(Check) SUBCONTRACTOR	9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
a.	✓			Stantec Consulting Services Inc. ☑ CHECK IF BRANCH OFFICE	800 Fairway Drive, Suite 195 Deerfield Beach, FL 33441	Bridge Analysis, Design, Bridge Hydraulics, Development, Const. Documents, & Const. Management; Roadway; Env. Permitting; Utilities; Drainage; Survey; Architecture, Landscape Arch.; Public Involvement
b.			✓	AllBright Engineering Inc. dba Snubbs Consutling Inc. ☒ CHECK IF BRANCH OFFICE	17901 NW 5th Street, Suite 106A Pembroke Pines, FL 3302	Bridge Hydraulics, Drainage, Survey/SUE
c.			✓	Bridge Diagnostics, Inc. ☒ CHECK IF BRANCH OFFICE	740 South Pierce Avenue, Unit 15 Louisville, CO 80027	Non-Destructive Testing and Evaluation
d.			✓	Concorr Inc. ☐ CHECK IF BRANCH OFFICE	45710 Oakbrook Court, Suite 160 Sterling, VA 20166	Cathodic Protection
e.			✓	HDR Engineering, Inc. ☒ CHECK IF BRANCH OFFICE	8333 NW 53rd Street Doral, FL 33166	Moveable Bridges
f.			✓	HR Engineering Services, Inc. ☐ CHECK IF BRANCH OFFICE	7815 NW 72nd Avenue Medley, FL 33166	Geotechnical Engineering
g.			✓	Keith and Associates, Inc. ☒ CHECK IF BRANCH OFFICE	301 East Atlantic Boulevard Pompano Beach, FL 33060	Survey/SUE
h.			✓	RADISE International, LC ☐ CHECK IF BRANCH OFFICE	4152 W Blue Heron Blvd., Suite 1114 Riviera Beach FL 33404	Geotechnical Engineering
i.			✓	Simpson Gumpertz & Heger Inc. ☐ CHECK IF BRANCH OFFICE	2701 N. Rocky Point Drive, Suite 100 Tampa, FL 33607	Cathodic Protection

City of Ft. Lauderdale

Project Manager
*Mohit Soni, PE, PMP, P.Eng (STN/23)

Principal in Charge
*Juan Bolivar, PE, PMP, LEED AP

PROJECT TEAM

BDI	Bridge Diagnostics Inc.	KA	Keith & Associates Inc. (M/WBE)
CI	Concorr, Inc. (DBE)	RAD	RADISE International, LC (DBE)
HDR	HDR Engineering Inc.	SGH	Simpson Gumpertz & Heger Inc.
HRES	HR Engineering Services Inc. (DBE/MBE/SBE)	SNB	Snubbs Consutling Inc. (DBE/CBE)

Legend: Staff Name (Firm) (*Names are Stantec staff unless otherwise noted)*
* Key Staff

TECHNICAL TEAM

STRUCTURES TEAM 1
Concrete Bridge
*Grant Curtiss, PE, SE
Naomi Silva, EI
Saman Dolati, PE (HDR)

STRUCTURES TEAM 2
Concrete Bridge
*Marianela Garcia, PE
Aimee Villar, EI
Rosario Nodarse

STRUCTURES TEAM 3
Concrete Bridge
*Kunal Malpani
Yagna Satti, EI
Himanshu Lodha, EI

STRUCTURES TEAM 4
Steel Bridges
*Robert Smith, PE
Brian Johnson, PE
Ofelia Gomez

STRUCTURES TEAM 5
Major Bridge Design
*John Danielsen, PE (HDR)
Waruna Jayasooriya, PE (HDR)
Ximena Mino (HDR)

STRUCTURES TEAM 6
Major Bridge Design
*Taylor Perkins, PE, PhD, SE
Kalinga Palugaswewa, PE (HDR)
Saman Dolati, PE (HDR)

STRUCTURES TEAM 7
Movable Bridge Design
*Ronald Sanchez (HDR)
Alexandra Ocampo (HDR)
Teresa Chaparro (HDR)

STRUCTURES TEAM 8
Steel Bridge Load Rating
*Pere Pla-Junca, PE
Taylor Perkins, PE
David Taylor, PE, SE

STRUCTURES TEAM 9
Bridge Load Rating
*Joseph Kelvington, PE
Samuel King, PE
Michael Chamberland, PE

STRUCTURES TEAM 10
Culverts Bridge Structure
*Maurice DeBeary, PE
Gregor Fahrendorf, PE

STRUCTURES TEAM 11
Conventional Bridge Inspection
*Grant Curtiss, PE, SE
Kunal Malpani, PE
Bradley Rose, PE

STRUCTURES TEAM 12
Underwater Bridge Inspection
*Dominick DeJohn, PE
Tim Kivi, PE

STRUCTURES TEAM 13
Moveable Bridge Inspection
*Mickey Harrison, PE
Ronald Sanchez (HDR)

STRUCTURES TEAM 14
Miscellaneous Structures
*Naveed Mohammed, PE
Ileana Torralba, EI
Eydar Castro (HDR)

STRUCTURES TEAM 15
Miscellaneous Structures
*Christopher Gamache, PE
Thomas Howell, EI

SUPPORT STAFF

ROADWAY / TRAFFIC CONTROL
*Janette Lachowski, PE
*Patrick Leung, PE
Luis Lazo, PE

COASTAL ENG./SCOUR
*Todd DeMunda, PE
Matthew Starr, PG

CEI Staff
*Charles Long, PE
Juan Bolivar, PE

GEOTECHNICAL
Jamshid Sajadi, PhD, PE (RAD)
Nitesh Goli, PE, PMP (RAD)
Hernando Ramos, PE (HRES)

DRAINAGE
*Donald Mattson, PE
Manny Francis

BRIDGE HYDRAULICS
Aylin Costa Napoles, PE (SNB)

RAILROAD BRIDGE
Gene Davis, PE
Joseph Kelvington, PE

SURVEY/SUE/HYDRAULIC
Mark Foster, PSM
Charles Schramm, PSM (KA)
Donald Spicer, PSM (KA)
Mark Mitchell (KA)

ENVIRONMENTAL (as needed)
*Michael Drauer
Mike Dinardo, PWS

CATHODIC PROTECTION
*Ali Akbar Sohanghpurwala (CI)
Brian M. Pailes, PhD, PE, NACE CP-4 (SGH)

NON-DESTRUCTIVE (Testing/ Evaluation)
*Sreenivas Alampalli, PE
Nathanial Dubbs, PhD, PE (BDI)

UTILITY COORDINATION/ DESIGN
*Dave Clarke, PE, CFM
Larissa Faria, PE, ENV SP

NAVIGATIONAL LIGHTING
*Janette Lachowski, PE
James Zuniga

PUBLIC INVOLVEMENT
Beth Beam MS, AICP

GEOPHYSICAL TESTING
Hernando Ramos, PE (HRES)

VERTICAL STRUCTURE
*Pablo Garcia, PE, SE
Erick Zuidema, PE, SE
Don Whyte

LANDSCAPE ARCHITECTURE
Kevin Mangan, PLA, ASLA
Fran DeMarco

BRIDGE COATING/PAINTING
*Donavon Cunningham, NACE
Jeremy Burner, NACE

PD&E
Gabriel Perez, PE
Chris Benitez, PE, PTOE, RSP1

CULTURAL RESOURCES
Kimberly Hinder, MHP

DRONE PILOT
Ray Dennis III

SUSTAINABILITY/RESILIENCY
*Diane Quigley, AICP, CFM, WEDG
John Malueg

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT *(Complete one Section E for each key person.)*			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Mohit Soni, PE, PMP, P.Eng.	Project Manager	24	12
15. FIRM NAME AND LOCATION *(City and State)*			
Stantec Consulting Services Inc. (Deerfield Beach, Florida)			
16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*		
Master of Science, Civil Engineering, Lamar State University, Beaumont, Texas, 2000 Bachelor of Science, Civil Engineering, Marathwada University, Aurangabad, Maharashtra, India, 1998	Professional Engineer #65204, State of Florida Project Management Professional (PMP) #1260420		
18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
a.	SR A1A/MacArthur Causeway Bridge 870077 Repairs, Miami-Dade County, Florida	2017	On-going
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	EOR for Specifications and TSP (including for cathodic protection) of bridge structures for the rehabilitation of the East MacArthur Causeway Bridge #870077. The rehabilitation includes full depth deck repairs, partial deck removal with hydro demolition (3" deep) and high early concrete topping, spalls, metalizing, new expansion joints, pile jackets with cathodic protection, painting structural steel, repair of fender system and carbon fiber strengthening of the beams. The bridge is located in an environmentally sensitive area.		
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
b.	SR 5/US-1 Replacement of Four Low-Level Bridges, Jupiter, Florida	2010	2012
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Deputy Project Manager for total replacement of four low-level bridges over the tidal water. Mohit was responsible for structural design of superstructure and substructure to withstand the hurricane force winds, wave force, and ship impact. The 225-foot long, three-span superstructure was comprised of new Florida I beams (Prestressed Concrete I Girders) and the substructure was comprised of 24-inch prestressed concrete pile bents. The environmental classification for all four bridges was extremely aggressive. The bridges are located in an environmentally sensitive area over the OFW (Over the Outstanding Water Body) with many endangered species such as seagrass, mangroves, small tooth sawfish, and manatees. The project also included phased construction with temporary sheet pile walls. Project cost was $12M.		
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
c.	Districtwide Bridge Design Repair (Contracts #C9841 & C8X21), FDOT District 3 (various counties), Florida	2012	2017
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Project Manager/EOR for this task-work order-based contract. 50 task assignments have been completed and include rehabilitation and repainting of major steel structures, repair and replacement of structural elements involving expansion joint replacement, bridge painting, cathodic protection deck crack sealing, approach slab, joint & bearing pad replacement, PT grout investigation, bridge abutment / bent cap repairs, crack repairs, spall repairs, crutch bent, emergency response, fender repairs, and load rating. The bridges include overpass bridge, over rail road, and over water and environmentally sensitive areas.		
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
d.	Districtwide Bridge Design Repair (Contract #C9J37) FDOT District 3 (various counties), Florida	2010	2014
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Task Manager/EOR for this task-work order-based contract. 13 task assignments have been completed and includes Emergency Repair for substructure and installation of crutch bents, repair and replacement of structural elements. Work has included expansion joint replacements, bridge painting, cathodic protection, approach slab, joint & bearing pad replacement, life cycle cost estimating, pedestrian bridge miscellaneous rehabilitation, crack repairs, spall repairs, fender replacement, and load rating. The bridges include overpass bridge, over water, and environmentally sensitive areas.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT *(Complete one Section E for each key person.)*			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Juan Bolivar, PE, PMP, LEED AP	Principal-in-Charge/CEI Staff	22	18
15. FIRM NAME AND LOCATION *(City and State)*			
Stantec Consulting Services Inc. (Deerfield Beach, Florida)			

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Master, Project Management., Boston University, Massachusetts, 2010 Graduate Certificate in Project Management, Boston University, Massachusetts, 2009 Master of Science, Civil Engineering (Minor in Business), FAU, Boca Raton, Florida, 2008 Bachelor of Science, Civil Engineering (cum laude), FAU, Boca Raton, Florida, 2005	Professional Engineer #73153, State of Florida LEED Accredited Professional, U.S. Green Building Council Project Management Professional #1345010

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

Advanced Maintenance of Traffic, 2025; CTQP – QC Manager; CTQP – Final Estimates – Levels I, 2026; CTQP – Final Estimates – Levels II, 2026

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
I-95 Express Corridor Design Consultant (CDC) Phase 3B-2 from Glades Rd. to Linton Blvd., Florida	2024	2024
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

FDOT District 4 Design Project Manager / Design-Construction Liaison for post-design services, Constructability Reviewer, and Design Engineer for the preparation of the RFP criteria package and construction of this $140 million Design-Build project, which entails providing two express lanes in each direction of I-95 by converting an existing HOV lane and adding one express lane. Other improvements include replacing the Clint Moore Rd. Bridge, hydroplaning analysis, ingress/egress points coordination, and evaluating the implementation of a Diverging Diamond Interchange on Glades Rd. over I-95. Design coordination responsibilities include developing the RFP package and conceptual design for roadway, signing and markings, toll/express lane signs, drainage, permitting, bridge structures, lighting, signalization, ramp metering, utility coordination, toll facilities, and ITS. Juan is the lead Engineer responsible for the coordination of FDOT's Corridor Design Consultant team performing the review of the Design-Build Firm's plans and shop drawings, CSIs, SAs, RFI resolution, and coordinating with the CEI team, Design-Build Firm, local agencies and other stakeholders. Other responsibilities include providing guidance related to the RFP package requirements, performing constructability reviews, coordinating the review and approval of the design submittals for all disciplines, and assisting with design/construction decisions.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
SR-91 (Florida's Turnpike) from MP 138.037 to MP 153.230, St. Lucie County, Florida	2023	2023
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

CEI Project Engineer/Project Administrator, for this 15-mile, $32 million project includes deep milling and resurfacing, median opening closures, drainage improvements, bridge improvements, lighting, guardrail improvements and safety improvements. Mr. Bolivar is responsible for the day-to day onsite construction project management, work zone traffic control, contractor coordination, project documentation, and resolving utility conflicts and jobsite issues; Juan oversees daily inspections and coordinates with the contractor, subcontractors and FTE. Mr. Bolivar is also responsible for enforcing the CPPR, providing status reports to FTE, and preparing monthly progress reports.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
I-95 Express Corridor Design Consultant (CDC) Phase 3B-1 from SW 10th Street to Glades Rd., Florida	2021	2021
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Design Senior Project Engineer and Constructability Reviewer for the preparation of the RFP criteria package of this $103 million Design-Build project, for the widening, reconstruction and rehabilitation of I-95 to provide two express lanes in each direction. Other improvements include adding auxiliary lanes and a new Bridge over the Hillsboro Canal. Design coordination responsibilities include developing then RFP language and conceptual design for roadway, signing and markings, toll/express lane signs, drainage, permitting, bridge structures, lighting, signalization, ramp metering, utility coordination, toll facilities, and ITS. Other responsibilities include preparing RFP attachments/reference documents, ELOI evaluations, ATC and CSI evaluations, and Technical Proposal Package review. This project required a fast-track schedule where the final draft RFP Package was produced in less than 4 months. Other challenges include hydroplaning analysis and ingress/egress points coordination.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Grant Curtiss, PE, M. ASCE	Structures Team 1 & 11	11	1

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

Stantec Consulting Services Inc. (Jacksonville, Florida)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science, Civil Engineering, Tennessee Technological University, Cookeville, Tennessee, 1974	Professional Engineer #83411, State of Florida Professional Engineer #88009, State of Pennsylvania Professional Engineer #27824 State of Puerto Rico Professional Engineer #44503 State of Georgia Professional Engineer #33863 State of Oklahoma

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
SR 869 Sawgrass Expressway Widening, Fort Lauderdale, Florida	2024	Ongoing
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Project included: six bridge widenings, two of which with prestressed concrete rectangular beams to meet vertical clearance; three new bridges using prestressed concrete Florida-I beams; anchored and cantilevered steel sheet pile and soldier pile walls; box culvert extensions; 22-ft noise walls; sign and signal designs; re-use of existing piles; auger-cast-in-place piles; FRP barrier walls near toll gantries; concrete surface finishes letters; bridge development report; all phases of design (BDR/30%, 60%, 90%, 100%, Final); post-design reviews.

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
I-44/US-75 Interchange Reconstruction, Tulsa, Oklahoma	2023	Pending
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☐ Check if project performed with current firm	

Bridge consisting of four units for a total bridge length of 1,153-ft. Units consisted of prestressed concrete AASHTO Type IV and curved steel built-up weathering steel plate girders to carry traffic. Designed and detailed an 8-feet diameter mono-shaft a rectangular reinforced concrete hammerhead pier cap substructure.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
SH-142 over BNSF Railroad, Ardmore, Oklahoma	2023	N/A
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☐ Check if project performed with current firm	

This severely skewed bridge led to a complicated design that resulted in the use of lean-on bracing and a unique framing plan. High lateral loads from temperature and live load effects were resisted by the bearings and substructure. Analysis was conducted using 3D FEM implemented with recommendations found in NCHRP 725 and NSBA G13.1-2019.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Emergency Inspection at City of Henderson Wastewater Treatment Plant-Oxidation Ditches, Henderson, Nevada	2022	2022
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☐ Check if project performed with current firm	

Task leader for emergency inspection services on existing construction contract where significantly deteriorated reinforced concrete beams were discovered during repair contract after wastewater was drained from oxidation ditches. Inspection included being on-site within 72 hours to provide an immediate response to contractor so that they can continue with work. Prepared and submitted report with repair recommendations in time for contractor to complete work before oxidation ditches were scheduled to be placed back in-service.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Steel Sheet Pile Wall - US41/ NW Norris Bascom Roundabout, Lake City, Florida	2021	2021
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☐ Check if project performed with current firm	

Engineer of record for cantilever steel sheet pile wall with concrete cap retaining fill that supports a new roundabout at intersection. Coordinated with District FDOT Geotech Engineer who provided borings and recommendations for design. Phase III (90%) plans and calculations provided within one week to FDOT for comments.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Marianela Garcia, PE	Structures Team 2	42	22

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

Stantec Consulting Services Inc. (Coral Gables, Florida)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science in Civil Engineering, University of Havana, Havana, Cuba, 1982	Professional Engineer #62396, State of Florida

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
SR A1A/MacArthur Causeway Bridge 870077 Repairs, Miami-Dade County, Florida	2017	Ongoing
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Senior Structural Engineer involved in the development of repair plans for this high-level structure. Repairs included the design of cathodic protection pile jacket systems, pile cap, pier strut, column, and bent repairs. Also included the design of prestressed beam repairs which required reattaching broken strands and also the repair of damaged diaphragms and pedestrian railings. Repairs were performed throughout the bridge, which consisted predominantly of 34 pre-stressed beam spans and at the highest point of the bridge a 3-span continuous steel girder system with a total bridge plan area of approximately 206,000 sf.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Verona Avenue Bridge over Grand Canal, Golden Beach, Florida	2014	2014
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Senior Bridge Engineer for design of a cast-in-place three continuous spans bridge. The substructure consists of drilled-shaft construction to avoid vibrations on adjacent residences

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Districtwide Major and Minor Bridge Repair Services, FDOT District 6, Miami-Dade County, Florida	2011	2013
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Senior Bridge Engineer in charge of various major and minor bridge rehabilitation services under this Districtwide contract. Projects under this contract included: 1) Repairs at Sunny Isles Flyover Bridge including painting structural steel, seal deck cracks with methacrylate, concrete spalls and replacement of new expansion joints; 2) Repairs at A1A bridge over Thompson Creek including spall repairs, installation of pile jackets with cathodic protection, metalizing of bent caps, seal cracks with epoxy injections, and new expansion joint; 3) Repairs at A1A bridge over Spanish Harbor including spall repairs, installation of pile jackets with cathodic protection, metalizing of bent caps, seal cracks with epoxy injections; 4) Repairs at I-95 Ramp 12A bridge including painting structural steel, seal deck cracks with methacrylate, and concrete spalls; 5) Repairs at A1A bridge over Big Spanish Channel/Bahia Honda including spall repairs, installation of pile jackets with cathodic protection, replacement of existing anodes at footers, metalizing of caps, seal deck cracks with methacrylate, and upgrading substandard existing bridge railing. The project included field inspections, preparation of repair and traffic control plans, preparation of Design Specifications including Technical Special Provisions for Spall Repairs, Cathodic Protection, and Metalizing. Scope also includes Fender Repairs.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
City of Fort Lauderdale Replacement of 10 Bridges, Fort Lauderdale, Florida	2008	Ongoing
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Senior Bridge Engineer for this project. The City of Fort Lauderdale has received funding for the execution of these projects from FDOT District 4 through a Local Agency Program (LAP) agreement. Challenges included proximity of existing residences and boats, MOT phasing construction within a limited row, utility coordination and relocations, biological survey, permitting, completion of U.S.C.G (United States Coast Guard) Project Questionnaire Programmatic, Categorical Exclusion checklist, bridge hydraulics and scour determinations, etc.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Kunal Malpani, PE	Structures Team 3 & 11	11	11

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

Stantec Consulting Services Inc. (West Palm Beach, Florida)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Technology, Civil Engineering, National Institute of Technology Karantaka, Surathkal, Karnataka, India, 2010 Master of Science, Civil Engineering, University of Florida, Gainesville, Florida, 2012	Professional Engineer #043016, State of Louisiana

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
I-10 Loyola Design-Build Interchange, New Orleans, Louisiana	2024	2024
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Kunal serves as a Structural design engineer on this multimillion-dollar design-build project that will improve access and traffic operations to and around the new Northfield Terminal at the New Orleans International Airport. The project consists of a DDI, in addition to flyover ramps leading to/from the Airport on the east side of the interchange. The flyover ramps consist of curved twin steel tub girders, prestressed concrete girders and slab spans being supported by a combination of hammerhead bents, wall bents and pile bents. The project is one of the first in the state to implement LU girders. Kunal's responsibilities include the design of the curved twin steel tub girders, LU girders, substructure elements, reviewing shop drawings, and addressing construction submittals including RFIs and NCRs.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
LA12 Bridge Replacements, Louisiana	2024	2024
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

As part of value engineering, Stantec is responsible for designing and detailing the replacement of six structurally deficient bridges along LA State Route 12 in Calcasieu Parish. The project is being executed in two phases of construction, with the first phase of widening to one side in order to accommodate two lanes of traffic, and a second phase to complete the reconstruction. This would allow structure replacement without the requirement of temporary bridges. All bridges consist of LA Quad beam girder spans supported on pile bents. As the project engineer, Kunal is responsible for overseeing all superstructure and substructure design.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ohio River Bridges- Downtown Crossing Design-Build Segment, Louisville, Kentucky	2017	2017
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

As an Engineering Intern, Kunal was responsible for the analysis and design of a 300' 3-span continuous curved and skewed with superelevation transition superstructure using pre-stressed Concrete Type HN66-61 Girders supported on multi column bents. He was also responsible for plan production as well as ensuring the required QA/QC process set forth by the prime consultant was executed properly.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
I-20 and Tarbutton Road Interchange, Ruston, Louisiana	2019	2019
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

This project consists of replacing an existing concrete overpass structure over I-20 near Ruston, LA with a two-span structural steel plate girder structure. The substructure units are supported by drilled shafts to minimize the bridge footprint. Design was performed in accordance with AASHTO LRFD. Kunal assisted with quality control of the superstructure and substructure design and performed the as-designed load rating.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Robert Smith, PE	Structures Team 4	41	12

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

Stantec Consulting Services Inc. (Jacksonville, Florida)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Master of Science, Structural Engineering, University of Cincinnati, Cincinnati, Ohio, 1983 Bachelor of Science, Civil Engineering, University of Cincinnati, Cincinnati, Ohio, 1982	Professional Engineer #38166, State of Florida Professional Engineer #42575, State of Louisiana Professional Engineer #129641, State of Texas Professional Engineer #PE049724E, State of Pennsylvania National Council of Examiners for Engineering & Surveying, #32628

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Homestead Extension of Florida's Turnpike (HEFT) (SR-821) North of Bird Road (SW 40th Street) to SR 836, RFP Development, Florida	2016	N/A
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Engineer of Record responsible for review and load rating of existing structures and conceptual design of widenings, replacement bridge carrying Coral Way (SW 24th Street) over HEFT and two new continuous steel plate girder connector ramp bridges; evaluation of retaining walls and sound barrier walls. The purpose of this project is to develop an RFP to allow the FTE to advertise for procurement of Design/Build services for final design and construction of this project. The project includes widening two dual (NB & SB) mainline bridges over local roads; replacement of bridge carrying Coral Way (SW 24th Street) over HEFT; traffic railing upgrade on Ramp A over C-2 canal bridge; replacement of Ramp SW over C-4 Canal bridge; and two new continuous steel plate girder ramp bridges connecting express lanes between HEFT and SR 836. The project also includes retaining walls, sound barrier walls, and miscellaneous structures for signs and electronic tolling equipment.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Homestead Extension of Florida's Turnpike (HEFT) (SR-821) South of Killian Drive (SW 104th Street) to North of Bird Road (SW 40th Street), RFP Development, Florida	2014	N/A
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Engineer of Record responsible for: review and load rating of existing structures; preliminary design of widenings; BDR development for two replacement bridges; evaluation of retaining walls and sound barrier walls. The purpose of this project is to develop an RFP to allow the FTE to advertise for procurement of Design/Build services for final design and construction of this project. The project has over 170,000 SF of bridge area, including four dual (NB & SB) mainline bridges over local roads, one to be replaced the others to be widened; two single span bridges over canals which are to be widened; and a ramp bridge over a canal to be replaced. The project also includes retaining walls, sound barrier walls, and miscellaneous structures for signs and electronic tolling equipment.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
SR 826/SR 836 Interchange Reconstruction, Miami-Dade County, Florida	2016	2016
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Structural Engineer for Segment 7 of the reconstruction of this $560 million, four-level interchange in the heart of Miami-Dade County. The job includes the design of 23 new bridges that include 2 steel bridges, and 21 Florida I-beam bridges. Other improvements include retaining walls, sound walls, canal relocation, utilities JPA plans, new signing and pavement markings, new ITS, and special aesthetic features. Extensive stakeholder coordination is required with FDOT, MDX, MDC Water & Sewer, utility owners, the Miami International Airport, CSX Transportation, DERM, and SFWMD, etc

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Taylor Perkins, Phd, SE, PE	Structures Team 4 & 8	17	17

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

Stantec Consulting Services Inc. (Lexington, Kentucky)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
PhD, Structural Engineering, University of Kentucky, Lexington, Kentucky, 2017 Master of Science, Civil Engineering, Structures, University of Kentucky, Lexington, Kentucky, 2008 Bachelor Science, Civil Engineering, University of Kentucky, Lexington, Kentucky, 2007	Professional Engineer #77959, State of Florida Professional Engineer #6201066476, State of Michigan Professional Engineer #PE041738, State of Georgia Professional Engineer #PE11800441, State of Indiana, Professional Engineer #5434, State of Minnesota Professional Engineer #2834, Commonwealth of Kentucky Professional Engineer #PE.0047449, State of Louisiana Professional Engineer ##131102, State of Tennessee Professional Structural Engineer #081007182, State of Illinois Professional Structural Engineer #027489, State of Nevada Professional Structural Engineer #PE-19062, State of Hawaii

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
KY 8 over Licking River, Covington and Newport, Kentucky	Ongoing	Ongoing
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Taylor served as Structures Discipline Lead for the PDB project. He was responsible for all structural work, including coordination with other disciplines such as architecture, roadway, geotech, ROW, environmental, and construction. He worked with Rosales to develop four signature concepts and he created a novel system for assessing, scoring, and ranking the concepts to choose the preferred alternative. The selected alternative was a unique 3-line arch bridge spanning 434-ft over the Licking River, the first of its kind in the United States. As part of the preliminary design process, Taylor has engaged with PCL to develop and assess innovation opportunities to help save cost on the project; to-date, these innovations are expected to save over $15M. Taylor is currently leading the bridge team through final design of the structure, which is anticipated to conclude in Spring 2025.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Wellsburg Bridge Quality Assurance Management Services, Wellsburg, West Virginia	Ongoing	Ongoing
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Taylor served as the Structures Discipline Lead for the Quality Assurance Management (QAM) team supporting the WVDOH and overseeing design and construction of the P3 project. The project involves a new Ohio River crossing connecting Wellsburg, WV to Brilliant, OH. As the QAM Structures Discipline Lead for the WVDOH, Taylor provided project documentation development during the pursuit phase working with ODOT, WVDOH and other stakeholders. This includes development of project criteria, which incorporated requirements for 100-year service life as well as redundancy considerations. Taylor also performed QA reviews of all design and plan submittals and technical guidance and coordination on design challenges with the P3 team. During the construction phase of the project Taylor addressed RFIs and performed critical reviews of construction submittals including those for the erection engineering of the arch and float-in operation.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
US 60 Over Cumberland River Bridge Replacement, Smithland, Kentucky	Ongoing	Ongoing
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

EOR for design and plans preparation of 3 bridges and retaining wall system within the interchange. The Golden Glades Interchange is of regional importance providing connectivity to six major principal arterials and/or limited access expressway facilities including I-95/SR 9A, SR 9, SR 91 (Florida's Turnpike), US-441/SR 7 and SR 826. The primary purpose of this project is to provide a direct connection ramp from SR 826/Palmetto Expressway eastbound to I-95 northbound. The job includes the construction of 9 new bridges.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Pere Pla-Junca, MS, PE	Structures Team 8	18	6

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

Stantec Consulting Services Inc. (Coral Gables, Flroida)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Master of Science, Structural Engineering, University of California, Irvine, California, 2010 Master of Science, Structural Engineering, Universitat Politecnica de Catalunya, Barcelona, Spain, 2009 Bachelor of Science, Civil Engineering, Universitat Politecnica de Catalunya, Barcelona, Spain, 2009	Professional Engineer #80512, State of Florida

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
SH 288 Toll Lane Project, Texas DOT, Harris County, Texas	2017	Ongoing
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Pere designed 25 toll gantry structures and 5 DMS sign structures as per Texas DOT standards. The toll gantries consist of span and cantilever overhead structures each comprising a steel box truss on concrete column(s). Pere also provided post design services, which included but were not limited to shop drawings review and design of minor special device brackets and fixtures.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
SR A1A/MacArthur Causeway Bridge 870077 Repairs, Miami-Dade County, Florida	2017	Ongoing
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

This project consists of inspecting and designing the repairs for the existing MacArthur Causeway East Bridge (Bridge #870077). The bridge was built in 1957. It is 2,155 ft long and has 34 prestressed concrete girder approach spans, 15 of them being 45 ft long and the remaining 19 being 65 ft long, and 3 continuous steel girder main spans (70 + 105 + 70 ft). Services included inspection and design of the repairs including cathodic protection of the superstructure of the bridge.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
I-70 Bridges - Back Channel Bridge (Steel Plate Girder Bridge with Pin and Hanger System), Ohio County, West Virginia	2018	TBD
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Engineer of Record responsible for rehabilitation plans, calculations, and load rating of the Back Channel Bridge (part of the I-70 Bridges project). The structure consists of 35 spans of varying type and the bridge is over 2400ft long. The scope includes complete rehabilitation of Piers 7 & 10; surface repairs of Piers 8, 9 & 11-35, and Piers 13-15, 17-24; clean and apply protective coating to all exposed concrete surfaces; replace all bearings per Rehab Report, Deck Replacement Option B; adjust bearing fixities as required to accommodate movements from pin & hanger splices; repair all deteriorated steel sections indicated in Rehab Report; remove welds, grind out defects and perform dye penetrant tests for cracks as indicated in Rehab Report; replace bolts as indicated in Rehab Report; and include pedestal modification as required at each location. Joint types include stripseal; modular dam; pin & hanger catch assembly; pin & hanger splice, full deck replacement per Rehab Report, Deck Replacement Option B. Additionally, convert all spans to composite; replace all bridge drainage elements, and complete cleaning and painting of existing steel. The I-70 Bridges project involves the renovation (preservation including cathodic protection, rehabilitation or replacement) of roadway and bridge facilities along the I-70 Corridor in Ohio County, WV from the Ohio state line to MM12.5, near the structure in Ohio (ODOT Bridge BEL-070-26.84) is also included.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Central Florida DMS Improvements and Replacements, FDOT Central Office, Florida	2018	Ongoing
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

This project consists of replacing 18 DMS signs. Pere inspected and evaluated 18 existing DMS sign structures and analyzed them with the new DMS signs. There are three types of structures in the project: FDOT standard trichord trusses, box trusses, and monotube sign structures.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT *(Complete one Section E for each key person.)*			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Joseph Kelvington, PE	Structures Team 9/ Railroad Bridge	41	13
15. FIRM NAME AND LOCATION *(City and State)*			
Stantec Consulting Services Inc. (Columbia, South Carolina)			
16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*		
Master's in Business Administration, Statesboro, Georgia, 1997 Bachelor of Science, Civil Engineering, Tennessee Technological University, Cookeville, Tennessee, 1983	Professional Engineer #79254, State of Florida Professional Engineer #PE042594, State of Georgia Professional Engineer #0043655 State of Louisiana Professional Engineer #045351, State of North Carolina Professional Engineer #35371, State of South Carolina Professional Engineer #122790, State of Tennessee		
18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
a.	CTA Red-Purple Line Modernization Project	2022	2025
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Led design development for substructures on the Chicago Transit Authority's Lawrence to Bryn Mawr segment. This segment features a 7,380 long viaduct composed of segment box girder spans supported with 134 single column capital piers, 10 hammerhead type substructures and 2 anchor pier and 2 end bent abutment structures. Responsible for pier designs and development of construction documents compliant with AASHTO LRFD and AREMA design specifications.		
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
b.	NCDOT Hampstead Bypass (R-3300A), Wilmington, North Carolina	2025	N/A
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Structure Engineer of Record for design development of five bridges on the Hampstead Bypass. Designs involve prestressed concrete girder spans for single and two-span grade separations on and over the proposed bypass with lengths ranging from 115 feet to 250 feet. Designs feature joint-less bridges with link slabs at interior bents and integral end bent at abutment locations. Responsible for design, design verifications and development of construction documents.		
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
c.	Winter Haven Bridge Inspections, Winter Haven, Florida	2017	N/A
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Coordinated bridge inspections and load rating analysis of bridges over intra-lake drainage canals on 17th Street and on North Lake Howard Drive. The North Lake Howard bridge was a three span reinforced concrete "T" girder supported on pile bents and end bents. The 17th Street bridge was three spans of shallow rolled beams supporting a corrugated metal deck with concrete in-fill. Substructures at 17th Street consisted of steel frame piers and concrete caps on piles at abutments with distressed retaining walls. Work involved detailed reporting and documentation of existing conditions in addition to determination of FDOT legal load ratings for bridge superstructure and substructure units.		
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
d.	Dual Bridges on SR 17 (US 78) over Big Creek and Hart Creek, McDuffie County, Georgia	2017	2020
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Furnished project coordination and engineering QA/QC review for multi span crossings at two (2) separate locations for roadway improvements to US 78. The crossing at Big Creek is a 3-span bridge that has a total length of 320' feet and conforms to GDOT specifications. Spans are arranged in lengths of 105', 110' and 105' consisting of a concrete deck on AASHTO BT63 prestressed concrete girder sections (63" deep). Reinforced concrete post and beam interior bents and end bent caps with turned back wing walls were designed to GDOT standards. The end bents are set on driven steel piles and the interior bents are constructed on drilled caissons. The bridge over Hart Creek is a 3-span bridge that has a total length of 180' feet that are arranged in lengths of 50', 80' and 50' consisting of a concrete deck on Type II (36" deep) and Type III (45" deep) standard AASHTO prestressed concrete girders. Reinforced concrete post and beam interior bents and end bent caps with turned back wing walls were designed to GDOT standards. The end bents are supported on driven steel piles, and interior bents are supported on 5'-0" diameter drilled caissons.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT *(Complete one Section E for each key person.)*			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Maurice DeBeary, PE	Structures Team 10	40	19
15. FIRM NAME AND LOCATION *(City and State)*			
Stantec Consulting Services Inc. (Laurel, Maryland)			
16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*		
Bachelor of Science, Architectural & Structural Engineering, A&T State University, North Carolina, 1983	Professional Engineer #22025, State of Maryland		
18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
a.	Comprehensive Preliminary and Final Engineering Design Services, Contracts AE 2798 & AE 3038, Statewide, Maryland	2025	Varies
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Deputy Project Manager responsible for management and administration of the overall JV contracts and task assignments, including up to 12 subconsultants and JV partners. Maurice assists with all assignments in terms of task proposals, budgets, invoicing, overall schedules, and resource / firm allocations and the verification of MBE compliance. He is responsible for this $16M, 5-year, comprehensive engineering, design, inspection, and construction services for MDTA's toll facilities including signature and routine bridges, moveable bridges, tunnels, interstate highways, toll booths and buildings, and other facilities. .		
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
b.	Washington Metropolitan Area Transit Authority – Rail Heavy Repair and Overall Facility (HRO) Design-Build, Landover, Maryland	2024	N/A
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Maurice was the Design Quality Manager and the Design Engineering Manager responsible for setting the quality assurance and quality control standards of the design phase on this project. Stantec has provided design and QA/QC related services for the Phase 1; which includes Site Preparation Design 100% Package (SP-3) and 60% Design/Build Package Final Pre-Construction (DB-3 submittals for HP). This project includes the Parking Garage, Surface Parking Lot, Pedestrian Bridge, HRO Building Layout and Equipment, HRO Building Foundations, ATIV Track and Building, Stream/Wetlands Impacts, and WSSC 60-inch Water Line, permitting, roadway and ATC System. In addition to project management and design services, Stantec was responsible for the Quality Control Management of the Design Services for this project. Maurice generated the Project Design Control Plan which outlined the quality checking procedures and document control procedures for all contract documents (design drawings, supporting computations, specifications, design reports, design analyses, shop drawings, working drawings, site survey data, Geotech data, etc.). He also generated Quality Plan and Quality Procedures documents for the design team to adhere to while navigating through the design and production of contract drawings. Maurice was responsible for reviewing all design related submittals prior to distribution to the client to ensure the checking procedures were adhered to and filed properly. He also assisted in the development of the Certifiable Items List (CIL), Preliminary Hazard Analysis (PHA), Threat Vulnerability Assessment (TVA), and Safety and Security Certification Plan (SSCP) documents for this project for WMATA's review and discussion. Maurice utilized various web-based software to communicate, review, and deliver submittals amongst the design team and WMATA such as Autodesk® Building Information Modeling (BIM 360), Procore®, ProjectSight®, and Bluebeam Revu®.		
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
c.	Replacement of Edmondson Ave. Bridge over Gwynns Falls & CSX Contract #889, Baltimore, Maryland	2021	2022
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	JV Deputy Project Manager responsible for management and administration of the overall JV contracts and task assignments, including up to 12 subconsultants and JV partners. He assists with all assignments in terms of task proposals, budgets, invoicing, overall schedules, and resource / firm allocations and the verification of MBE compliance. A Typical assignment was for the design of repairs and development of Contract Documents for the rehab of 17 bridges on the Baltimore Harbor Tunnel (BHT) facility. This included the development of MOT plans for all 17 bridges. Maurice also managed Construction Phase Services as part of the BHT bridge rehabilitation task, which included review and response to Contractor RFIs, and review and acceptance of Contractor submittals. Maurice was the Stantec PM and Review manager for the MD 7 Bridge project in Cecil County. MOT options included staged construction with a temporary traffic light and a 14-week detour.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Dominick DeJohn, PE	Structures Team 12	11	2

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

Stantec Consulting Services Inc. (Sarasota, Florida)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science, Civil Engineering, Louisiana State University, Baton Rouge, Louisiana, 2013	Professional Engineer #43704, State of Louisiana Professional Engineer #24739, State of Delaware Professional Engineer #54881, State of Maryland Professional Engineer #0402063654, State of Virginia Professional Engineer #37941, State of Kentucky Professional Engineer #88859, State of Ohio Professional Engineer #95656, State of Florida Professional Engineer #152906, State of Texas Professional Engineer #6201314455, State of Michigan Commercial Diver #60664, Association of Diving Contractors International Commercial Diver #20180560, Diver Certification Board of Canada

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Statewide Underwater Bridge Inspections, Kentucky	Ongoing	N/A
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Worked as a project/materials manager on the construction of $70 Million, 13 bridge project on I-79 in north central WV. Bridges were rehabilitated with new abutments and new decks, majority also widened to 3 lanes. Coordinated inspection staff, reviewed daily reports and resolved construction/design issues in the field. Utilizing AASHTOWare Projects, reviewed and certified materials that were incorporated into the project to ensure project criteria was met.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
WisDOT Underwater Bridge Inspection, Wisconsin	Ongoing	N/A
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

The project required underwater inspections on several statewide bridges. The bridge types consisted of reinforced concrete, prestressed concrete, and steel members. The team conducted inspections following the Wisconsin manual for bridge inspections and the FHWA National Bridge Inspection Standards. Dominick served as team leader and inspection diver, and reviewed the inspection reports assigned to this project. The divers utilized the most cost-effective equipment pertaining to the field conditions (SCUBA, Surface Supplied Air, etc.).

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Mississippi Bridge Inspections, Mississippi	Ongoing	N/A
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

This project required routine inspections on several statewide bridges. The bridge types consists of reinforced concrete, timber, and steel members. The team conducted inspections following the Mississippi manual for bridge inspections and the FHWA National Bridge Inspection Standards. Dominick served as team leader and inspector and reviewed the inspection reports assigned to this project.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Port of Corpus Christi Authority Oil Dock Underwater Inspection Services, Texas	2024	N/A
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

The project required in-depth underwater inspections on reinforced concrete piles, steel pipe piles, and steel sheet pile bulkheads. The inspections conformed to the ASCE manual for "Waterfront Facilities Inspection and Assessment". Dominick served as underwater inspection team leader and prepared the inspection report for the assignment. The divers utilized Surface Supplied Air diving equipment per OSHA and ADCI standards. Acoustic imaging was performed on the underwater portions of the structures and the data was post processed and combined for the report.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT *(Complete one Section E for each key person.)*			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Mickey Harrison, PE	Structures Team 13	45	5
15. FIRM NAME AND LOCATION *(City and State)*			
Stantec Consulting Services Inc. (Overland Park (College Blvd), Kansas)			
16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*		
Bachelor of Science, Civil Engineering, University of Missouri, Columbia, 1979	Professional Engineer #70123, State of Florida Professional Engineer #0028313, State of Louisiana Professional Engineer #021052, State of Missouri Professional Engineer #036100, State of North Carolina Professional Engineer #28459, State of South Carolina Professional Engineer #0402046954, State of Virginia		
18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*			

19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	CPKC Bridge MP 46.30 Mechanical Upgrades, Naheola, Alabama	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
		Ongoing	Ongoing
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Mickey served as the Lead Design Engineer for a moveable railroad vertical lift bridge over the Tombigbee waterway. CPKC has acquired and is upgrading the bridge structural and operational equipment. Work includes installation of new rail joints, increasing the size of rail over the bridge, new operating bridge locks, inspection and repair of the mechanical systems and replacement of the electrical system on the bridge. Project includes new electrical building, new generator and operator's office building and remodeling the existing machinery room and existing operator's station.		
b.	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	R.J. Corman - Clarksville Swing Span Bridge Electrical Upgrades, Clarksville, Tennessee	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
		2025	2025
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Mickey served as the Lead Design Engineer for the automation of an 1890"s railroad swing bridge over the Cumberland River. The project goal was to allow the railroad to close the span from the locomotive. The final phase of the project included installation of new electrical equipment and a hybrid mixture of new and existing machinery to operate the span. The bridge went form a completely manual operation to a remote control operation using VFD's and a PLC control system. Bridge operated via a PLC control system interfaced with a separate DTMF communication system that sends commands to the control system and receives information from the control system to make the locomotive engineers aware of the general operation. The work also included modification of the bridge without altering the outward historic appearance of the bridge.		
c.	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	CBRL - North Bend Bridge, Port of Coos Bay, Oregon	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
		2025	Ongoing
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Deputy Project Manager/EOR for structural repairs due to ratings for 3 century old swing spans in Oregon. Also included repairs to mechanical and electrical systems on each swing span. The project involves upgrading the structural ratings efficiently to get the greatest reward for the work done and prioritization of the repairs. Repair design minimizes the downtime required to perform the repairs. The ratings performed were examined by area to determine the controlling rating of the truss spans and develop a plna based on the location of the truss to perform common repairs. The repair approach was standardized where possible to decrease the time needed to perform the work and perform the most repairs practical for that section of the span. Reinforcement and repair to original was the primary method of upgrading however there were sections where member replacement was less expensive. Member replacement and shoring designs were provided where replacement of the structure made the most sense for that location and to prevent re-work in the subsequent phase.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT *(Complete one Section E for each key person.)*			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Naveed Mohammed, PE	Structures Team 14	25	23
15. FIRM NAME AND LOCATION *(City and State)*			
Stantec Consulting Services Inc. (Coral Gables, Florida)			
16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*		
Master of Science, Civil Engineering, University of Miami, Miami, Florida, 2000 Bachelor of Science, Civil and Architectural Engineering, University of Miami, Miami, Florida, 1999	Professional Engineer #62437, State of Florida		
18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*			

19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
a.	SR A1A/MacArthur Causeway Bridge 870077 Repairs, Miami-Dade County, Florida	2017	Ongoing
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Project Engineer responsible for the development of repair plans for this high level structure. The repairs to this high level structure included steel rocker and fixed bearing replacements of the three-span continuous steel plate girder channel span. This required the design of the jacking system which included supporting a 20" watermain in place. In addition, the fender system and pilings were rehabilitated, the bulkhead was restored, several expansion joints were replaced and the three span steel plate girder segment was painted (included lead paint removal).		
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
b.	Shared Use Path for Pedestrians and Bicyclists (M-Path) along SR 5 (US-1) from Datran Drive to SW 67th Avenue Design-Build, Miami-Dade County, FDOT District 6	2011	2013
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Structure Engineer of Record for the 1.25 mile segment of shared-use trail which includes a prefabricated steel truss bridge crossing over the SR 878 on-ramp that includes security camera and lighting components. It extends the existing M-path south from SW 67th Avenue to Datran Drive thus providing a continuous connection that will link the existing path to the "South Dade Trail" (a 10-mile shared-use path under the elevated Metrorail guideways.		
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
c.	Districtwide Major and Minor Bridge Repair Services, Florida	2011	2013
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Project Engineer in charge of various major and minor bridge rehabilitation services. Projects under this contract included: 1) Repairs at A1A bridge over Spanish Harbor including spall repairs, installation of pile jackets with cathodic protection, metalizing of bent caps, seal cracks with epoxy injections; 2) Repairs at A1A Bridge over Sugarloaf channel including spall repairs, installation of pile jackets with impressed current cathodic protection on columns/drilled shafts; 3) Repairs at So that bridge over Big Spanish Channel/Bahia Honda including spall repairs, installation of pile jackets with cathodic protection, replacement of existing anodes at footers, metalizing of caps, seal deck cracks with methacrylate, and upgrading substandard existing bridge railing. The project included field inspections, preparation of repair and traffic control plans, and preparation of design specifications including technical special provisions for spall repairs, cathodic protection, and metalizing.		
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
d.	10th Avenue North Over Keller Canal (E-4) Palm Beach County, Florida	2010	2013
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Structural Engineer providing the design services for the improvements to the 10th Avenue North bridge over the E-4 (Keller) canal. The project consists of the removal of the existing sidewalk and railings along the North and South sides of the bridge and design of two pedestrian bridges. The removed sections of the bridge will be replaced with standard prestressed slabs and traffic railings, at level with the existing bridge deck, in order to provide 5 travel lanes across the bridge with 4 ft. shoulders on either side. In addition, utility relocation is required to reattach the existing utilities across the bridge after the replacement of the bridge railing. Two pedestrian bridges on either side of the existing vehicular bridge were constructed. Each of the steel truss structures are 125 ft. long not fully enclosed, span over water, and are supported on soil anchor foundations.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Christopher Gamache, PE	Structures Team 15	30	1

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

Stantec Consulting Services Inc. (Coral Gables, Florida)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Master of Science, Civil Engineering, University of Maine, Orono, Maine, 2001 Bachelor of Science, Civil Engineering, University of Maine, Orono, Maine, 1999	Professional Engineer #82122, State of Florida Professional Engineer #46582, State of Massachusetts

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

Advanced Building Code Course, Clearwater, FL, United States, 2021
Safety Inspection of In-Services Bridge, FHWA-NHI, Clearwater, Florida, 2019

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Stan Gober Memorial Bridge Rehabilitation, Collier County, Florida	Ongoing	Ongoing
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Chris served ad Engineer of Record and bridge inspector for the Stan Gober Memorial Bridge (formerly the Goodland Bridge) carrying CR 92 (San Marco Rd) over Marco Channel. He led the inspection for the 22-span, 1,840-foot-long structure to evaluate repairs for the concrete deck, prestressed beams, piers, and bents. He also assisted in the preparation of the Bridge Repair and Assessment Report used to evaluate the limits and extents of necessary repairs as well as alternatives for the types of repairs available. Chris prepared the plans, specifications, and construction cost estimates for the rehabilitation effort.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
40th Avenue NE Bridge Replacement, St. Petersburg, Florida	2023	2023
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Chris served as Engineer of Record for preparing preliminary design, development and environmental (PD&E), final designs, and biddable construction contract documents to replace the 40th Avenue NE Bridge (No. 157154). The project included the design of a prestressed concrete bridge reinforced with carbon fiber reinforced polymer (CFRP), glass fiber-reinforced polymer (GFRP), and stainless steel. It also included utility coordination, environmental permitting, and preparation of biddable and constructible documents. Stantec considered sea level rise and sustainability for the final design. Key elements included a Bridge Development Report, a Bridge Hydraulic Report with coastal wave force analysis, public workshops, and all documents required by NEPA including a noise study, a cultural resources evaluation, and natural resources evaluations.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Citywide Bridge Maintenance Repairs, City of Sarasota, Florida	2019	2019
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Engineer-of-Record for the preparation of maintenance repair plans for 19 bridges owned by the City of Sarasota. Design plans detailed maintenance repairs necessary to address all the issues identified during inspections as well as the preparation of technical specifications and construction cost estimates. Bid service and construction phase services were also provided.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Citywide Bridge Prioritization Program, City of Sarasota, Florida	2017	2017
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Chris served as Engineer-of-Record and team leader for the inspection, evaluation, and assessment of 19 bridges owned by the City of Sarasota. An evaluation report was prepared outlining current issues, necessary repairs, remaining design life, as well as the estimated time and cost of current repairs and future replacement. Bid services and construction phase services were also provided.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT *(Complete one Section E for each key person.)*			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Patrick Leung, PE	Roadway/Traffic Control	40	19
15. FIRM NAME AND LOCATION *(City and State)*			
Stantec Consulting Services Inc. (Deerfield Beach, Florida)			
16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*		
Bachelor of Science ,Civil Engineering, University of Miami, Miami, Florida, 1987 Bachelor of Science, Architectural Engineering, University of Miami, Miami, Florida, 1987 Associate of Science, Engineering, Broward Community College, Fort Lauderdale, Florida, 1983	Professional Engineer #50617, State of Florida		
18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*			

19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
b.	I-95 Express Corridor Design Consultant (CDC) Phase 3B-1 & 3B-2 from SW 10 Street to Glades Road, and from Glades Road to Linton Boulevard, Broward County, Florida	Ongoing	2021
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	This DB project is to provide two express lanes each direction on I-95 by converting an existing HOV lane and adding one express lane by outside widening. Other improvements include adding auxiliary lanes both directions, a new Hillsboro Canal Bridge in Phase 3B-1, and reconstructing Clint Moore Rd Bridge in Phase 3B-2. Patrick is the strike team lead for the design concepts of these two segments and for preparing the RFP criteria packages. His design coordination responsibilities include aerial scope plots; roadway; signing and markings (toll / express lane signage included); drainage, permitting, bridge structures; lighting; signalization (including ramp metering); utility coordination; toll facilities, and ITS. Other responsibilities include RFP languages; RFP attached / reference documents; ELOI evaluations ATCs evaluations; and Technical Packages evaluations. Extremely fast track schedule where Phase 3B-1's draft RFP Package was produced in less than 4 months. There were significant challenges with the express lanes' ingress / egress points that were changed multiple times during the procurement phase due to updated traffic data and Turnpike inputs.		
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
a.	SR-821 / HEFT from North of Bird Road to SR-836 RFP Package, Miami-Dade County, Florida	2022	2024
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Project Manager and Engineer of Record responsible for preparing the RFP Package and provides Procurement Services for Florida Turnpike Enterprise for this $133.2 million D/B Project. The project scopes included the overall design concept for the widening and resurfacing of the mainline HEFT; extend and add new auxiliary lanes; new noise walls; new conventional and electronic toll signs; new ITS structures; new lightings; signalizations; drainage upgrades; side streets improvements; bridges widening over side streets and canals; bridge replacement over HEFT on Coral Way; and new express lanes connector ramp bridges to and from SR-836. Modification to the HEFT mainline horizontal and vertical geometries was part of the innovative approaches to achieve the design objectives. Under his guidance, his team provided innovative approaches to resolve permitting issues with SFWMD for a ramp bridge over C-4 Canal, and utility issues with FGT (Florida Gas Transmission) gas line under the HEFT mainline overpass at SW 8th Street.		
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
c.	I-95 Express Corridor Design Consultant (CDC) Phase 3A-2 from Commercial Blvd. to SW 10 Street, Broward County, Florida	2019	Ongoing
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	This DB project provides two express lanes in each direction on I-95 by converting an existing HOV lane and adding one express lane by outside widening. It's a very fast track DB project with many scope changes after letting. Patrick is representing the CDC team as the Design Liaison, for post design services, responsible for the coordination for the review and approval of the design submittals for all design disciplines, RFIs, shop drawings, CSIs, SAs, and design / construction decisions. The post design services include attending all progress and resolution meetings. Special design support and coordination efforts include FEC ROW acquisitions for the I-95 over FEC Bridge, Bridge Load Rating analyses revaluations, resolve local agencies' issues (including cross streets), and provide/coordinate design resolutions whenever design/ construction issue arises.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT *(Complete one Section E for each key person.)*			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Todd DeMunda, PE	Coastal Eng./Scour	19	5
15. FIRM NAME AND LOCATION *(City and State)*			
Stantec Consulting Services Inc. (Orlando, Florida)			
16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*		
M.C.E. Coastal Engineering, University of Delaware Newark, Delaware, 2006 Bachelor of Science, Ocean Engineering, University of Rhode Island, Kingston, Rhode Island, 2004	Professional Engineer #71585, State of Florida Professional Engineer #41527, State of Maryland Professional Engineer #052240, State of North Carolina Professional Engineer #PE50148, State of Alabama		
18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*			

19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	SR A1A Over Sebastian Inlet - Bridge Hydraulics and Scour Sebastian, Florida	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
		2022	N/A
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	As part of the redesign of the SR A1A bridge over Sebastian Inlet in the east coast of Florida, Mr. DeMunda was part of the coastal engineering team responsible for developing the Bridge Hydraulic Report (BHR) describing the hydrodynamic and scour conditions of the bridge location during existing, construction, and post-construction conditions. This analysis included the development of a 2D ADCIRC model driven by design storm surge hydrographs to determine local hydrodynamic characteristics during extreme storm events and the associated contraction and pier scour using the FDOT Bridge Scour Manual and related tools.		
b.	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	Bridge Scour Analyses, Collier County, Florida	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
		2021	N/A
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Stantec is under contract with Collier County, FL to perform bridge inspections, scour analyses, and rehabilitation plans for a number of bridges. As part of this effort, Todd developed and used 2D numerical models with Delft3D to assess the hydrodynamic characteristics in the bridge vicinities during extreme events, and subsequently using these modeled characteristics to assess several types of bridge and channel scour. The results of the scour analysis were used to inform the required mitigation and rehabilitation measures for protecting the structure from compromise or failure.		
c.	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	Bridge Hydraulic Report State Road 292, Perdido Key, Florida	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
		2015	N/A
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☐ Check if project performed with current firm	
	Developed a coupled ADCIRC+SWAN model, driven by satellite-derived hindcast wind fields from Oceanweather, Inc.'s GROW2012 model, to simulate various return period hurricanes on the Florida Panhandle to determine design flood levels and current velocities in support of a new bridge design along a hurricane evacuation route between Perdido Key and the mainland. Model results were used to estimate peak water levels, current magnitudes, and bridge piling scour to support the structural design team.		
d.	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	Cooper's Bayou Circulation Enhancements, Clearwater, Florida	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
		2018	N/A
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☐ Check if project performed with current firm	
	Developed a Delft3D hydrodynamic and constituent transport model to simulate the flushing and dispersion of stormwater inflows under both existing conditions and a selection of potential hydraulic modifications within Cooper's Bayou in western Old Tampa Bay, including channel enhancement, dredging, and causeway modifications. Model results will help inform the potential for improving water quality and restoring seagrass beds in Cooper's Bayou.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Charles Long	CEI Staff	18	5

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

Stantec Consulting Services Inc. (Lake Mary, Florida)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science, Engineering Technology Design, University of Central Florida, Orlando, Florida, 2023	

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

FDOT Advanced MOT, Clearwater, Florida, 2023; CTQP QC Manager, Clearwater, Florida, 2023; CTQP Final Estimates, Level I & II, Clearwater, Florida, 2023; CTQP Earthwork, Level I & II, Clearwater, Florida, 2023; CTQP Concrete Field Inspector, Level I, Clearwater, Florida, 2023; CPM Schedule Review & Analysis, Clearwater, Florida, 2023; CTQP Asphalt Paving, Level I & II, Clearwater, Florida, 2023

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Milling and Resurfacing SR 11 from Volusia County Line to SR 5, FDOT Deland Operations Center, Florida	Ongoing	Ongoing
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Project Administrator for Roundabout construction and widening on state road 11. Work also includes base, drainage pipe structure improvements, lighting, and signing and pavement marking. Responsibilities included construction inspection staff and materials testing, coordination meetings with contractor and stakeholders, resolving project conflicts, developing and executing Work Orders and Supplemental Agreements, as well resolving/attending to public inquiries and requests.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
SR 46 from East of SR 415 to CR 426 (FPN: 240216-7-52-01), Oviedo Operations Center, Florida	2016	2019
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Project consisted of milling and resurfacing, shoulder widening, drainage, signing and pavement markings, and signalization along the section of SR 46 from east of SR 415 to CR 426 in Seminole County. Mr. Long's responsibilities included overseeing construction inspection staff and materials testing, holding project coordination meetings, processing monthly invoices for payment to the contractor, resolving project conflicts through experience and innovation, developing and executing Work Orders and Supplemental Agreements, and resolving public inquiries and requests

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Spring to Spring Trail US 17/92 (FPN: 436434-1-52-01, 436434-2-52-01), Oviedo Operations Center, Florida	2016	2019
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Multi-fin shared-use trail project in Seminole and Volusia County over the St. Johns River on 17/92 bridge. Mr. Long's responsibilities included overseeing construction inspection staff and materials testing, holding project coordination meetings, processing monthly invoices for payment to the contractor, resolving project conflicts through experience and innovation, developing and executing Work Orders and Supplemental Agreements, and resolving public inquiries and requests.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
SR 50 from Corner School Drive to SR 520 and St Anne Street to Brevard County Line (FPN: 430673-1-52-01, 430673-2-52-01), Oviedo Operations Center, Florida	2015	2016
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Multi-fin consisting of removing a portion of an existing bridge, bridge expansion joint rehabilitation, bridge railing retrofit, pavement milling, asphalt paving, drainage culverts, concrete curbs, guardrail, pavement marking, roadway signing, and traffic signal work within Orange County. Mr. Long's responsibilities included overseeing construction inspection staff and materials testing, holding project coordination meetings, processing monthly invoices for payment to the contractor, resolving project conflicts through experience and innovation, developing and executing Work Orders and Supplemental Agreements, and resolving public inquiries and requests.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Donald Mattson, PE	Drainage/ Bridge Hydraulics	31	29

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

Stantec Consulting Services Inc. (West Palm Beach, Florida)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science, Civil Engineering, University of Central Florida, Orlando, Florida, 1994	Professional Engineer #88531, State of Florida

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
State Road 7 from Okeechobee Boulevard to Northlake Boulevard, Palm Beach County, Florida	Ongoing	2027 est.
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Don served as Project Engineer for an 8.5-mile segment of roadway through an environmentally sensitive corridor. Design included a 12-foot shared use path, 6-foot sidewalk, ADA compliance, roadway widening, new construction, two roundabouts, lighting, signalization, safety improvements, two bridges, drainage including conveyance pipes mounted to bridge beams, and stormwater permitting.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Northlake Boulevard from east of Hall Boulevard to Coconut Boulevard, Palm Beach County, Florida	Ongoing	2027 est.
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Don served as Project Manager responsible for providing construction plans for this 2.4 mile long project which includes roadway widening to convert 2 lanes undivided to a 4 lane divided section with bicycle lanes, sidewalk, drainage design with offsite ponds, and stormwater permitting. Thorough coordination with adjacent development was required to provide for the future ultimate roadway features.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
SR 9/I-95 at CR 606/Oslo Road Interchange, Indian River County, Florida	2023	2027 est.
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Don served as Project Engineer for this project which included design of a new partial cloverleaf interchange with roadway, drainage, bridge replacement, realignment of 82nd Ave. an existing adjacent roadway, lighting, ITS, landscaping, and right of way acquisition.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
6th Avenue South over Lake Osborne Bridge Replacement, Palm Beach County, Florida	2022	2024
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Don served as Project Manager responsible for providing construction plans for this 1 mile long project from Congress Ave. to Sunset Drive which includes roadway widening, bicycle lanes, sidewalk, rural to urban typical section, drainage design and permitting, bridge replacement to provide adequate vertical clearance, and coordination with adjacent public park and private residences. The project also required a Bridge and Alignment Study prior to design to evaluate several design alternatives.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT *(Complete one Section E for each key person.)*			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Michael Drauer, MS	Environmental (as needed)	24	20
15. FIRM NAME AND LOCATION *(City and State)*			
Stantec Consulting Services Inc. (Lake Mary, Florida)			
16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*		
Master of Biological Sciences, University of Central Florida Orlando, Florida, 1997 Bachelor of Science, Biology, University of Michigan, Ann Arbor, Michigan, 1993	Gopher Tortoise Agent, GTA-10-00024, 2010		
18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
a.	I-95 Interchange at Pioneer Trail, Volusia County, Florida	2025	N/A
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	For this PD&E Study, Mike conducted the noise study, conducted wetland and wildlife surveys, and prepared environmental documents to assist in the obtaining of final approvals. This project continued into design where additional work was performed to secure the environmental permits for the project.		
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
b.	North Lake Trail, Phase 3, Lake County, Florida	2025	N/A
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	For this PD&E Study, Mike is leading the environmental team on the wetland and wildlife studies, preparing an Environmental Assessment Report, and coordinating with the Ocala National Forest in an effort to site a multi-use trail from Umatilla to Astor Park.		
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
c.	I-75 PD&E Study, SR 200 to SR 326, Florida	2024	N/A
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	For this PD&E Study, Mike led the environmental team conducting wetland and wildlife surveys and prepared the Natural Resource Evaluation Document.		
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
d.	SR A1A Bridge over the Sebastian River Bridge Replacement PD&E, Florida	2023	N/A
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Mike was responsible for preparing the Natural Resource Evaluation Report and the coordination with the US Coast Guard for establishing the navigational clearance limits for the replacement bridge. This entailed conducting a navigational needs assessment with a vessel survey, user survey from local boaters, and engineering and environmental analysis of various bridge height alternatives. Coordination with USCG bridge staff resulted in a satisfactory vertical clearance being established for bridge permitting when design is completed.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT *(Complete one Section E for each key person.)*			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Sreenivas Alampalli, PSM	Survey/SUE/Hydraulic Survey	33	3
15. FIRM NAME AND LOCATION *(City and State)*			
Stantec Consulting Services Inc. (New York, New York)			
16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*		
MBA, Management & Technology, Rensselaer, Troy, New York, 2000 Ph.D., Civil Engineering, Rensselaer, Troy, New York, 1990 Master of Science, Civil Engineering, Indian Institute of Technology, Kharagpur, Kharagpur, India, 1985 B.S. in Civil Engineering, Sri Venkateswara University, Tirupati, Andhra Pradesh, India, 1983	Professional Engineer #069850, State of New York		
18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*			

19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	Biennial Inspection of Governor Mario Cuomo Cable Stayed Bridges, New York	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
		Ongoing	N/A
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Project involves biennial, interim, and special inspection (including nondestructive testing as needed) of two cable stayed bridges owned and maintained by the NYS Thruway Authority following the federal, state, and authority bridge inspection standards.		
b.	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	Independent Peer Review, Monitoring and Analysis of A. Murray MacKay (AMM) Bridge Foundation	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
		Ongoing	N/A
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Scope of this task included independent peer review of technical documents from the last 20 years provided by Halifax Harbour Bridge Authority (HHB) related to A. Murray MacKay (AMM) Pier D1 Foundation and also make recommendations for further work. Based on these, currently designing and conducting structural monitoring, review material testing protocols and global analysys, and develop detailed finite element model calibrated using monitoring and core tetsing data for predicting its future performance. Results will be used to make maintenance and capital program decisions to restore the structural integrity of this bridge foundation for desired service life and performance level established by HHB.		
c.	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	Long-Term Monitoring and Nondestructive Testing of Bronx-Whitestone Suspension Bridge , New York	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
		Ongoing	N/A
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Project involves instrumentation of Bronx-Whitestone suspension bridge for long-term monitoring to better understand its structural behavior including tower, joint, and linkage movements. Based on data collected, develop appropriate thresholds for monitoring and actions required if any alarms are triggered. A customized software was developed for data analysis and inetrpretation. Project also involved nondestructive testing, coring, and leak testing to evaluate select components of the bridge saddle housings to provide recommendations for extending their service life through appropriate repairs and rehabilitation measures		
d.	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	Asset Inventory and Priority Listing of Assets, New York	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
		Ongoing	N/A
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Mark managed a project involving GIS database design and data compilation, utilities research, subsurface utility investigations and designation, and surveying. This included full GIS attribution for subsurface utilities within a major portion of Hookers Point and Pendola Point for the Port Tampa Bay. The GIS portion of the project included locating and collecting data for all subsurface and above-ground utility appurtenances including fiber optic, water, stormwater, electric, natural gas, and ammonia. During Phase 1, a GIS database was developed to house all the locations and required attribution. The Esri Local Government Model was used as a template, but it was heavily modified to fit the needs of locating underground utilities. Phase 2 involved the population of the GIS database using the Port's as-builts. Stantec used ArcGIS for AutoCAD to directly populate the GIS database from the as-builts.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT *(Complete one Section E for each key person.)*			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Dave Clarke PE, CFM	Utility Coordination/Design	22	22
15. FIRM NAME AND LOCATION *(City and State)*			
Stantec Consulting Services Inc. (New York, New York)			
16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*		
Master of Science, Civil Engineering, Florida International University, Miami, Florida, 2008 Bachelor of Science, Civil Engineering, Florida International University, Miami, Florida, 2002	Professional Engineer #66553, State of Florida Certified Floodplain Manager #US-12-06737, State of Florida		
18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.*			

19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
a.	SR 90 (Tamiami Trail) 2.3 mile Bridging from East of Osceola Camp to West of Airboat Association of Florida, Miami-Dade County, Florida	2017	Ongoing
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	The proposed improvements include two separate bridges along Tamiami Trail from the east and west. The bridges create conveyance openings by removing sections of the existing highway corresponding to the locations of the new bridge spans. Senior Utility Coordinator responsible for identifying the list of existing utility agency/ owners (UAOs) and developing utility conflict matrix; Identifying general locations of existing facilities (type, size/ voltage, pipe material, etc.); Working with lighting, signals, tolls, future toll sites and ITS to determine service points; Holding DB utility information meeting and bi-weekly meetings with UAO's; Identifying how utility exists (i.e., within the public roadway right-of-way, within easement, on private property, previously subordinated, etc.); and requesting soft digs at critical locations to determine if utility is in conflict. If relocation is required, request cost estimates, Utility Work Schedules, Agreements etc.		
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
b.	SR 9/I-95 at CR 606/Oslo Road Interchange, Indian River County, Florida	2023	Ongoing
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Senior Utility Coordinator for this projects that includes construction of a new rural diamond interchange with partial clover leaf loop ramps at SR 9 (I-95) and CR 606 (Oslo Road). The project also includes the widening of Oslo Road, replacement of the existing Oslo Road bridge over I-95, relocation of 82nd Avenue SW at Oslo Road, and access management improvements at 86th Ave. SW and 13th Street SW. Responsible for identifying the list of all existing utility (UA/O) and development of utility conflict matrix. Identify the general locations of all existing facilities including the facility type, size / voltage, pipe material, etc. Determine service points for lighting, signals, & ITS. Hold a utility information meeting to discuss the project scope with UA/O's. Identify how the utility exists. Assist UA/Os in preparation of Utility Work Schedules, Utility Work Agreements, and cost estimates.		
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
c.	SR-821 / HEFT from North of Bird Road to SR-836 RFP Package, Miami-Dade County, Florida	2022	2024
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Improvements of HEFT (3.15 miles) which includes Express Lanes, Bridge Construction, sound walls, drainage, ITS, lighting and utility relocations. Sr. Utility Coordinator responsible for identifying the list of all existing utility agency/ owners (UAO): Agency, name, address, phone(s), email. Identify the general locations of all existing facilities including the facility type, size / voltage, pipe material, etc. (obtain the utility "greenlines" from all identified UAO's). Work with lighting, signals, tolls, future toll sites and ITS to determine service points. Hold a design build utility information meeting to discuss the project scope with UAO's. Identify how the utility exists (i.e., within the public roadway right-of-way, within easement, on private property, previously subordinated, etc.). Identify UAO's special concerns or risk and how could it be mitigated. If relocation is required to accommodate the project, obtain a ballpark (order of magnitude) cost estimate for relocation and if the UAO require additional right-of-way or could relocation occur within the existing right-of-way envelope. Review and comment of Design-Build Firms letters of Interest and technical proposal as it relates to utility coordination.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT *(Complete one Section E for each key person.)*			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Janette Lachowski, PE	Roadway/Traffic Control/ Navigational Lighting	15	10
15. FIRM NAME AND LOCATION *(City and State)*			
Stantec Consulting Services Inc. (West Palm Beach, Florida)			
16. EDUCATION *(DEGREE AND SPECIALIZATION)*		17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*	
Bachelor of Science, Civil Engineering, Florida Atlantic University, Boca Raton, Florida, 2012		Professional Engineer #83309, State of Florida	
18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*			

19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
	S.R. 9/I-95 at CR 606/Oslo Road Interchange, Indian River County, Florida	2023	Ongoing
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	This project involves design of a new partial cloverleaf interchange including roadway, drainage, bridge replacement, signing, pavement marking, lighting, ITS, landscaping improvements and right-of-way acquisition. The project also involves realignment of 82nd Avenue, a 2-lane rural arterial, due to access management requirements within the limited access ROW.		
b.	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
	Districtwide Minor Projects Design Services, Broward & Palm Beach County, Florida	2021	2022
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Lighting Engineer for series of task work orders including preparation of lighting plans. • Atlantic Blvd. Lighting Retrofit • Sample Road Lighting Retrofit • Miramar Blvd. Park and Ride Client: FDOT District 4; Project dates: 06/2018 - Ongoing; Contract Amount: $1.5 Million; Project Designer for series of task work orders including preparation of roadway, signing and pavement marking, structural, and lighting plans. Contract includes Additional items include permit approval, utility coordination, local agency coordination, and public involvement. • SR 9/I-95 and SR 704/ Okeechobee Boulevard Ramps • SR 9/I-95 and SR 808/Glades Road Ramps • SR 818/Griffin Road Sound Barrier Wall Rehabilitation • SR 736/Davie Boulevard Privacy Wall Rehabilitation • SR 9/I-95 Design-Build Review (2012-2013) Project Designer for contract which includes preparation of roadway, signing and marking, signalization, lighting and landscaping plans for a variety of projects on a work order basis. Additional work order elements include environmental permits, utility coordination, quantity calculation, specifications, and public involvement. Responsibilities include TTCP, lighting design, ADA upgrades, utility coordination, public involvement, local agency coordination, roadway geometrics. • SR 7/US 441 Lighting Improvements Project • SR 810/Hillsboro Boulevard Safety Improvements Project		
c.	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
	Districtwide Miscellaneous Design Services, Florida	2022	2022
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Lighting Engineer for a contract that includes preparation of roadway, signing and marking, signalization, lighting and landscaping plans for a variety of projects on a work order basis. Additional work order elements include environmental permits, utility coordination, quantity calculation, estimates, specifications, and public involvement. Responsibilities include pavement design, computation book, signalization, signing and pavement markings, field reviews, access management, geometrics, utility coordination, and design documentation reports.		
d.	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
	SR 7 from Okeechobee Blvd. to Northlake Blvd, Palm Beach County, Florida	2021	2021
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	This project involves the widening of the existing 2-lane to a 4-lane divided roadway from Okeechobee Blvd to 60th St. North, and the new construction of a 4-lane divided roadway from 60th St. N. to Northlake Blvd including 2 new bridges. The project includes 2 new roundabouts, 3 new signals, signing, marking, lighting and noisewalls. The project is located adjacent to environmentally sensitive areas and involves extensive permitting and mitigation efforts due to wetland impacts. The project is also high profile with significant public involvement efforts.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Pablo Garcia, PE, SE	Vertical Structure	15	9

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

Stantec Consulting Services Inc. (Miami, Florida)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Master of Science, Civil Engineering, University of Miami Miami, Florida, 2010 Bachelor of Science, Civil Engineering, University of Miami Miami, Florida, 2010	Professional Engineer #77111, State of Florida Professional Engineer #042525, State of Georgia Professional Engineer #099809, State of New York Professional Engineer #135929, State of Texas Professional Engineer #55943, State of Maryland

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Federal Courthouse Electrical Vault, Fort Lauderdale, Florida	Ongoing	Ongoing
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Senior Structural Engineer of Record for electrical vault building outside of new 10-story courthouse.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Flamingo West Park, Cooper City, Florida	2019	2019
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Structural Engineer of Record for two one-story buildings serving various functions within the park.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
One Metropica, Sunrise, Florida	2016	2019
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Senior Project Engineer in charge of structural design of 29 story, 330,000 SF multifamily residential building with adjacent 7 story parking garage. Construction cost $69M.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Cypress Creek Outpatient Surgical Center, Fort Lauderdale, Florida	2016	2018
(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	

Senior Project Engineer in charge of structural design of 2 story, 80,000 SF outpatient surgical center.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT *(Complete one Section E for each key person.)*			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Donavon Cunningham, TRET, NACE III, SPRAT III	Bridge Coating/Painting	21	19
15. FIRM NAME AND LOCATION *(City and State)*			
Stantec Consulting Services Inc. (Bridgeport, West Virginia)			
16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*		
Aassociates of Science, Electronic Tech, Fairmont State College, Fairmont, West Virginia, 2004 CADD and Design Certificate, United Tech Center, Clarksburg, West Virginia, 1999			
18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	Angus Macdonald Bridge Rehabilitation Inspection, Halifax, Nova Scotia, Canada	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
		Ongoing	Ongoing
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	In 2023, HHB selected Stantec to deliver a two-phase steel repair and protective coating program. The project's scope encompasses the two main suspension towers, flexible steel Bent D1, six deck truss spans, and six girder spans on the Dartmouth approach. The consulting engineering services include the following: performing detailed inspections, developing design criteria for the structure, creating conceptual containment setups, conducting structural evaluation, designing steel retrofits, and designing bearing replacements at flexible Bent D1. Through the tendering of Phase 1, Stantec served as an integral partner for HHB. Responsibilities include assisting in developing administrative and technical specifications for the RFP procurement, providing cost estimation, evaluating and scoring contractor technical proposals, and assisting in contractor selection Rope access team leader for the inspection of the 300' tall main cable suspension towers and the 497.5' long three-span approach deck truss unit for this 4640' steel suspension bridge that was constructed in the 1950s. The inspection is part of the larger task to evaluate the structure for loadings required for construction phasing and steel rehabilitation. Donavon helped determine appropriate access techniques and workflows to ensure the required field tasks were completed during the allotted time. He supported design efforts with constructability design and asset management for the phasing of design and construction. Donavon currently severs as the lead construction manager for the $70 million dollar Phase I rehabilitation		
b.	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	Speer Blvd Bridges, City and County of Denver, Colorado	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
		2024	2024
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Donavon served and Team Field Lead for the field structural rehabilitation inspection of the Speer Blvd bridge and Little Raven bridges. Speer Blvd bridges included twin steel tied arch bridges spanning 260' each. Little Raven bridges consisted of twin steel arch bridges spanning 120' each. During the construction phase of the project, he served as the client representatives construction manager. He managed field inspection staff onsite and served as manager of post design services. Construction consisted of structure steel rehabilitation, coatings remediation and replacement, expansion joint replacement, deck replacement and auxiliary member replacements.		
c.	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	I-70 Bridges, Quality Assurance Management, West Virginia	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
		2022	2022
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Stantec was selected by the WVDOH to provide QAM services for a major Public Private Partnership (PPP) project along the I-70 corridor in West Virginia. The PPP project includes rehabilitation or replacement of 26 bridges and roadway improvements along about 12 miles of eastbound and westbound I-70 with multiple entrance and exit ramps. Included in the long list of bridges is the rehabilitation of the historic Fort Henry Bridge spanning the Ohio River into downtown Wheeling. Repairs include joint replacement, steel repairs, redecking, concrete substructure repairs, coating, pavement, guardrail, and signing. He is serving as project manager over the $240 million construction project managing staff of construction and NACE-certified coating inspectors to provide quality assurance (QA) during post design and construction phase. The QAM Team is responsible for oversite of construction services and serving as direct coordination between contractor and client. Also include management of post design serves, RFI, submittal review and post design change orders.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT *(Complete one Section E for each key person.)*			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Diane Quigley, AICP, CFM, WEDG	Sustainability/Resiliency	41	2
15. FIRM NAME AND LOCATION *(City and State)*			
Stantec Consulting Services Inc. (Tallahassee (Hermitage Blvd), Florida)			
16. EDUCATION *(DEGREE AND SPECIALIZATION)*		17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*	
Bachelor of Science, Geology, Nicholls State University, Thibodaux, Louisiana, 1987 Master of Urban and Regional Planning, University of New Orleans, New Orleans, Louisiana, 1995			
18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*			

19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
a.	Florida City Vulnerability Assessment, Florida City, Florida	2023	N/A
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Diane is serving as Project Manager in the development of a Vulnerability Assessment for Florida City, Florida, located in the southern-most portion of Miami-Dade County. Consistent with Florida statutes, the study will identify the city's most critical infrastructure subject to current and future compound flooding, sea level rise, and storm surge scenarios. Stantec will host public meetings to collaborate with City leadership and residents in understanding local concerns and to assist in the formulation a focus areas and priorities for the future implementation of resilient projects and strategies. The Vulnerability Assessment will be presented in the form of easy to understand maps and tables that highlight critical areas and assets for future adaptation strategies		
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
b.	Duval Street Resiliency and Revitalization Plan, Key West, Florida	2024	N/A
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☑ Check if project performed with current firm	
	Located in the center of the Key West business and historic districts, Duval Street serves as the gateway to the community. The purpose of the project is to coordinate with the community in the identification of retrofits and renovations that will update the look and function of the corridor and improve resilience, while retaining its historic and unique Florida culture. The Plan requires the Stantec Team to conduct a vulnerability assessment for the corridor and develop a plan, in conjunction with the public, local agencies and leadership, that will sustain the economic and social functions of this iconic corridor while ensuring the safety, historic character, and viability of the community. Additional components of the project include: Drainage engineering, historic preservation, Landscape architecture, public outreach, economic and financial impacts and multimodal Planning. Diane served as the Task Lead in conducting the Vulnerability Assessment to identify the most critical infrastructure and structure and to assist in recommending adaptation strategies for integration into local government policies and land development regulations.		
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
c.	City of North Port Risk and Resilience Assessment and Emergency Response Plan Update, North Port, Florida	2024	N/A
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	☐ Check if project performed with current firm	
	In accordance with the American Infrastructure Water Act (AWIA), Ms. Quigley served as project manager in the update of the Risk and Resilience Assessment (RRA) and Emergency Response Plan (ERP) for the City of North Port Utilities. The project involved the identification of potential natural, physical and cyber security risks to the City's potable water system and facilities and the potential consequences of these hazards. Following J-100 standards, the Stantec team identified the threats, assets and utilized the American Water Association's PARRE software to evaluation the consequences of the threat and asset pairs on the system, and business operations. The RRA also considers potential damages, costs, and project needs to enhance the resilience and reliability of the potable water system. The Stantec team engaged City stakeholders in developing an ERP which identifies strategies to prevent, protect, and prepare actions to obviate or significantly lessen the impact of a malevolent act or natural hazards. The ERP also assists the City Utilities program in responding and recovering from these hazards by recommending plans, procedures, and equipment for implementation to mitigate against the event of a malevolent act or natural hazard. Finally, Stantec assisted the City in obtaining EPA certification for both elements of the AWIA.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(COMPLETE ONE SECTION E FOR EACH KEY PERSON.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		A. TOTAL	B. WITH CURRENT FIRM
Ronald Sanchez, PE	**SE Movable Bridge Program Manager**	29	4

15. FIRM NAME AND LOCATION (CITY AND STATE)

HDR Engineering, Inc., Fort Lauderdale, FL

16. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
BS, Civil Engineering, Manhattan College, 1995	Professional Engineer, Florida, No. 58923 Professional Engineer, Louisiana, No. 36556

18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.)

Ronald Sanchez is a Project Manager and Structural Engineer responsible for studies, final design, and inspection of fixed and movable bridges. He is recognized for his knowledge of the technical details and coordination requirements associated with multi-disciplined bridge projects. Ronald also brings significant experience and expertise in managing large and multi-disciplinary project teams as Project Manager/Contract Manager, serving as the project team leader.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION (CITY AND STATE)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (IF APPLICABLE)
Donald Ross Road Bascule Bridge, Palm Beach County, Jupiter, FL	2024	2024

(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Project Manager. HDR performed a detailed in-depth inspection and developed a comprehensive feasibility study and rehabilitation plans for Donald Ross Rd. Bascule Bridge, a hydraulic operated twin single leaf span bascule bridge. The work includes complete replacement of the control system, hydraulic system, and power distribution system. Additional interconnected and adjacent systems deemed relevant to the health of the systems and devices repaired under this scope of services were also evaluated. These systems were inspected with the goal of proposing betterments and rehabilitation recommendations. HDR is currently providing the final design, construction specifications and cost estimates, and engineering services for the mechanical and electrical systems rehabilitation of the bridge. Project scope includes the rehabilitation of the hydraulic system including replacing the Hydraulic Power Units (HPU), upgrades and modifications to the control system, and temporary traffic control plans. HDR replaced the proportional valve control cards with Variable Frequency Drives (VFDs) for controlling the motor speed on the Hydraulic Power Units (HPUs) used for span operation. This improved the operating systems ability to control ramping speeds of the motor and simplifies maintenance for County staff.

b.

(1) TITLE AND LOCATION (CITY AND STATE)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (IF APPLICABLE)
Chef Menteur River Swing Bridge, CSX Transportation, New Orleans, LA	2024	

(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Project Manager. The scope of work included a full electrical and mechanical systems rehabilitation and structural repairs. HDR performed scoping inspection, detailed design for the rehabilitation of the bridge including span drive system rehabilitation, wedge and end lock machinery replacement, electrical and controls systems replacement including remote controls capabilities, and structural repairs and new maintenance platforms.

c.

(1) TITLE AND LOCATION (CITY AND STATE)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (IF APPLICABLE)
Flagler Memorial Bridge over ICWW, FDOT District 4, Palm Beach County, FL	2012	2014

(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE — ☐ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

This $95 million design-build project included the replacement of the entire bridge off-line and parallel to the existing bridge to maintain traffic for this busy causeway connecting West Palm Beach to Palm Beach. Community involvement resulted in a new bridge design that commemorates their famous historic resident, Henry Flagler, and provides a traditional aesthetic appearance. The design/build request for proposal, resulting from a Type 2 Categorical Exclusion Class of Action NEPA process, had strict design requirements regarding environmental mitigation, appearance and maintainability. The replacement bridge, completed in 2018, is a twin double-leaf rolling lift bascule span bridge with a 150ft rolling-lift-span over the navigable channel; twelve 150ft pre-stressed concrete approach spans; and approach roadway work. Ronald was responsible for design of the substructure, load rating, quality assurance reviews, and post-design services for the new twin double-leaf rolling-lift bascule span bridge. Project Engineer.

d.

(1) TITLE AND LOCATION (CITY AND STATE)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (IF APPLICABLE)
SR 786/PGA Boulevard Bridge over ICWW, FDOT District 4, Palm Beach Gardens, FL	2007	2010

(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE — ☐ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

This $15-million multi-phase construction project included in-depth inspection, condition report with load ratings and recommendations, preparation of structural, mechanical and electrical rehabilitation, and bascule span replacement plans. Ronald was responsible for project coordination, plan development, and design of the rehabilitation/replacement of bascule pier, trunnion tower, deck over counterweight and flanking spans for a twin double-leaf Hopkins Trunnion-type bascule bridge with prestressed concrete AASHTO girder approach spans. Structural Engineer.

e.

(1) TITLE AND LOCATION (CITY AND STATE)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (IF APPLICABLE)
NE 79th Street Movable Bridge over Intracoastal Canal Bridges, FDOT District 6, Miami-Dade County, FL	2024 (Anticipated)	2024 (Anticipated)

(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

HDR is providing mechanical and electrical rehabilitation of two bridges along the NE 79th Street Causeway. East bridge scope includes control systems replacement, drive/motors replacement, new machinery brakes, live load shoe adjustments, and miscellaneous control house improvements. West bridge scope includes control system replacement, generator system replacement, hydraulic system replacement, span locks replacement, and miscellaneous control house improvements. Project Manager.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Ali Akbar Sohanghpurwala	Corrosion Specialist	40	35

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

CONCORR, Inc.

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
BTech, Naval Architecture, Indian Institute of Technology, Madras, 1984 MSc, Ocean Engineering, Florida Atlantic University, Boca Raton, 1956	

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

AAMP NACE Corrosion Specialist, #4422, since 1992
AMPP NACE Cathodic Protection Specialist, #4422, since 1992

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Tampa, Florida

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
4	

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

Providing corrosion specialist services for maintenance of reinforced concrete elements and the stay cable system. Also inspecting and performing minor maintenance on installed cathodic protection systems. It is a 6 year project and the total fee is $650,000.

b.

(1) TITLE AND LOCATION *(City and State)*: Destin, Florida

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
0.5	

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

Conducting a corrosion condition evaluation, performing service life modeling (SLD), developing life cycle costs to repair and rehabilitate the structure for another 50 years. The scope of the project includes collecting concrete samples and testing them in the laboratory. The results of the testing are used in SLD and life cycle cost analysis. $380,000

c.

(1) TITLE AND LOCATION *(City and State)*: Mobile, Alabama

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
0.5	

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

Performing service life modeling in accordance with AASHTO Guide Specifications for Service Life Design of Highway Structures and developing a corrosion control plan. The total fee is $200,000 and the total cost of the project is $10 Billion.

d.

(1) TITLE AND LOCATION *(City and State)*: Seattle, Washington State

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
15	

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

Assisted with the development of the sections of the RFP dealing with stray current mitigation and corrosion control the design build for light rail on a floating bridge. Conducting review of design, installation, and system startup. Total fee for the project $210,000.

e.

(1) TITLE AND LOCATION *(City and State)*: District 2, Florida

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
3	

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

Performed corrosion evaluation of post-tensioned tendons in pile caps of a bridge structure carrying I-95 over St. Mary's River. The total fee for the project $374,000

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E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(COMPLETE ONE SECTION E FOR EACH KEY PERSON.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		A. TOTAL	B. WITH CURRENT FIRM
John Danielsen, PE	**Senior Bridge Project Manager**	39	9

15. FIRM NAME AND LOCATION (CITY AND STATE)

HDR Engineering, Inc.

16. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
BS, Civil Engineering, University of Florida, 1984	Professional Engineer, Florida, No. 41875

18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.)

John is a Senior Bridge Project Manager with more than 41 years of experience. His experience includes bridge inspections, rating and rehabilitations of existing fixed and movable bridges, design of new bridges, asset maintenance, maintenance rating programs, emergency management, fleet operations, and overall infrastructure maintenance programs and practices. Prior to joining HDR, John worked for the Florida Department of Transportation (FDOT) District 4. During his 30 year career with FDOT, his roles included serving as District Structures Engineer, District Structures Maintenance Engineer, and the District Maintenance Engineer. He has served as team leader, designer, project manager or quality control manager on numerous bridge inspections, load ratings, rehabilitation and designs, many of which involved a large number and variety of structures, including complex and movable bridges.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION (CITY AND STATE)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (IF APPLICABLE)
17th Street Causeway Over ICWW Bridge Rehabilitation, FDOT District 4, Fort Lauderdale, FL	2026 anticipated	N/A

(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Project manager and Engineer of Record. HDR provided rehabilitation plans for the 17th Street Causeway Over ICWW bridge which included coating of the movable span and the segmental bridge deck preparation and overlay system. John was responsible for design, plans production, public involvement, and post design services.

b.

(1) TITLE AND LOCATION (CITY AND STATE)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (IF APPLICABLE)
Districtwide Bridge Miscellaneous Structures Consultant Services, FDOT District 4, Districtwide, FL	2020	N/A

(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Program Manager. HDR was responsible for a variety of services, including design of structural repairs and preparation of structural repair plans, emergency assistance/response, inspections, plan reviews and other miscellaneous services. Scope also includes coating condition assessments, NDT testing, welding inspection, metal failure analysis, value engineering and QA/QC reviews, field surveys, multi-beam swath bathymetric and laser scan surveys, minor roadway and MOT design, and geotechnical services. John was responsible for providing all management, client coordination, and subconsultant leadership. John has been the engineer of record on many assigned task work orders.

c.

(1) TITLE AND LOCATION (CITY AND STATE)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (IF APPLICABLE)
I-75 & US 27 Interchange Painting Rehab, FDOT District 4, Broward County, FL	2018	N/A

(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Project Manager/Engineer of Record. HDR provided all required public involvement, maintenance of traffic analysis and contract plans, including existing coating evaluation and construction notes for the I-75 and US 27 Interchange (bridges 860337 & 860338) box girders painting project. HDR provided complete bridge rehabilitation plans for constructability, biddabilty, and production complete plan submittals. The project's plans scope consisted of preparing contract drawings for bridge repainting, class V coating, maintenance of traffic and quantities. Also responsible for reviewing and providing responses to all the 3 phase submittals in the ERC, and are providing the quantity calculations, cost estimates, specification package and submit final plans. HDR was responsible for attending PS and E and the hand-off meetings with the Construction Office. Coating evaluation was provided and included field assessment and testing, paint sampling for hazardous metals and a written CCA Technical recommendation.

d.

(1) TITLE AND LOCATION (CITY AND STATE)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (IF APPLICABLE)
Donald Ross Road Bascule Bridge, Palm Beach County, Jupiter, FL	2025 anticipated	N/A

(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

HDR performed a detailed in-depth inspection and developed a comprehensive feasibility study and rehabilitation plans for Donald Ross Rd. Bascule Bridge, a hydraulic operated twin single leaf span bascule bridge. The work includes complete replacement of the control system, hydraulic system, and power distribution system. Additional interconnected and adjacent systems deemed relevant to the health of the systems and devices repaired under this scope of services were also evaluated. These systems were inspected with the goal of proposing betterments and rehabilitation recommendations. HDR is currently providing the final design, construction specifications and cost estimates, and engineering services for the mechanical and electrical systems rehabilitation of the bridge. Project scope includes the rehabilitation of the hydraulic system including replacing the Hydraulic Power Units (HPU), upgrades and modifications to the control system, and temporary traffic control plans. HDR replaced the proportional valve control cards with Variable Frequency Drives (VFDs) for controlling the motor speed on the Hydraulic Power Units (HPUs) used for span operation. This improved the operating systems ability to control ramping speeds of the motor and simplifies maintenance for County staff.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Hernando R. Ramos, P.E.	Principal Geotechnical Engineer	39	27

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

HR Engineering Services, Inc. 7815 NW 72Nd Avenue, Medley FL, 33166

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

MS, Civil Engineering, 1988 - Georgia Institute of Technology, Atlanta, GA
MS, Civil Engineering, 1986 - Florida International University, Miami, FL
BS, Civil Engineering, 1978 - University of Cartagena, Colombia

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

Professional Engineer, Florida 42045

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

American Society of Civil Engineers

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
SR 7- US 441 at West Boynton Beach Boulevard- FDOT D4, FPID No. 437886-1-52-01- Palm Beach County, Florida.

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2020 — CONSTRUCTION *(If applicable)*:

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

The project consisted of lighting improvements at the intersection of SR/US 441 with west Boynton Beach Boulevard in Palm Beach County Florida. Provided light poles structures and corrosivity testing. Performed four test borings, each to a depth of fifteen feet. Firm: HR Engineering Services, Inc.-Client: FDOT- Cost : $7k -Role MAT Chief Engineer. PM: Matt Gisondi, PE.- Email:Matthew.Gisondi@dot.state.fl.us

b.

(1) TITLE AND LOCATION *(City and State)*
SR 842 Broward Blvd, from SR from SR 817 /University Drive, to East of SW 54 Avenue- FDOT D4, FPID No-. 444265-1-32-01- Broward County, Florida

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2020 — CONSTRUCTION *(If applicable)*:

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

The project consisted of drainage improvements along SR 842/Broward Boulevard, from SR 817 University Drive to East of SW 54th Avenue in Broward County, Florida. This project included core borings for the drainage structures. HRES Performed 10 drainage test borings drilled to a depth of 20 feet, measured from the existing ground surface. Firm: HR Engineering Services, Inc. Client: A.D.A. Engineering, Inc. Cost: $29K. Role: MAT Chief Engineer. PM: Mr. Cairo Cangas, P.E.- Email: CCangas@adaeng.net

c.

(1) TITLE AND LOCATION *(City and State)*
SR 907/Alton Road from Michigan Avenue to South of Ed Sullivan Drive/ 43rd Street, FPID No. 429193-1-52-01- Miami Beach, Florida.

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

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

The project consisted of new light pole structures along SR 907/Alton Road. Performed 68 SPT borings. The test borings were drilled from a depth of 15 feet to 20 feet. Firm: HR Engineering Services, Inc. Client: FDOT - Cost: 33k- Role: MAT Chief Engineer. PM: Adrian Viala, PE.- Email: adrian.viala@dot.state.fl.us

d.

(1) TITLE AND LOCATION *(City and State)*
NW 12th Street from NW 121st Avenue to NW 114th Avenue- Miami-Dade County, Florida.

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

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

Design: Provided support for all the field exploration and geotechnical design of the project. The project consisted of the construction of two new cantilever sign structures and drainage improvements. Firm: HR Engineering Services, Inc. Client : A.D.A. Engineering, Inc.- Cost: 85k - Role: Principal Geotechnical Engineer - PM: Albert Argudin,Jr, CGC - Email: aargudinjr@adaeng.net

e.

(1) TITLE AND LOCATION *(City and State)*
Pedestrian Bridge Replacement over C-8 Canal-City of North Miami-Miami-Dade County, Florida.

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

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

The project consists of the construction of a pedestrian bridge replacement over C-8 Canal (Biscayne Canal) in North Miami, Miami Dade County Florida. Provided all the final field exploration and geotechnical design of the project. Performed Two (2) SPT borings, each to a depth of 70 feet. The new pedestrian bridge will consist of a single 154 feet span, pre-engineered steel structure. Firm: HR Engineering Services. Inc.- Client: R.J. Behar & Company, Inc. - Cost: $18k - Role: Principal Geotechnical Engineer. PM: Mr.Greg Dover, P.E. - Email: gdover@rjbehar.com

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
Charles Schramm, PSM	Surveyor	a. TOTAL: 36 years	b. WITH CURRENT FIRM: 1 years

15. FIRM NAME AND LOCATION (City and State)

KEITH, Miami, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
B.S. Survey and Mapping, University of Florida, 1988 Courses Completed, Florida Institute of Technology, 1994	LS6366, Professional Surveyor and Mapper, Florida

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION (City and State): Surfside GEC (Surfside, Florida)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: Ongoing

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

Surveyor. As part of our General Engineering Contract (GEC) with the Town of Surfside, KEITH provides the Town with civil services to support the development of various projects related to the Town's infrastructure.

b.

(1) TITLE AND LOCATION (City and State): Huizenga Park Capital Project CEI (Fort Lauderdale, Florida)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: Ongoing

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

Surveyor. KEITH is assisting the Client with a KEITH Play project including owner's representation and construction engineering inspection services to deliver the design of the Huizenga Park project. The park is envisioned to include a series of uniquely designed spaces intended to transform downtown Fort Lauderdale into an outdoor living room, dining room, and backyard all in one. The KEITH Team is assisting the Client in a drawings and project audit involving the full trans-disciplinary team including value design/engineering, constructability, programing, operations/maintenance and potential errors/omissions/risks. Disciplines and services studied during Master Plan phase include site planning and permitting analysis, civil engineering analysis, landscape architecture including in-house arborist analysis, and traffic/transportation analysis.

c.

(1) TITLE AND LOCATION (City and State): Calvary Chapel Fort Lauderdale Master Stormwater Permitting Plan (Fort Lauderdale, Florida)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: Ongoing

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

Surveyor. KEITH is assisting in the development of an overall master stormwater permit for the entire east campus of Calvary Christian Academy. The project site consists of 4 parcels. Two of the parcels of the main/east campus total +/- 75acres and the remaining two parcels of the west campus total +/- 10 acres. KEITH is responsible for the surveying and mapping (including topography, boundary, and tree surveying), planning, and civil engineering services.

d.

(1) TITLE AND LOCATION (City and State): FLL Stormwater Improvements - Ravenswood Interconnection (Fort Lauderdale, Florida)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: Ongoing

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

Surveyor. KEITH is assisting the Client with a KEITH Access project under this continuing services contract for airport utilities and pavement projects. The project encompasses a comprehensive scope of tasks aimed at enhancing the existing drainage infrastructure by connecting the Northern and Ravenswood Drainage Basins at FLL Airport to alleviate flooding happening on the north side of the airport. KEITH provides civil engineering, SUE, and survey services to the Client. The KEITH Team is assisting the Client with all necessary engineering design services and utility coordination to facilitate the required stormwater improvements at the Ravenswood Interconnection.

e.

(1) TITLE AND LOCATION (City and State): Port Everglades Bulkhead Replacement (Fort Lauderdale, Florida)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2024

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

Surveyor. As a subconsultant, the KEITH Team provided professional land surveying services, subsurface utility engineering, utility coordination, and landscape architectural services pursuant to the Port Everglades Master Plan. The goal of the project is to construct new seawall and bulkhead walls to replace existing, old walls. The projects included in Group One include the North Seawall of the Ports Entrance Channel, the bulkheads along Northport Berths 1, 2, and 3, Berths 7, 8, and 8A, and the bulkheads along Midport Berths 16, 17, 18, 21, and 29.

f.

(1) TITLE AND LOCATION (City and State): 72nd and Park Construction Surveying (Miami Beach, Florida)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: Ongoing

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

Surveyor. KEITH is assisting the Client with construction surveying for the residential project named "72nd and Park". The project is primarily residential and includes one ground level and two roof decks.

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

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Nitesh Goli, P.E., PMP	**Geotechnical Engineer**	**8**	**8**

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

RADISE International, LC, Riviera Beach, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

M.S. Civil Engineering, Florida Atlantic University- Florida
M.S. Geotechnical Engineering, JNT University, Hyderabad, India
Diploma in Project Management, HC University, Hyderabad, India
B.S. Engineering, Osmania University, Hyderabad, India

17. *CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)*

- PMP Certified
- Florida Professional Engineer
- FDOT/CTQP QC Manager
- PCI Certified Level 1and 2 Quality Control Inspector
- FPCA & CMEC 450 Specification Certification
- PTI Certified Level 1 and 2 Unbonded PT Field Installer/ Inspector
- APNGA Portable Nuclear Gauge Safety & USDOT Hazmat Certification
- Smart Pile Data Acquisition and Review- Level 1
- ACI Concrete Field Testing

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

Mr. Goli has 8+ years of experience providing Geotechnical, and Construction Materials Testing Services for low and high-rise structures, single family residential developments, commercial developments, bridges, piers, roadways, utility improvements, levees, water control structures, etc. In addition, he has experience providing these services for a variety of private and public owners including the FDOT, SFWMD, and local counties.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Palm Beach County Construction Materials Testing, Geotechnical Engineering & Inspection Annual Services Contract, Palm Beach County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	Ongoing

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

☒ Check if project performed with current firm

Principal Geotechnical Engineer. Provided the detailed graphical logs of the soil borings, groundwater levels, subsurface soil stratigraphy and classifications.

b.

(1) TITLE AND LOCATION *(City and State)*
School District of Palm Beach County Geotechnical Engineering & Construction Materials Testing Services on Continuing Contract, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	

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

☒ Check if project performed with current firm

Project Engineer. Geotechnical drilling, laboratory testing, in-situ and field testing, geophysical investigations, chemical analytical laboratory testing, engineering services, construction engineering inspection and materials testing on more than 50 work orders for different school district projects.

c.

(1) TITLE AND LOCATION *(City and State)*
Lift Stations 393 & 1023 Improvements, Palm Beach County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2019	

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

☒ Check if project performed with current firm

Construction Materials Testing Manager. Provided a Geotechnical Engineering Services Report including the results of the SPT borings, the soil laboratory testing, bearing capacity and foundation recommendations for the lift station wet wells.

d.

(1) TITLE AND LOCATION *(City and State)*
Water and Sanitary Sewer System Improvements for Utility Analysis Zones 110/111 and 113 (UAZ 110/111, UAZ 113A and UAZ 113B), Broward County, Florida

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	

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

☒ Check if project performed with current firm

Senior Geotechnical Engineer. Provided conceptual dewatering plans that provided a detailed narrative of the means and methods to be used for groundwater lowering while not inducing pollutant transport from the contaminated locations.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Brian M. Pailes, Ph.D., P.E., NACE CP-4	**Corrosion/Cathodic Protection**	a. TOTAL **15**	b. WITH CURRENT FIRM **1**
15. FIRM NAME AND LOCATION *(City and State)*	16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION	
Simpson Gumpertz & Heger Inc.	Ph.D. in Civil Engineering, Rutgers University; M.S. in Civil Engineering, University of Virginia; B.S. in Civil Engineering, Northeastern University	FL Professional Engineer #81340 **AMPP Cathodic Protection Specialist #59110**	

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: **FDOT District 7 General Engineering Consultant, Florida**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: **2024**; CONSTRUCTION *(If applicable)*: **N/A**

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

Patel Greene Associates, won a contract to provide general engineering consulting services for District 7 for a multi-year on-call contract. Dr. Pailes severed as the Cathodic Protection Specialist for this contract. The typical services that Dr. Pailes and his team provided for this contract were developing corrosion mitigation repairs for bridges, investigating corrosion damage identified during inspections, designing cathodic protection system, and consulting regarding bridge durability. One example project that occurred under this project was the assessment of post-tensioning (PT) on a US-19 bridge. Routine inspection had identified substantial cracking in several PT girders. Dr. Pailes and his team performed an inspection of the PT to determine if there was any grout voids or corrosion deterioration of the PT strands. Evaluation work determined that the PT was in good condition and that the cracking was the result of improper reinforcement detailing. **Role:** Cathodic Protection Specialist.

b.

(1) TITLE AND LOCATION *(City and State)*: **FDOT District 3 Districtwide Bridge Repair Design Consultant, Florida**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: **2024**; CONSTRUCTION *(If applicable)*: **N/A**

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

As part of a multi-disciplinary consultant team led by Patel Greene Associates, we won an FDOT District 3 Districtwide Bridge Repair Design on-call contract. Dr. Pailes was the Cathodic Protection Specialist for this contract. The typical services that Dr. Pailes and his team provided for this contract were developing corrosion mitigation repairs for bridges, investigating corrosion damage identified during inspections, designing cathodic protection system, and consulting regarding bridge durability. One example project was assessing reinforced concrete damage that had occurred to I-10 over Pensacola Bay Bridge due to a fire that had occurred under the bridge. The heat of the fire cause damage to the concrete beams in the form of spalling and cracking. Dr. Pailes' team performed non-destructive testing of the beams to determine the extent of fire damage so that a structural analysis and repair could be conducted. **Role:** Cathodic Protection Specialist.

c.

(1) TITLE AND LOCATION *(City and State)*: **Southwest Florida Water Management District S-160, Tampa, Florida**

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

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

Southwest Florida Water Management district has requested that water control structure 160 In Tampa, Florida be rehabilitated due to extensive corrosion deterioration. Included in that rehabilitation work was the installation of galvanic cathodic protection. Structural Technologies was contracted to perform the rehabilitation work and hired Dr. Pailes of SGH to provide cathodic protection quality control services. Dr. Pailes and his team perform monitoring and inspection of the cathodic protection installation to ensure that the installation mees the project requirements and is properly installed. **Role:** Cathodic Protection Specialist.

d.

(1) TITLE AND LOCATION *(City and State)*: **Stan Gober Memorial Bridge, Naples, Florida**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: **2024**; CONSTRUCTION *(If applicable)*: **N/A**

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

Performed a corrosion assessment and cathodic protection rehabilitation design for the Stan Gober Memorial Bridge in Naples, Florida. Collier County who owns the Stan Gober Memorial Bridge hired a multi-disciplinary team to perform an evaluation and develop a service life extension of the bridge. Dr. Pailes led a team to perform a corrosion assessment of the structure that included the use on non-destructive testing and material testing to determine chloride exposure and corrosion damage. Using the data collected the team determined the extent of corrosion deterioration and the impact on service life. With detailed assessment the team then develops a rehabilitation of the bridge. The rehabilitation included the use of cathodic protection which Dr. Pailes designed. The cathodic protection included galvanic jackets and zinc metalizing. **Role:** Cathodic Protection Specialist.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Aylin Costa Napoles	Senior Drainage Engineer	22	2

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

AllBright Engineering Inc., Pembroke Pines, Florida

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
Bachelor of Science, Civil Engineering, Florida International University, 2005	Florida Board Professional Engineer Lic. No.: 69865 Issued: 06/26/2009

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: SR 826/Palmetto Expressway PD&E Study, FDOT District 6, Miami, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2017-2021; CONSTRUCTION *(If applicable)*:

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

Lead Water Resources Engineer. The project involved H&H modeling for over 703 acres across 21 drainage systems in the SFWMD C-4 Canal Basin. The updated C-4 Canal Basin Study Model determined floodplain compensation for large canal encroachments and set boundary conditions for the 2045 stormwater management systems.

b.

(1) TITLE AND LOCATION *(City and State)*: Districtwide Drainage Studies & Environmental Permitting, FDOT District 4, Fort Lauderdale, Florida

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2021-2023; CONSTRUCTION *(If applicable)*:

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

Multiple drainage and permitting task work orders that involved all aspects of drainage analysis, design, and permitting for projects throughout the District.

c.

(1) TITLE AND LOCATION *(City and State)*: Studies & Environmental Permitting Contract, FDOT District 4, Hollywood, Florida

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2021-2023; CONSTRUCTION *(If applicable)*:

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

Served on a second consecutive 5-year contract as GEC performing a wide range of services involving all aspects of drainage design and environmental permitting. Provided services related to drainage inquires, drainage connection permits, drainage surplus requests, drainage plans review, environmental permit extensions and file maintenance, and mitigation design.

d.

(1) TITLE AND LOCATION *(City and State)*: I-95 at Oslo Road Interchange, FDOT District 4, Indian River County, FL

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

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

Drainage EOR. Served as a major subconsultant for the design of a new partial cloverleaf interchange at I-95 and Oslo Road (CR 606), including realignment of local roads along 82nd Avenue and 86th Avenue. Managed all drainage, signalization, and ITS analysis and design, as well as environmental permitting activities.

e.

(1) TITLE AND LOCATION *(City and State)*: General Engineering Consultant, Broward County, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2018-2023; CONSTRUCTION *(If applicable)*:

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

Project Manager. This contract provided Broward County Highway Construction and Engineering Division with a variety of professional engineering services through multiple and simultaneous task work order (TWO) assignments involving engineering design, management, and construction engineering inspection services for transportation and general civil engineering projects.

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E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each person)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPEREINCE	
		a. TOTAL	b. WITH CURRENT FIRM
Nathaniel Dubbs, Ph.D., PE	**Testing and SHM Project Manager**	**18**	**7**

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

Bridge Diagnostics, Inc. *(Horhsam, PA)*

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFIESSIONAL REGISTRATION *(State and Discipline)*
PHD, Civil Engineering, Drexel University, 2012 MS, Civil Engineering, Drexel University, 2008 BS, Civil Engineering, Drexel University, 2008	**Professional Engineer (Civil) in: DE, FL, MD, MI, NJ, NS, NY, PA, SK, and VA**

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

Dr. Dubbs' expertise includes identifying aging infrastructure using novel technologies for preservation purposes, datalogger and sensor selection for new monitoring deployments, datalogger programming and troubleshooting, field installation supervision and oversight, and development of monitoring interpretation and the development of analysis algorithms to provide maximum value to asset owners.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: **Structural Monitoring and Cable Testing of the Walt Whitman Bridge** *(Camden, NJ)*

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2021-2023; CONSTRUCTION *(if applicable)*: N/A

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

BDI designed and implemented two phases of instrumentation on the Walt Whitman Bridge as part of WSP's main cable investigation project. The first phase included short-term testing of the main cable hangers with accelerometers for cable force estimation while the second phase focused on monitoring the main cable eyebars in the anchorages with strain gages to quantify the change in stress within these elements over time due to live load and temperature effects. PROJECT MANAGER

b.

(1) TITLE AND LOCATION *(City and State)*: **Commodore Barry Bridge Weld Investigation – Structural Health Monitoring and Non-Destructive Evaluation** *(Camden, NJ)*

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2022-Ongoing; CONSTRUCTION *(if applicable)*: N/A

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

BDI participated in multiple aspects of Transystems' weld investigation study on the Commodore Barry Bridge near Philadelphia, PA. BDI's role included non-destructive testing of the weld details as well as structural monitoring to characterize strain magnitudes in members which contained these weld details. Dr. Dubbs helped the BDI/Transystems team to develop the instrumentation program and QC'ed the reported measurements. PROJECT PRINCIPAL

c.

(1) TITLE AND LOCATION *(City and State)*: **Walt Whitman Bridge Sign Gantry Vibration Assessment** *(Camden, NJ)*

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2014; CONSTRUCTION *(if applicable)*: N/A

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

Dr. Dubbs oversaw a field instrumentation program aimed at understanding root cause of perceived excessive vibration on newly constructed sign ganties on the Walt Whitman Bridge. As part of this project, Dr. Dubbs led a team of engineers in performing ambient vibration monitoring to characterize the vibration of the superstructure and the sign gantry. Additionally, the structure was monitored with strain gages to evaluate levels of stress. The findings indicated that there was not a structural safety issue, rather the concerns were founded due to human perceptions of vibrations. PROJECT MANAGER

d.

(1) TITLE AND LOCATION *(City and State)*: **Structural Monitoring of the Varina-Enon Bridge** *(Henrico, VA)*

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2020-Ongoing; CONSTRUCTION *(if applicable)*: N/A

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

Dr. Dubbs is overseeing the development of project scope and budget, developed the schedule with the VDOT, and performed final quality control of all submissions and measurements before submission to the client. BDI has designed, procured and installed one of the largest structural monitoring systems in the country and will be actively monitoring the results together with VDOT for a period of at least twelve months. Measurements include pier rotation, expansion bearing performance, crack and segment movement, and stay cable force. PROJECT MANAGER

e.

(1) TITLE AND LOCATION *(City and State)*: **Henry Hudson (HH89) Bridge Structural Health Monitoring (SHM)** *(New York, NY)*

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2018 – 2022; CONSTRUCTION *(if applicable)*: N/A

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

BDI was retained by Tutor Perini Construction to perform Structural Health Monitoring on the Henry Hudson Bridge during the reconstruction of its foundations and arch skewbacks over the four-year construction period. Dr. Dubbs oversaw the development of project scope and budget, developed the schedule with the Contractor, and performed final quality control of all submissions and measurements before submission to the client. Mr. Dubbs was also in the field overseeing installation of embedded instrumentation in cast concrete sections of the skewbacks. PROJECT MANAGER

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER
	1

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Palm Beach County Annual Structural Services Palm Beach County, Florida	Ongoing	Ongoing

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Palm Beach County Roadway Production Division	Holly Knight, PE Contract Section Manager	561.684.4000

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

For this contract, the work performed on five task work orders includes bridge repair, bridge replacements, study, park facilities, plans review, and fleet maintenance building repairs. The task work orders are listed below:

Provided Updates to January 2019 Palm Beach County Roadway Design Procedures Section B and Appendix E "Appendix E, "Palm Beach County Bridge Design Guidelines": Stantec provided updates to the Palm Beach County roadway design procedures for January 2019. This includes submittal requirements for each phase in Appendix E, "Palm Beach County Bridge Design Guidelines". A Supplement to Palm Beach County Thoroughfare Road Design Procedures.

Development of Consultant Bridge Plan Review Policy and Procedure for Non-County Owned Bridges: Stantec is currently updating the Consultant Bridge Plan Review Policy and Procedure for the Non-County owned bridges. This policy addresses Reviewer's qualifications, Plans and Calculation Review requirements, Plans/Calculations Review Checklist. This policy will also address the requirements of structures other than bridges including retaining walls, and miscellaneous structures.

Work Order # 1 - Lake Osborne over Lake Bass Canal: The primary project objective is to replace the existing two-lane concrete structure with a proposed bridge that meets minimum vertical clearance requirement over the Lake Bass Canal and provides a safe, ADA-compliant sidewalk access for the pedestrians and shoulders for bicyclists to cross the canal. The existing wooden pedestrian bridge will also be removed to improve the minimum vertical clearance. To accommodate the proposed raised bridge the Lake Osborne Drive profile will be raised beginning approximately 225 feet south of the bridge, and will connect back to the existing grade approximately 225 feet north of the bridge. Proposed five foot wide paved shoulders will be constructed along both sides of the roadway within the limits of pavement overbuild and reconstruction. The west side of the roadway will include an eight foot wide shared use path to connect the proposed bridge sidewalk to the existing eight foot wide shared use path. Although there is no existing sidewalk on the east side of Lake Osborne Drive today, sidewalk is also proposed on the east side of the bridge to facilitate future sidewalk connection. It should be noted that the two adjacent side streets (Lake Bass Dr. and Crest Dr.) include existing concrete sidewalks beginning approximately 100 feet east of Lake

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Stantec	West Palm Beach, FL	Prime: Structural Services

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER 1

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

Palm Beach County Annual Structural Services (continued from previous page)
Palm Beach County, Florida

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

Osborne Drive. All construction can be completed within Palm Beach County Right of Way (ROW).

Work Order # 2 - Pahokee Garage Fleet Maintenance Building: This work order consists of providing Structural design and off-site construction administration for the Pahokee Fleet Maintenance Door Replacement Project for Palm Beach County. Based on the site visit, the building has five barn door style 18x18 door openings for access to the building service bays. These doors are degraded and will require replacement. Based on the site visit and discussing the needs of the facility it was determined that the best solution for replacing the barn doors is with new overhead doors.
Design Phase: Project management and project coordination services; Review existing conditions and document findings; Prepare plans for new Replacement Doors; Construction documents; Responding to building department comments; Specifications; Technical Specifications for the Garage Door; Demolition Plan/details; Provide an engineer's opinion of probable construction costs. Bid Phase Services include: Assemble documents for bidding by Palm Beach County, and Respond to RFI's. and shop drawings.

Work Order # 3 - 6th Ave Emergency Repairs: Bridge is located in between Palm Beach State College and Palm Beach County's John Prince Park west of Lake Osborne, and by residential development east of Lake Osborne. The bridge over Lake Osborne also spans Lake Osborne Drive and Center Drive, an internal roadway of John Prince Park. Lake Osborne is connected to a network of lakes and canals which sees frequent use by recreational boaters. The bridge also has low vertical clearance and is frequently hit by vehicles travelling underneath on Lake Osborne Drive and Center Drive. The existing vertical clearance over the roadways is 11 feet 6 inches at Center Drive and 11 feet 5 inches at Lake Osborne Drive, and approximately 15 feet from the waterway. Stantec provided professional engineering services to Palm Beach County to prepare an emergency repair plans and support during construction as follows: • Prepare the drawings for the emergency repairs to the damage cause by the recent damage to the bridge as a result of accident to the west bound bridge on the north side in the mid-span of the exterior flat slab unit.• Provide the construction support and observation during construction.

Work Order # 4 - John Glades West Park Bridge/Wall Review: Stantec provide professional engineering services to Palm Beach County to review structural plans for a John Glades West Retaining Wall Project. The plans and calculations for the bridge, garden bridges and bulkhead retaining walls will be reviewed based on the applicable AASHTO and FDOT standards. In addition, the plans will be reviewed for completeness and clarity based on our understanding of Palm Beach County's requirements and accepted practice for projects of this nature. The scope includes • Review of 100% Engineering Plans and Calculations. • Communicate Comments on 100% Submittal to PBC. • Discussions and General Correspondence with PBC as Necessary.

Work Order # 5 - John Prince Park boat ramp replacement: Stantec was retained to replace the existing boat ramps, finger piers and staging docks on Lake Osbourne in John Prince Park. The existing facilities included three boat ramps, five finger piers, a marginal fishing dock, boat trailer parking and a sheriff's office covered boat house. The project involved replacement of all of the concrete boat ramps and wooden finger piers, providing new access to the marginal fishing docks from the finger piers and demolition of the boat house complete with restoration of the shoreline. Permitting was required through South Florida Water Management District and Palm Beach County Office of Environmental Regulation as well as the Palm Beach County Building Department. The unique feature of the new design included concrete floating docks for the finger piers restrained with concrete piling and hinged adjustable aluminum gangways to allow access to the fixed wooden fishing docks regardless of the water level in the lake. Some asphalt paving was required to harmonize the transition between the new ramps and the existing parking lots.

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER
	2

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Various Duval County Bridge Repair Design Duval County, Florida	2020	2022

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
FDOT - District 2	Stanley Henderson, PE	904.463.9265

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

This contract covers bridge rehabilitation work in Duval County and includes the following:

SR-13 at Main Street Bridge (Bridge No. 720086): Cleaning and painting of structural steel, joint sealing, and spall repair.

SR-228 at US-90/SR-10 (Bridge No. 720113): Cleaning and painting of structural steel, joint sealing, spall repair, neoprene bearing replacement, and replacement of the existing drainage system with larger, more maintenance-friendly components.

US-1/Main Street at St. Johns River (Bridge No. 720022) and I-295/ Buckman at St. Johns River (Bridge Nos. 720249 SB & 720343 NB): Fender repairs, navigational lighting system rehabilitation, and spall repair.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Stantec	Coral Gables, FL	Prime: Structural Services

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER
	3

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Districtwide Miscellaneous Minor Bridge Repair Design Consultant Services, Florida	Ongoing	Ongoing

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
FDOT - District 3	Steven Fisher, PE	850. 330.1652

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

Under this districtwide miscellaneous minor bridge repair design consultant services (on-call based contract) our tasks included expansion joints replacement, coatings assessment, repainting the superstructure girder system and bearings, bridge painting, and deck crack sealing, approach slab replacement, bearing pad replacement, submerged bridge piles removal, monitoring the contractor on the destructive testing required for the PT grout investigation and grout sampling, stabilization of bridge abutment, bent cap repairs and modification, replacing expansion joints, and load rating of the bridges. Additional general scope of work involves the preparation of contract documents, including plans, specifications, supporting engineering analysis, calculations and other technical documents including structural repairs; load ratings; hydraulic & scour analysis; survey; geotechnical; roadway, S&PM, drainage and TTCP; utilities; public involvement; environmental permitting; long-range estimates; cost estimates; field reviews, QA/QC; and peer review, to name a few.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Stantec	Orlando, FL	Prime: Structural Services

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER
	4

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Districtwide Minor Design Broward, Palm Beach, Martin, St. Lucie & Indian River Counties, Florida	2020	2023

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
FDOT - District 4	Kenzot Jasmin, PE	954.394.1170

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

This contract includes a wide variety of services such as: roadway; drainage; miscellaneous structures; traffic; ITS; signing; pavement marking; lighting; signalization; survey & mapping; geotechnical; architecture; and landscape architecture, as well as in-house production support services. Stantec has successfully managed several conventional, Design-Build (DB), Districtwide (DW) Plans Review, DW PD&E, DW Utilities, DW Drainage, and DW RFQ/EVENT# 423 Bridge Design & Miscellaneous Structural Engineering Services, Continuing Services Contract Required Forms Environmental contracts with District 4. The main objective of this contract is to provide professional engineering services on a variety of design assignments through multiple and potentially simultaneous task work orders (TWOs) involving design and management services from the advertised work groups. The TWOs may include the design and preparation of a complete set of construction contract plans, component plans, conceptual plans, documents, special provisions, and incidental engineering services for minor projects including but not limited to 3R projects, widening/ reconstruction projects, safety projects, access management modifications, intersection improvements, complete streets, ride only, off-system, ITS support, in-house production support, and other services that may include developing concept reports, 3D modeling, architecture, landscape architecture, and RFP Design Criteria on DB projects.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Stantec	West Palm Beach, FL	Prime: Structural Services

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*		20. EXAMPLE PROJECT KEY NUMBER
		5
21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Districtwide Major & Minor Bridge Rehabilitation and Repair, Florida	2013	2016

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
FDOT - District 6	Pablo Orozco	305.470.5370
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size and cost)*		

Stantec has Completed over 40 Task Work Orders (TWOs) including: cathodic protection, bearing pad replacement, railing retrofit, pier protection to retrofit existing conditions, FRP system, fracture critical member evaluation & repairs, bridge coating, and joint replacement. Below list the details of key TWO:

Work Order # 1 - SR A1A Nb Flyover Bridge No. 870706 To Wb Sr-826 Sunny Isles Blvd.
- Spall repairs and concrete repairs
- Expansion joint repairs
- Cleaning and painting structural steel
- Cleaning and coating concrete
- Sealing decks with methacrylate monomer

Work Order # 2 - SR A1A Bridge Over Thompson Creek Canal, Bridge No. 900054
- Pile jacketing system with cathodic protection on prestressed piles
- Cathodic protection system (metalizing) on bent caps
- Inject and seal cracks

Work Order # 3 - SR 5/US-1 Overseas Highway Spanish Harbor At Big Pine Key
- Pile jacketing system with cathodic protection on prestressed piles
- Spall repairs and concrete repairs
- Inject and seal cracks

Work Order # 4 - SR-112 Airport Expressway Ramp Z Hov Bridge Nos 870713, 870775, 870776, & 870777
Spall repairs, surface preparation and coating of structural steel elements, and crack injection and sealing operations were conducted on the various bridge structures shown below.
- Bridge 870775 (Ramp "X". Length = 1072'- 4". 10 spans)
- Bridge 870776 (Length = 1631'- 6")
- Bridge 870777 (Ramp "D", Length = 906'- 0", 7 spans)
- Bridge 870713 (Length = 1731'- 0")

Work Order # 7 - SR 7/US – 441 Connection To Sr 9a/ I-95 Bridge Nos. 870043 & 870243 (FPID # 413242-1-52-01)
Spall repairs, cleaning and painting structural steel, cleaning and coating concrete, sealing deck with methacrylate monomer and crack injection and sealing operations were conducted on the various bridge structures shown below.
- Bridge 870043 (Length = 523'- 0", 7 spans)

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Stantec	Coral Gables, FL	Prime: Structural Services

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER
	5

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

Districtwide Major & Minor Bridge Rehabilitation and Repair, Florida

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

- Bridge 870243 (Length = 766'- 0", 9 spans)

Work Order # 12 - SR 5/US-1 Overseas Highway At Sugarloaf Key Bridge No. 900107
Cleaning and coating concrete, impressed current cathodic protection system on drilled shafts, and sealing deck with methacrylate monomer were conducted on bridge 900107 (length = 438'- 0", 6 spans).

Work Order # 13 - I-95 Ramp 12a At Sr 91/ Turnpike Bridge No 870349
Spall repairs; cleaning and painting of structural steel components; crack injection and sealing; repair of steel cross frames; bearing repairs; cleaning and protective coating of concrete surfaces; and deck sealing using methacrylate monomer, were performed on bridge 870349 (length = 320'- 0", 3 spans).

Work Order # 14 - SR 5/US-1 Over Big Spanish Channel at Bahia Honda Bridge Nos. 900016 &900045
Installation of a pile jacketing system with integrated cathodic protection on prestressed piles; application of a cathodic protection system through metalizing on beams and piers; spall repairs; and repairs to the fender system were conducted on the various bridge structures shown below.

- Bridge 900016 (Length = 6734'- 0", 78 spans)
- Bridge 900045 (Length = 6734'- 0", 78 spans)

Work Order # 19 SR-968/SW 1st. Street over Miami River Repair Rehabilitation Bascule Bridge 870660
Installation of a pile jacketing system with integrated cathodic protection on prestressed piles; application of a cathodic protection system via metalizing on beams and piers; spall repairs; and fender system repairs on bridge 870660 (length = 650'- 6", 15 spans).

Work Order #20 SR A1A/MacArthur Causeway Bridge No. 870077
Spall and concrete repairs on the deck and barriers; beam repairs involving section restoration, surface cleaning, and metalizing; and concrete diaphragm rehabilitation, including replacement, spall repairs, cleaning, and metalizing were performed on bridge 870077 (length = 2155'- 0", 37 spans).

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*		20. EXAMPLE PROJECT KEY NUMBER
		6
21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Bridge Design Continuing Services Contract, Fort Lauderdale, Florida	Ongoing	N/A

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Fort Lauderdale	Raymond Nazaire, P.E., CGC. |	954.828.8954
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size and cost)*		

Work Order # 1 - The City of Fort Lauderdale has received funding for the execution of these projects from FDOT District 4 through a Local Agency Program (LAP) agreement. There are numerous challenges in these project such as proximity of existing residences and boats, MPT phasing construction within a limited row, utility coordination and relocations, biological survey, permitting, completion of U.S.C.G (United States Coast Guard) Project Questionnaire Programmatic, Categorical Exclusion checklist, bridge hydraulics and scour determinations, etc. The projects were divided in two Task Orders to expedite the completion of the design and to be able to start construction of the bridges that have been already funded.

Stantec conducted a cursory review for the following bridge projects: West Lake Drive at Lucille River Bridge (#865773), West Lake Drive at Mercedes River Bridge (#865774), West Lake Drive at Estelle River Bridge (#865771), and SE 7th Street at Rio Cordova Bridge (#865760).

The review covered the submitted plans, reports, cost estimates, typical section packages, specification package, and utility coordination documentation prepared by other consultants. It evaluated compliance with AASHTO and FDOT design standards, as well as consistency with recommended professional practices. Structural analysis methodology and design assumptions were also reviewed at a high level.

Any missing documents in the submittal package were identified, with a recommendation to notify the client for resolution.

Work Order # 2 - Castle Bridge: This project is to replace the existing deteriorating bridge (Bridge No. 865712). with a new bridge that will accommodate a sidewalk. The overall goal of the project is to replace the existing bridge to improve safety. Project is located on Castel Harbor Drive just east of NE 34th Ave. This bridge provides only access to island.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Stantec	Deerfield Beach, FL	Prime: Structural Services

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER
	7

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
I-95/St Marys, Florida	2024	Ongoing

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
FDOT - District 2	Christopher (Chris) T. Rhude, CPM, FCCM	386.961.7475

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

The St. Marys River is 126-miles long and rises as a small stream, River Styx. The St. Marys River flows from the western edge of Trail Ridge, the geological relic of a barrier island/dune system, into the southeastern Okefenokee Swamp reaching the Atlantic near St. Marys, Georgia and Fernandina Beach, Florida. This bridge carries I-95 NB across the Georgia-Florida boundary in Nassau County. Originally constructed in 1971 and widened in 1998, this bridge has an Annual Average Daily Traffic (AADT) of 68,007 as of May, 2020, 18% of which are trucks. The bridge is comprised of a three-span continuous steel plate girder unit over the navigation channel and nine approach spans. Maintenance agreements between FDOT and the Georgia Department of Transportation (GDOT) identify the NB and SB bridges to be maintained by FDOT and GDOT respectively. The fender system on the south side is maintained by FDOT, and the north side by GDOT, District 5.

The project objectives were to replace 16 concrete diaphragms located in spans 7, 8, and 9 of the NB bridge and 375-030-22 include girders 3, 4, 5, 6, and 7 only. The scope also includes replacement of the existing fender system on the south side of the bridge with a polymeric fender system along with the replacement of navigation lights and clearance gauge.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Stantec	Deerfield Beach, FL	Prime: Structural Services

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*		20. EXAMPLE PROJECT KEY NUMBER
		8
21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Atlantic Isle at West of SR A1A (Bridge# 874218), Florida	Ongoing	2029 est.

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
FDOT - District 6	Victoria Zulueta, PE	305.470.5400

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

The Atlantic Isle Bridge, constructed in the 1920s, is a National Register-listed historic reinforced concrete arch deck bridge located on Atlantic Island just west of SR A1A/Collins Ave., within the City of Sunny Isles Beach in Miami-Dade County. This 41-foot, single-span bridge crossing over Atlantic Lagoon was designed by W.E. Reynolds to complement the Mediterranean Revival architectural theme of the area.

The purpose of this project is to improve structural safety and any deficiencies at the Atlantic Isle Bridge with the addition of milling and resurfacing within the project limits. This is a historic 0.25-mile bridge is located in the City of Sunny Isles Beach, Miami-Dade County, Florida. This FDOT D4 project also calls for bridge sidewalk construction, drainage improvements, and curb and gutter replacement as required.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Stantec	Coral Gables, FL	Prime: Structural Services

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER
	9

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
6th Avenue over Lake Osborne Drive - Bridge Replacement West Palm Beach, Florida	2021	2025

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Palm Beach County	Will Carey	561.684.4150

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

Palm Beach County Roadway Production is proposing improvements to 6th Avenue South over Lake Osborne Drive, extending from the Congress Avenue intersection to west of the Grove Street intersection. The improvements include replacing the bridge over Center Drive and Lake Osborne Drive to improve vertical clearance and to provide continuous bike lanes and sidewalks throughout the project corridor. The existing land use within and surrounding the project area is dominated by Palm Beach State College and John Prince Park west of the bridge, and residential to the east of the bridge. 6th Avenue South crosses Lake Osborne and is bordered on the north side by the Lake Worth Drainage District (LWDD) conveyance canal (L-13 Canal). Improvements include milling and resurfacing and minor widening of the existing four-lane divided urban roadway from Congress Avenue to the bridge and milling and resurfacing and minor widening of the existing five-lane undivided urban section from the bridge to the end project. The improvements will construct new six to eight-foot sidewalks on both sides of 6th Avenue and will introduce five-foot bike lanes adjacent to turn lanes and seven-foot bike lanes in the rest of the corridor.

The existing 6th Avenue South typical sections consist of a four-lane divided urban roadway from Congress Avenue to the bridge and a five-lane undivided section from the bridge to the end project. The proposed 6th Avenue South urban typical sections will consist a four-lane divided urban roadway from Congress Avenue to the bridge and a five-lane undivided urban section from the bridge to the end project, and new six to eight-foot sidewalks on both sides of 6th Avenue and will introduce five-foot bike lanes adjacent to turn lanes and seven-foot bike lanes the rest of the corridor.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Stantec	Orlando, FL	Prime: Structural Services

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER
	10

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Bridge Design Continuing Services Replacement of 10 Bridges Fort Lauderdale, Florida	2008	Ongoing

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Fort Lauderdale	Ramond Nazaire	954.828.8000

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

The City of Fort Lauderdale has received funding for the execution of these projects from FDOT District 4 through a Local Agency Program (LAP) agreement. There are numerous challenges in these project such as proximity of existing residences and boats, MPT phasing construction within a limited row, utility coordination and relocations, biological survey, permitting, completion of U.S.C.G (United States Coast Guard) Project Questionnaire Programmatic, Categorical Exclusion checklist, bridge hydraulics and scour determinations, etc. The projects were divided in two Task Orders to expedite the completion of the design and to be able to start construction of the bridges that have be

Services include providing full engineering services for the replacement of ten existing bridges:

1. 865766 (SE 15th Avenue)
2. 865767 (SE 15th Avenue)
3. 867778 (Harborage Isle)
4. 865729 (E. Las Olas Blvd)
5. 865712 (Castle Harbor)
6. 865713 (NE 41st Street)
7. 865774 (W. Lake Mercedes)
8. 865770 (Laguna Terrace)
9. 865775 (S. Ocean Drive)
10. 865773 (W. Lake Lucille)

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Stantec	Coral Gables, FL	Prime: Design, Environmental Permitting

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS												
26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	**27. ROLE IN THIS CONTRACT (From Section E, Block 13)**	**28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)**									
		1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
Mohit Soni, PE, PMP, P.Eng.	Project Manager	●	●	●	●		●	●	●	●	●
Juan Bolivar, PE, PMP, LEED AP	Principal in Charge	●					●	●		●	
Grant Curtiss, PE, SE	Structures	●					●	●	●	●	
Marianela Garcia, PE	Structures	●	●	●	●	●	●	●	●	●	●
Kunal Malpani	Structures	●	●				●	●	●	●	
Robert Smith, PE	Structures	●	●	●	●		●	●	●	●	
Taylor Perkins, PE	Structures							●			
Pere Pla-Junca, MS, PE	Structures	●	●		●		●	●	●	●	
Joseph Kelvington, PE	Structures										
Maurice DeBeary, PE	Structures										
Dominick DeJohn, PE	Structures										
Naveed Mohammed, PE	Structures	●	●	●	●	●	●	●	●	●	●
Christopher Gamache, PE	Structures										
Patrick Leung, PE	Roadway/Traffic Control	●	●		●		●	●		●	
Todd DeMunda, PE	Coastal Engineering/Scour								●		
Donald Mattson, PE	Drainage/ Bridge Hydraulics	●			●		●	●		●	
Michael Drauer, MS	Environmental (as needed)		●	●			●	●			
Dave Clarke PE, CFM	Utility Coordination/Design						●				
Janette Lachowski, PE	Navigational Lighting	●	●		●		●	●	●	●	
Donavon Cunningham, TRET, NACE III, SPRAT III	Bridge Coating/Painting			●	●			●			

29. EXAMPLE PROJECTS KEY			
NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Palm Beach County Annual Structural Services Palm Beach County, Florida	6	Bridge Design Continuing Services Contract, Fort Lauderdale, Florida
2	Various Duval County Bridge Repair Design Duval County, Florida	7	I-95/St Marys, FDOT D2, Florida
3	Districtwide Miscellaneous Minor Bridge Repair Design Consultant Services, Florida	8	Atlantic Isle at West of SR A1A (Bridge# 874218), Florida
4	Districtwide Minor Design, Broward, Palm Beach, Martin, St. Lucie & Indian River Counties, Florida	9	6th Avenue over Lake Osborne Drive - Bridge Replacement, West Palm Beach, Florida
5	Districtwide Major & Minor Bridge Rehabilitation and Repair, Florida	10	Bridge Design Continuing Services Replacement of 10 Bridges, Fort Lauderdale, Florida

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

Stantec, founded in 1954, provides professional consulting services in engineering, architecture, interior design, planning, landscape architecture, surveying, environmental sciences, project management, and project economics for infrastructure and facilities projects. Our focus is on providing innovative solutions respecting local preferences and understanding the myriad environmental regulations and design guidelines that affect today's transportation projects. We manage the project development process proactively, recognizing that successful projects require more than just good technical solutions - they must be sustainable economically, socially, and environmentally. We pride ourselves on our ability to work with our clients and stakeholders to achieve that while supporting cost-effective solutions.

Our local strength, knowledge, and relationships, coupled with our world-class expertise, have allowed us to go anywhere to meet our clients' needs in more creative and personalized ways. With a long-term commitment to the people and places we serve, Stantec has the unique ability to connect to projects on a personal level and advance the quality of life in communities across the globe.

With in-house teams including highway, bridges, environmental, signalization, signing pavement & markings, utility coordination, MOT, and drainage design, we can provide integrated, innovative solutions for all of the City's needs. Our roadway experience consists of numerous projects including full roadway reconstruction, road widening, resurfacing, and signalized intersections, as well as major highway and interchange work. Traffic Calming and walk-able community concepts are incorporated in every design. We offer a holistic approach to neighborhood improvements which incorporates safety and aesthetics to provide your residents a better quality of life.

We have assembled a multi-disciplined team of engineers to address the challenges posed by the project contract. The collaboration of our firms offers the City of Fort Lauderdale extensive relevant design experience, strong local expertise, and effective project management capabilities that can translate from small projects to the larger, more complex projects. Our team can handle a single discipline or multiple disciplines as may be required. We have a tremendous amount of experience working under this scenario, and are prepared to respond promptly to the City's needs.

We also understand the importance of creating solutions that get the projects done. Analyzing the scope requirements and looking beyond to understand what is required to achieve a successful project, whether we apply value engineering measures or recommend measures that save the City long-term operational cost, the goal is always to "maximize the value of each project". Special attention to budget and schedule requirements assures that projects are delivered on time & on budget! We are committed to planning the project to meet the budget and schedule constraints.

Stantec is an environmentally conscientious company that looks at different ways to incorporate green solutions to common designs. Many of our professionals are LEED certified. We strive to design projects that will be both environmentally friendly and easy to maintain. Our designs pay particular attention to the proposed life of the facilities to maximize the City's investments. We are always looking for ways to incorporate these solutions into our everyday activities.

STRUCTURAL ENGINEERING

We design the structural foundations to support the vital elements of our communities, including buildings, bridges, and roadways.

From building foundations to superstructures, Stantec's structural engineers are proficient in a wide range of structures, environments, and materials. In fact, our structural engineering services have created the essential framework for some of the most significant structures in North America, including the longest

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

bridge over ice-covered water in the world, the Confederation Bridge.

Our structural vision is to deliver a reliable and solid framework that withstands the test of time. Successful structures are measured not only by their stability, but also by their economy in fulfilling their purpose. Successful solutions do more with less. At Stantec, we are involved in the evaluation, renovation, and rehabilitation of existing structures on an ongoing basis. Our services include specialized structural analyses, computer modeling and analyses, earthquake and vibration control, blast resistant structures, cable supported structures, as well as domes and tension fabric structures. We are committed to continuous innovation and devote our abilities to bringing the latest technology to every project. We have access to decades of experience and encourage a multidisciplinary, integrated approach to delivering optimum design solutions.

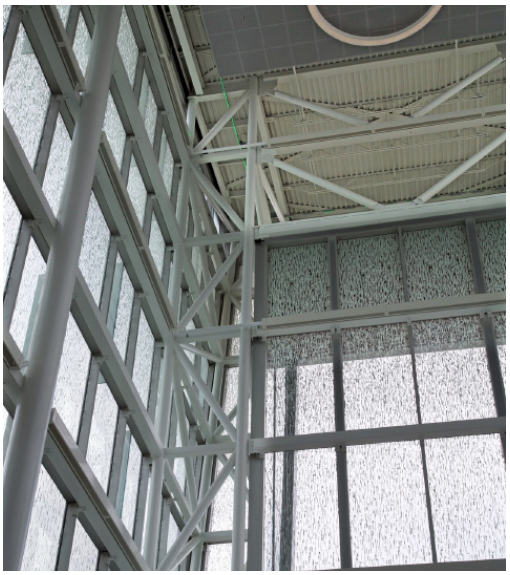
Stantec facts

- We bring you a committed team possessing vast local, state-wide, and national experience, providing you with the best project execution
- We are ready to begin the work immediately
- We are committed to continuing our relationship with City of Fort Lauderdale

BRIDGES

We understand how critical designing new and rehabilitating and maintaining existing bridge infrastructure is to the health—and future—of your community. From idea to execution, we ensure that new and existing bridges are not only highly functional, but also fit the local setting and become an asset that supports a community for decades to come.

We also bring together community stakeholders and experts from across various fields to create, maintain, rehabilitate, and manage safe, innovative bridges that span the distances between where we are and where we want to go.



I. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.	
31. SIGNATURE	32. DATE
	05/22/2025
33. NAME AND TITLE	
Juan Bolivar PE, PMP, LEED AP, Prinicipal in Charge	

ARCHITECT - ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*

PART II – GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME	3. YEAR ESTABLISHED	4. UNIQUE ENTITY IDENTIFIER
Stantec Consulting Services Inc.	2012	GEBPDQBFV5M5

2b. STREET	5. OWNERSHIP
800 Fairway Drive Suite 195	a. TYPE: **Corporation**
2c. CITY: Deerfield Beach / 2d. STATE: FL / 2e. ZIP CODE: 33441-1828	b. SMALL BUSINESS STATUS: **N/A**
6a. POINT OF CONTACT NAME AND TITLE: Patrick Leung - Principal, Senior Project Manager	7. NAME OF FIRM *(If block 2a is a branch office)*
6b. TELEPHONE NUMBER: (954) 481-2816 / 6c. EMAIL ADDRESS: patrick.leung@stantec.com	**Stantec Inc.**

8a. FORMER FIRM NAME(S) *(If any)*	8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) Firm	c. No. of Employees (2) Branch
02	Administrative	6024	8
05	Archaeologist	656	1
06	Architect	1328	0
07	Biologist	422	0
08	CAD Technician	1215	5
10	Chemical Engineer	440	0
12	Civil Engineer	4178	13
14	Computer Programmer	1369	0
15	Construction Inspector	349	0
21	Electrical Engineer	1203	4
23	Environmental Engineer	867	0
24	Environmental Scientist	1754	1
27	Foundation/Geotechnical Engineer	675	0
38	Land Surveyor	387	2
42	Mechanical Engineer	1358	2
47	Planner, Urban/Regional	964	0
48	Project Manager	2055	1
57	Structural Engineer	1280	1
58	Technician/Analyst	2023	0
60	Transportation Engineer	318	1
	Other Employees	2432	0
	Total	**31297**	**39**

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)*
A06	Airports; Terminals and Hangars; Freight Handling	10
B02	Bridges	10
C10	Commercial Building (low rise); Shopping Centers	10
C16	Construction Surveying	7
E02	Educational Facilities; Classrooms	10
E03	Electrical Studies and Design	9
E09	EIS, Assessments of Statements	10
E11	Environmental Planning	10
E12	Environmental Remediation	10
H07	Highways; Streets; Airfield Paving; Parking Lots	10
I06	Irrigation; Drainage	7
L03	Landscape Architecture	8
R03	Railroad; Rapid Transit	10
R11	Rivers; Canals; Waterways; Flood Control	8
S04	Sewage Collection, Treatment, and Disposal	10
S10	Surveying; Platting; Mapping; Flood Plain Studies	7
S13	Storm Water Handling & Facilities	9
T03	Traffic & Transportation Engineering	10
T04	Topographic Surveying and Mapping	6
W02	Water Resources; Hydrology; Ground Water	10
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)

a. Federal Work	10
b. Non-Federal Work	10
c. Total Work	**10**

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE	b. DATE
	**May 12, 2025**

c. NAME AND TITLE

Amy Campbell - Vice President, Regional Leader US South

AUTHORIZED FOR LOCAL REPRODUCTION

STANDARD FORM 330 (REV. 7/2021)

ARCHITECT – ENGINEER QUALIFICATIONS

3. SOLICITATION NUMBER *(if any)*

PART II – GENERAL QUALIFICATIONS

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

2a. FIRM (or Branch Office) NAME **Bridge Diagnostics, Inc. (Headquarters)**		3. YEAR ESTABLISHED **1989**	4. DUNS NUMBER **557400785**
2b. STREET **740 South Pierce Avenue, Unit 15**		**5. OWNERSHIP** a. TYPE **Corporation**	
2c. CITY **Louisville**	2d. STATE **CO**	2e. ZIP CODE **80027**	b. SMALL BUSINESS STATUS
6a. POINT OF CONTACT NAME AND TITLE **Brett Commander, PE, *Principal Engineer***			7. NAME OF FIRM *(If block 2a is a branch office)*
6b. TELEPHONE NUMBER **(303) 494-3230 x 312**	6c. E-MAIL ADDRESS **commander@bditest.com**		
8a. FORMER FIRM NAME(S) *(If any)*		8b. YR. ESTABLISHED	8c. DUNS NUMBER

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No of Employees (1) FIRM	c. No of Employees (2) BRANCH
02	Administrative	15	13
14	Computer Programmer	6	4
21	Electrical Engineer	2	2
27	Geotechnical Engineer	3	1
42	Mechanical Engineer	3	1
57	Structural Engineer	23	13
58	Technician	25	12
	Other Employees		
	Total	80	46

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)*
A12	Automation; Controls; Instrument	6
B02	Bridges	6
D02	Dams (Earth; Rock)	4
F05	Forensic Engineering	2
G03	Geodetic Surveying: Ground & Airborne	4
N02	Navigational Structures; Locks	3
R03	Railroad, Rapid Transit	3
T02	Testing & Inspection Services	7
T05	Towers (Self-Supporting and Guyed Systems)	1

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

(Insert revenue index number shown at right)

a. Federal Work	**5**
b. Non-Federal Work	**7**
c. **Total Work**	**8**

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE

b. DATE
March 10, 2025

c. NAME AND TITLE
Brett Commander, PE, *Principal Engineer*

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: RFQ #449

PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (*or Branch Office*) NAME: AllBright Engineering Inc.	3. YEAR ESTABLISHED: 2012
	4. UNIQUE ENTITY IDENTIFIER: 45-4140841
2b. STREET: 17901 NW 5th Street Suite 106A	5. OWNERSHIP
	a. TYPE: S Corporation
2c. CITY: Pembroke Pines; 2d. STATE: FL; 2e. ZIP CODE: 33029	b. SMALL BUSINESS STATUS: 541330
6a. POINT OF CONTACT NAME AND TITLE: Aylin Costa, PE - Executive Vice President	7. NAME OF FIRM *(If Block 2a is a Branch Office)*
6b. TELEPHONE NUMBER: (954) 533-3434	6c. EMAIL ADDRESS: aylin.costa@allbrightengineering.com

8a. FORMER FIRM NAME(S) *(If any)*	8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. Number of Employees (1) FIRM	c. Number of Employees (2) BRANCH
02	Administrative		2
08	CADD Technician		6
12	Civil Engineer	2	6
48	Project Manager	2	2
	Other Employees		
	Total	4	16

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

a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
T03	Traffic Transportation Engineering	5
W02	W Resources;Hydrology;Ground W	5

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

(Insert revenue index number shown at right)

a. Federal Work	1
b. Non-Federal Work	6
c. Total Work	6

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE

b. DATE: 05/15/2025

c. NAME AND TITLE: Aylin Costa, PE - Executive Vice President

STANDARD FORM 330 (REV. 7/2021) **PAGE 6**

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*:

PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (*or Branch Office*) NAME: CONCORR, Inc.	3. YEAR ESTABLISHED: 1990
	4. UNIQUE ENTITY IDENTIFIER: PNGUX3VUTYD5
2b. STREET: 45710 Oakbrook Court, Suite 160	5. OWNERSHIP
2c. CITY: Sterling; 2d. STATE: VA; 2e. ZIP CODE: 20166	a. TYPE: S Corporation
	b. SMALL BUSINESS STATUS: Yes
6a. POINT OF CONTACT NAME AND TITLE: Ali Akbar Sohanghpurwala, President	7. NAME OF FIRM *(If Block 2a is a Branch Office)*
6b. TELEPHONE NUMBER: +1 (571)-434-1853; 6c. E-MAIL ADDRESS: ali@concorr.com	

8a. FORMER FIRM NAME(S) *(If any)*	8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. Number of Employees (1) FIRM	c. Number of Employees (2) BRANCH
17	CORROSION ENGINEER	1	
58	TECHNICIAN/ANALYST	2	
	Other Employees	1	
	Total		

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

a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
B02		4
C10		2
C17		4

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

(Insert revenue index number shown at right)

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

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE: Ali Akbar Sohanghpurwala
Digitally signed by Ali Akbar Sohanghpurwala
Date: 2025.03.06 15:05:38 -05'00'

b. DATE: 3/6/2025

c. NAME AND TITLE: Ali Akbar Sohanghpurwala / President

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

ARCHITECT-ENGINEER QUALIFICATIONS	1. SOLICITATION NUMBER *(If any)* RFQ/EVENT# 423 - Bridge Design and Miscellaneous Structural Engineering Services CSC

PART II - GENERAL QUALIFICATIONS
(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (or Branch Office) NAME			3. YR. ESTABLISHED	4. UNIQUE ENTITY IDENTIFIER
HDR Engineering, Inc.			1985	T39AK2RRG2H9
2b. STREET 8333 NW 53rd Street Suite 302			5. OWNERSHIP a. TYPE Private Corporation	
2c. CITY	2d. STATE	2e. ZIP CODE	b. SMALL BUSINESS STATUS	
Doral	FL	33166	Large Business	
6a. POINT OF CONTACT NAME AND TITLE Jeff Arms, Area Manager			7. NAME OF FIRM *(If Block 2a is a Branch Office)*	
6b. TELEPHONE NUMBER 305.728.7400	6c. EMAIL ADDRESS Jeff.Arms@hdrinc.com		HDR, Inc. (UEI: KG5KCNG22BK6)	
8a. FORMER FIRM NAME(S) *(if any)*			8b. YR. ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. Number of Employees (1) FIRM	(2) BRANCH
02	Administrative	1,543	5
08	CADD Technician	829	3
12	Civil Engineer	874	3
15	Construction Inspector	489	2
21	Electrical Engineer	444	1
29	GIS Specialist	140	1
39	Landscape Architect	47	1
47	Planner: Urban/Regional	375	2
48	Project Manager	970	5
52	Sanitary Engineer	307	2
57	Structural Engineer	257	1
58	Technician/Analyst	2,061	7
60	Transportation Engineer	1,184	15
62	Water Resources Engineer	315	3
	Public Relations (Other)	653	2
	Other Employees	3,007	
	Total	13,495	53

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)
A05/06	Airports; Terminals & Hangars; Lighting; Fuel	10
B02	Bridges	10
C15	Construction Management	10
D01/02	Dams; Dikes; Levees	10
D04	Design Build - Preparation of Requests for Proposals	7
E01	Ecological & Archeological Investigations	8
E09	Env. Impact Studies, Assessments or Statements	10
E12	Environmental Remediation	8
G04	GIS: Development, Analysis, and Data Collection	6
H01	Harbors; Jetties; Piers; Ship Terminal Facilities	9
H07	Highways; Streets; Airfield Paving; Parking Lots	10
H09	Hospitals & Medical Facilities	10
L01	Laboratories; Medical Research Facilities	9
P05/06	Planning (Community; Site, Installation, and Project)	7
P12	Power Generation, Transmission, Distribution	10
R03	Railroad; Rapid Transit	9
R11	Rivers: Canals; Waterways; Flood Control	9
S05	Soils & Geologic Studies; Foundations	8
S07	Solid Wastes; Incineration; Landfill	9
S11	Sustainable Design	10
T03	Traffic & Transportation Engineering	10
W02	Water Resources; Hydrology; Ground Water	9
W03	Water Supply; Treatment and Distribution	10
Z01	Zoning; Land Use Studies	9

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

a. Federal Work	10
b. Non-Federal Work	10
c. Total Work	10

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

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

a. SIGNATURE

b. DATE 02/05/2025

c. NAME AND TITLE John Henderson, CEO

STANDARD FORM 330 (REV. 7/2021) **PAGE 1**

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*:

PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (*or Branch Office*) NAME: HR Engineering Services, Inc.	3. YEAR ESTABLISHED: 39 / 4. UNIQUE ENTITY IDENTIFIER: UNPPS6V91V3
2b. STREET: 7815 NW 72ND AVENUE	5. OWNERSHIP — a. TYPE:
2c. CITY: MEDLEY / 2d. STATE: FL / 2e. ZIP CODE: 33166	b. SMALL BUSINESS STATUS:
6a. POINT OF CONTACT NAME AND TITLE: Hernando R. Ramos, P.E. - President	7. NAME OF FIRM *(If Block 2a is a Branch Office)*:
6b. TELEPHONE NUMBER: 305-888-8880 / 6c. EMAIL ADDRESS: hramos@hrescorp.com	

8a. FORMER FIRM NAME(S) *(If any)*	8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. Number of Employees (1) FIRM	c. Number of Employees (2) BRANCH
27	Hernando R. Ramos, P.E.	1	
27	Chatuphat Savigamin, PH.D.,PE	1	
	Other Employees	13	
	Total	15	

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)*
	39 Years	2
	12 Years	1

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

(Insert revenue index number shown at right)

a. Federal Work	
b. Non-Federal Work	5
c. Total Work	5

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE: Hernando R. Ramos

b. DATE: 05/05/2025

c. NAME AND TITLE: Hernando R. Ramos, P.E.

STANDARD FORM 330 (REV. 7/2021) **PAGE 6**

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: RFQ/Event 423

PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (*or Branch Office*) NAME	Keith and Associates, Inc., dba KEITH
2b. STREET	301 East Atlantic Boulevard
2c. CITY	Pompano Beach
2d. STATE	FL
2e. ZIP CODE	33060
3. YEAR ESTABLISHED	1998
4. UNIQUE ENTITY IDENTIFIER	VBLCPKTQD5J6
5. OWNERSHIP	
a. TYPE	Corporation
b. SMALL BUSINESS STATUS	N/A
6a. POINT OF CONTACT NAME AND TITLE	Alex Lazowick, PE, PMP, ENV SP
6b. TELEPHONE NUMBER	954-788-3400
6c. E-MAIL ADDRESS	marketing@KEITHteam.com
7. NAME OF FIRM *(If Block 2a is a Branch Office)*	N/A

8a. FORMER FIRM NAME(S) *(If any)*	8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER
N/A		

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. Number of Employees (1) FIRM	c. Number of Employees (2) BRANCH
02	Administrative	27	18
12	Civil Engineering, PE	20	11
60	Transportation Engineering, PE	6	1
15	Construction Inspector	4	3
16	Construction Manager	13	13
29	GIS Specialist	1	1
38	Land Surveyor, PSM	8	6
39	Landscape Architect, RLA	8	7
47	Planner: Urban/Regional	9	1
48	Project Manager	4	1
53	Scheduler	1	1
	Landscape Designer	8	0
	Project Engineer	27	9
	Project Surveyor	7	5
	Survey Field Crew	26	21
	Subsurface Utility Engineer	3	3
	Subsurface Utility Field Crew	11	11
	Utility Coordinator	6	5
	VDC/BIM/CIM	3	1
	Other Employees		
	Total	192	118

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)*
A06	Airports; Terminals and Hangars	7
B02	Bridges	3
C07	Coastal Engineering	3
C10	Commercial Building	7
C11	Community Facilities	6
C15	Construction Management	7
C16	Construction Surveying	4
E02	Educational Facilities	4
F02	Field Houses; Gyms; Stadiums	4
G04	GIS Services; Development; Analys	2
H07	Highways, Street, Airfield Paving	5
H09	Hospitals & Medical Facilities	3
I06	Irrigation; Drainage	6
L03	Landscape Architecture	6
P05	Planning (Community, Regional...)	5
R03	Railroad; Rapid Transit	3
R04	Recreation Facilities	6
S10	Surveying; Platting; Mapping; Flood	6
S13	Storm Water Handling & Facilities	6
T04	Topographic Surveying & Mapping	6
W03	Water Supply; Treatment & Distrib.	5
Z01	Zoning; Land Use Studies	3

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

(Insert revenue index number shown at right)

a. Federal Work	1
b. Non-Federal Work	8
c. Total Work	8

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE: Alex Lazowick

b. DATE: 02/28/2025

c. NAME AND TITLE: Alex Lazowick, PE, PMP, ENV SP - CEO/President

STANDARD FORM 330 (REV. 7/2021) **PAGE 6**

ARCHITECT-ENGINEER QUALIFICATIONS	1. SOLICITATION NUMBER (If any) RFQ 449

PART II – GENERAL QUALIFICATIONS
(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME **RADISE International, LC**			3. YEAR ESTABLISHED **1997**	4. UNIQUE ENTITY IDENTIFIER **NUS8MYLJ1JM8**
2b. STREET **4152 W Blue Heron Blvd., Suite 1114**			5. OWNERSHIP a. TYPE **Limited Liability Corporation**	
2c. CITY **Riviera Beach**	2d. STATE **FL**	2e. ZIP CODE **33404**	b. SMALL BUSINESS STATUS **Federal WOSB**	
6a. POINT OF CONTACT NAME AND TITLE **Panneer Shanmugam P.E; President**			7. NAME OF FIRM *(If block 2a is a branch office)*	
6b. TELEPHONE NUMBER **561-841-0103**	6c. E-MAIL ADDRESS **PShanmugam@radise.net**			
8a. FORMER FIRM NAME(S) *(If any)*			8b. YR. ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	c. No. of Employees (2) BRANCH	a. Profile Code	b. Experience	c. Revenue Index Number (*see below*)
02	Administrative	5	4	T02	Testing & Inspection Services	6
08	CADD Technician/BIM	5	3	S05	Soils & Geological Studies	5
12	Civil Engineer	4	3	G04	Geographic Information System	1
14	Computer Programmer	3	2	C13	Computer Facilities; Computer	3
15	Construction Inspector	12	7	W02	Water Resources	6
16	Construction Manager	4	3	H07	Highways; Streets; Airfield Paving; Parking Lots	5
21	Electrical Engineer	1	1	C14	Conservation and Resource Management	6
23	Environmental Engineer	2	2	C15	Construction Management	5
42	Mechanical Engineer	2	2			
27	Geotechnical Engineer	16	12			
32	Hydraulic Engineer/Water Resources	4	2			
48	Project Manager	14	10			
57	Structural Engineer	2	1			
	Other Employees	11	5			
Total		85	56			

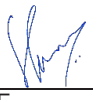
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS *(Insert revenue index number shown at right)*	
a. Federal Work	1
b. Non-Federal Work	6
c. Total Work	6

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE	b. DATE
	**5/2/2025**
c. NAME AND TITLE **Panneer Shanmugam P.E; President**	

ARCHITECT ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: RFQ/EVENT# 449

PART II - GENERAL QUALIFICATIONS

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

2a. FIRM *(or Branch Office)* NAME: **Simpson Gumpertz & Heger Inc.**	3. YEAR ESTABLISHED: 1956
	4. UNIQUE ENTITY IDENTIFIER: FL6ACVUJMGN9
2b. STREET: 2701 N. Rocky Point Drive, Suite 100	5. OWNERSHIP
2c. CITY: Tampa / 2d. STATE: FL / 2e. ZIP CODE: 33607	a. TYPE: C Corporation
	b. SMALL BUSINESS STATUS: N/A
6a. POINT OF CONTACT NAME AND TITLE: Brian M. Pailes, Associate Principal	7. NAME OF FIRM *(If Block 2a is a Branch Office)*: N/A
6b. TELEPHONE NUMBER: 813.215.0019 / 6c. E-MAIL ADDRESS: bmpailes@sgh.com	

8a. FORMER FIRM NAME(S) *(If any)*	8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER
N/A	N/A	N/A

9. EMPLOYEES BY DISCIPLINE

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

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	c. No. of Employees (2) BRANCH	a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
02	Administrative	116	0	F05	Forensic Engineering	10
06	Architect	15	0	R06	Rehabilitation (Buildings; Structures)	10
08	CADD Technician	16	0	S09	Structural Design; Special Structures	10
11	Chemist	2	0			
12	Civil Engineer	229	2			
25	Fire Protection Engineer	14	0			
27	Geotechnical Engineer	13	0			
30	Geologist	1	0			
40	Materials Engineer	2	2			
42	Mechanical Engineer	10	0			
57	Structural Engineer	332	0			
58	Lab Technician	5	0			
	Total	755	4			

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

(Insert revenue index number shown at right)

a. Federal Work	8
b. Non-Federal Work	10
c. Total Work	10

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 

b. DATE: 2 May 2025

c. NAME AND TITLE: Brian M. Pailes, Associate Principal

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3.

Qualifications of the Project Team

Team Organizational Chart

City of Ft. Lauderdale

Project Manager
*Mohit Soni, PE, PMP, P.Eng (STN/23)

Principal in Charge
*Juan Bolivar, PE, PMP, LEED AP

PROJECT TEAM			
BDI	Bridge Diagnostics Inc.	KA	Keith & Associates Inc. (M/WBE)
CI	Concorr, Inc. (DBE)	RAD	RADISE International, LC (DBE)
HDR	HDR Engineering Inc.	SGH	Simpson Gumpertz & Heger Inc.
HRES	HR Engineering Services Inc. (DBE/MBE/SBE)	SNB	Snubbs Consutling Inc. (DBE/CBE)

Legend: Staff Name (Firm) (*Names are Stantec staff unless otherwise noted)*
* Key Staff

TECHNICAL TEAM

STRUCTURES TEAM 1
Concrete Bridge
*Grant Curtiss, PE, SE
Naomi Silva, EI
Saman Dolati, PE (HDR)

STRUCTURES TEAM 2
Concrete Bridge
*Marianela Garcia, PE
Aimee Villar, EI
Rosario Nodarse

STRUCTURES TEAM 3
Concrete Bridge
*Kunal Malpani
Yagna Satti, EI
Himanshu Lodha, EI

STRUCTURES TEAM 4
Steel Bridges
*Robert Smith, PE
Brian Johnson, PE
Ofelia Gomez

STRUCTURES TEAM 5
Major Bridge Design
*John Danielsen, PE (HDR)
Waruna Jayasooriya, PE (HDR)
Ximena Mino (HDR)

STRUCTURES TEAM 6
Major Bridge Design
*Taylor Perkins, PE, PhD, SE
Kalinga Palugaswewa, PE (HDR)
Saman Dolati, PE (HDR)

STRUCTURES TEAM 7
Movable Bridge Design
*Ronald Sanchez (HDR)
Alexandra Ocampo (HDR)
Teresa Chaparro (HDR)

STRUCTURES TEAM 8
Steel Bridge Load Rating
*Pere Pla-Junca, PE
Taylor Perkins, PE
David Taylor, PE, SE

STRUCTURES TEAM 9
Bridge Load Rating
*Joseph Kelvington, PE
Samuel King, PE
Michael Chamberland, PE

STRUCTURES TEAM 10
Culverts Bridge Structure
*Maurice DeBeary, PE
Gregor Fahrendorf, PE

STRUCTURES TEAM 11
Conventional Bridge Inspection
*Grant Curtiss, PE, SE
Kunal Malpani, PE
Bradley Rose, PE

STRUCTURES TEAM 12
Underwater Bridge Inspection
*Dominick DeJohn, PE
Tim Kivi, PE

STRUCTURES TEAM 13
Moveable Bridge Inspection
*Mickey Harrison, PE
Ronald Sanchez (HDR)

STRUCTURES TEAM 14
Miscellaneous Structures
*Naveed Mohammed, PE
Ileana Torralba, EI
Eydar Castro (HDR)

STRUCTURES TEAM 15
Miscellaneous Structures
*Christopher Gamache, PE
Thomas Howell, EI

SUPPORT STAFF

ROADWAY / TRAFFIC CONTROL
*Janette Lachowski, PE
*Patrick Leung, PE
Luis Lazo, PE

COASTAL ENG./SCOUR
*Todd DeMunda, PE
Matthew Starr, PG

CEI Staff
*Charles Long, PE
Juan Bolivar, PE

GEOTECHNICAL
Jamshid Sajadi, PhD, PE (RAD)
Nitesh Goli, PE, PMP (RAD)
Hernando Ramos, PE (HRES)

DRAINAGE
*Donald Mattson, PE
Manny Francis

BRIDGE HYDRAULICS
Aylin Costa Napoles, PE (SNB)

RAILROAD BRIDGE
Gene Davis, PE
Joseph Kelvington, PE

SURVEY/SUE/HYDRAULIC
Mark Foster, PSM
Charles Schramm, PSM (KA)
Donald Spicer, PSM (KA)
Mark Mitchell (KA)

ENVIRONMENTAL (as needed)
*Michael Drauer
Mike Dinardo, PWS

CATHODIC PROTECTION
*Ali Akbar Sohanghpurwala (CI)
Brian M. Pailes, PhD, PE, NACE CP-4 (SGH)

NON-DESTRUCTIVE (Testing/ Evaluation)
*Sreenivas Alampalli, PE
Nathanial Dubbs, PhD, PE (BDI)

UTILITY COORDINATION/ DESIGN
*Dave Clarke, PE, CFM
Larissa Faria, PE, ENV SP

NAVIGATIONAL LIGHTING
*Janette Lachowski, PE
James Zuniga

PUBLIC INVOLVEMENT
Beth Beam MS, AICP

GEOPHYSICAL TESTING
Hernando Ramos, PE (HRES)

VERTICAL STRUCTURE
*Pablo Garcia, PE, SE
Erick Zuidema, PE, SE
Don Whyte

LANDSCAPE ARCHITECTURE
Kevin Mangan, PLA, ASLA
Fran DeMarco

BRIDGE COATING/PAINTING
*Donavon Cunningham, NACE
Jeremy Burner, NACE

PD&E
Gabriel Perez, PE
Chris Benitez, PE, PTOE, RSP1

CULTURAL RESOURCES
Kimberly Hinder, MHP

DRONE PILOT
Ray Dennis III

SUSTAINABILITY/RESILIENCY
*Diane Quigley, AICP, CFM, WEDG
John Malueg

Engaging the right people is the cornerstone of any successful project. With our team's experience, we are able to offer comprehensive, rapid, and cost-effective delivery. Our collective knowledge will enable us to efficiently assist you as needed. Our team members are familiar with your City and the community.

Our team is comprised of experts in their field, able, and ready to work on this project right away. Please see below for details about our key individuals' experience (full resumes are included within the SF-330 in Tab 2).

Mohit Soni, PE, PMP, P.Eng
Project Manager

Mohit has over 24 years of experience in designing and managing bridge projects. Mohit has successfully completed the FDOT Project Management Course and as a Certified Project Management Professional by the Project Management Institute (PMI). He was the PM/Lead/EOR on over 50 bridge rehabs in past 5 years. Mohit will serve as the project manager for this pursuit and be the main point of contact for the City.

Marianela Garcia, PE
Structures Team 2 Lead

Marianela has over 42 years of experience and is a highly skilled and experienced structural engineer. She has designed and supervised the construction of bridges, parking garages, hotels, office buildings, laboratories, hospitals, and retaining walls, among others. Her bridge experience has included the design of steel and concrete structures as well as various miscellaneous structures such as MSE walls, box culverts, highmast lighting, signing structures, sound barrier systems, temporary sheet pile wall systems, development of bridge rehabilitation plans, and load rating of various structures. Marianela will also serve as the Structures Engineer of Record.

Robert Smith, PE
Structures Team 4 Lead

Robert has over 41 years of experience in the design and management of structural systems. He has an excellent grasp of structural engineering principles, with an ability to develop solutions to non-typical situations in both traditional design-bid-build projects and design-build projects. He is skilled in finding problems and performing necessary change through project management or other methods. He maximizes resources to achieve client satisfaction and increased productivity, meeting deadlines and goals. Additionally, Robert is experienced in public speaking and executive management briefing.

Pablo Garcia, PE, SE
Vertical Structure

Pablo has more than 15 years of experience in the design and inspection of various projects including sport facilities, parking garages, residential and office buildings and aviation facilities. He is experienced in the design of concrete framing systems such as cast-in-place, composite precast, post-tension and steel framing including the inspection of the construction of these systems. Pablo strives to work efficiently with both the Architect and Contractor to design and build projects in the most cost-effective ways and continuously advances his knowledge of ever-changing building codes and structural design.

Janette Lachowski, PE
Roadway/Traffic Control/
Navigational Lighting *Lead*

Janette has more than15 years of experience in transportation design and plans production. Janette's experience includes preparation and design of roadway plans, roadway geometrics, drainage, signing and pavement markings, signalization, lighting, pavement design, MOT, and utility coordination, as well as extensive experience in MicroStation, Geopak, Open Roads Designer, GuidSign, and AutoTurn. Janette will also serve as the Roadway/TTCP Engineer of Record.

TEAM EXPERIENCE																										
Technical Staff	Years of Experience	Level of Involvement	Shallow Foundations (Spread/Wall/Mat)	Deep Foundations (Augercast/Steel/Precast)	Movable Bridge (Swing Bridge/Elec./Mech.)	Corrosion Protection	Existing Bridge Analysis	Culvert Design	Bridge Repair and Rehabilitation	Load Rating	Bridge Inspections	Concrete Bridge	Steel Bridge	Timber Bridge	Environmentally Sensitive	Bridges with Complex MOT	Utilities	Fender Design	Emergency Response	Bridge Over Water	FDOT Experience	LAP Project	Airport / FAA Coordination	Public Involvement	Aesthetics	Districtwide/Task Work Order Contracts
STANTEC CONSULTING SERVICES INC.																										
Mohit Soni, PE, PMP, P.Eng.	24	75%	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Grant Curtiss, PE, SE	11	65%	●	●		●	●	●	●	●	●	●	●		●	●	●		●	●	●	●		●	●	●
Marianela Garcia, PE	42	60%	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Kunal Malpani	12	60%	●	●		●	●	●	●	●	●	●	●		●	●	●			●	●		●		●	●
Robert Smith, PE	36	60%	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
Taylor Perkins, PE	17	75%	●	●		●	●	●	●	●	●	●	●		●	●	●	●	●	●	●				●	●
Pere Pla-Junca, MS, PE	18	65%	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Joseph Kelvington, PE	41	70%	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Maurice DeBeary, PE	40	70%	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Dominick DeJohn, PE	11	55%	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Mickey Harrison, PE	45	50%	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Naveed Mohammed, PE	25	70%	●	●		●	●	●	●	●	●	●			●	●	●	●		●	●	●	●	●	●	●
Christopher Gamache, PE	30	65%	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●
Patrick Leung, PE	40	50%	●	●												●				●	●	●	●	●	●	●
Todd DeMunda, PE	19	50%														●				●	●	●	●	●	●	●
Charles Long	18	55%														●				●	●	●	●	●	●	●
Donald Mattson, PE	31	70%														●				●	●	●	●	●	●	●
Michael Drauer, MS	24	75%													●	●				●	●	●	●	●	●	●
Sreenivas Alampalli, PSM	33	55%	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Dave Clarke PE, CFM	22	50%														●				●	●	●	●	●	●	●
Janette Lachowski, PE	15	70%														●	●			●	●	●	●	●	●	●
Pablo Garcia, PE, SE	15	75%	●	●		●		●							●	●	●			●	●	●	●	●	●	●
Donavon Cunningham, TRET, NACE III, SPRAT III	21	75%	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Diane Quigley, AICP, CFM, WEDG	41														●					●	●	●		●	●	●
Ronald Sanchez (HDR)	29		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

4.

Approach to Scope of Work

UNDERSTANDING THE CITY'S NEEDS, GOALS, AND OBJECTIVES

There are 52 bridges in the City of Fort Lauderdale and approximately five (5) miles of seawall owned by the City. Inspections were completed and reports were prepared for 46 of the City's bridges in August of 2014. This contract provides structural bridge engineering services for the City of Fort Lauderdale's Bridge Master Plan assets through Task Work Orders (TWO) on an as-needed basis. The project will include, but is not limited to, the design of new bridges with complete replacement phasing stages, designing repairs and/or modifications to existing bridges, and utility pipeline attachments. Currently, work on three bridges has been identified among others as summarized below.

Bridge Name	Bridge No.	Per 2014 Master Plan	ADT	Built	Reconst	Insp.	Sufficiency	NBI
West Lake Drive	865772	Replace	2690	1956	NA	2023	15.3	FO
Old Dixie Hwy Middle	865720	Repair(Conc. Jacket, Wall)	5500	1923	1959	2023	37.7	FO
SW 11th Avenue	865748	Repair(Mech Conc., Paint	6618	1925	2010	2023	32.1	FO

Stantec's approach will be to proactively and diligently work on the above and any additional bridges as they come up for either repairs or replacement, and we will start with a thorough understanding of the City's needs. Once these needs are clearly defined, our Project Manager leverages Stantec's "PM Framework" protocols so that every aspect of the project— from initial planning to final certification— is meticulously addressed, with all critical elements and milestone deliverables fully met (additional details included in the **Proposed Approach** section).

ACCOMPLISHING THE PROJECT

After the Notice to Proceed, Stantec will prepare and submit a Quality Assurance/Quality Control (QA/QC) Plan and conduct a kickoff meeting with City's assigned Project Manager and our team members. Our methodology and approach include:

- **Field reviews** will be scheduled at least a month in advance to give enough time to accommodate the tight schedule with City's Staff. We will arrange the equipment, including boats, for the field review.
- **Design production** of the project will start immediately. The initial work on the project will focus on the critical path activities, including permits coordination with SFWMD, USACE, and USCG, and permitting efforts, environmental assessments, and agency verification.
- Early **utility coordination** efforts will include initial contacts, incorporation of UAO markups, and designates/locates.
- We will maintain **constant communication** with City's assigned **Project Manager, Ms. Connie Hayman, and Senior Project Manager, Mr. Raymond Nazaire, PE, and Ms. Laura Deluca** regularly with the project progress.
- We are very familiar with the City's processes and have in-depth knowledge of the **AASHTO/FDOT Codes and Manuals.**
- The **schedule** will be updated periodically and submitted to City. We will submit required phase submittals, including Engineering Report, Preliminary (60%), Final (100%) and Sign & Seal, in compliance with the City's requirements. We will maintain a positive float in the schedule and will strive to achieve minimal review comments.
- As demonstrated in the organization chart, we have assigned **multiple team members** to simultaneously take on multiple task work orders.
- **Post-design** construction support will be provided by our senior staff and will include responding to RFIs, reviewing shop drawings, attending meetings, and providing plan revisions if any.
- **Proactive Approach/Responsiveness** will be at the forefront during all phases of design and during construction.

OVERVIEW ON PROPOSED VISION, IDEAS, AND METHODOLOGY

We design bridges that help communities move goods to market, bring services to those who need it, and get people where they need to go—easily and safely. As important as the travelers' experiences are, so too are the experiences of the communities and the needs of the City. Our sensitivity to each means that even our most complex bridge designs are balanced within context and City's budgets. Whether we're inspecting a bridge or designing a bridge, we enlist the skills of specific specialists to match the requirements of individual projects. Together with our experts in structural and civil design, transportation engineering, historic restoration, environmental planning, and our state-of-the-art analysis tools, we solicit public input, understand the context from the project's beginning, and follow up with open communication throughout design and construction. We will work with the City to improve the vitality of our communities by integrating transit, vehicle, bicycle, and pedestrian modes in road and bridge designs that promote a healthy lifestyle and improve overall mobility, but are also aesthetically pleasing. Whether we're designing a overpass bridge, a pedestrian bridge, a water crossing, or any other structure, we aim to create better choices for people. The result is a highly functional structure that fits the local setting and supports communities for decades to come.

Resiliency

Stantec is a leader in transportation resiliency, offering services related to assessing transportation assets, system vulnerabilities, and consequences of disruption and identifying, evaluating, and prioritizing actions to enhance individual structural components, general transportation assets, and the network's overall resilience. Typical actions identified range from enhancing transportation operation and maintenance programs to capital improvements. We understand the challenges to transportation systems related to natural hazards, man-made hazards, climate change, and aging infrastructure. Stantec is currently assisting our clients in implementing an array of resilient solutions, including roadway, bridge, and facility hardening, elevating and flood-proofing, and incorporating redundant features. Expanded solutions include developing and assisting with transportation staff training, tabletop exercises, and adopting emergency action and response plans. Our design of these replacement bridges will not only incorporate sea-level rise, but also the wave force as a result of extreme event such as hurricanes and flooding. The bridges will require coastal/tidal hydraulics and scour study computation by the coastal hydraulics/drainage engineer.

Sustainability

At Stantec, we know taking a sustainable approach isn't just smart practice; it's essential. We want our clients and communities to be prepared for the long-term and enabled to make smart environmental and social choices. So, we design the spaces and places where communities thrive by doing more with less, enhancing long-term vitality, and preparing for the future. For us, it's a commitment to design with the future in mind to address the challenges of the 21st century's changing climate, expanding population, and imperiled natural systems and resources with wise and farsighted responses.

PROPOSED APPROACH

Our team includes **Radise International, LC (DBE)** and **HR Engineering Services Inc**. for geotechnical engineering; **Keith & Associates Inc. (M/WBE)** and **Snubbs Consutling Inc. (DBE/CBE)** for survey, civil engineering, and landscape architecture; **HDR Engineering Inc.** for movable bridge. Additionally, **Concorr, Inc. (DBE)** and **Simpson Gumpertz & Heger Inc.** will provide cathodic protection services, and **Bridge Diagnostics Inc.** will provide non-destructive testing. These firms have been selected based on their prior experience with the City on similar projects, their working relationships with Stantec, and their reputations for delivering quality work on time. With our proposed subconsultants we are able to take on any Task Work Order. On the next page are current identified task work orders:

Melbourne Street Bridge - Florida

West Lake Drive over Diane River (Bridge No. 865772): This bridge is 100.5 ft- long, five-span reinforced concrete double T-beam bridge constructed in 1956. The bridge has a roadway width of 25 ft. and carries two lanes of traffic in a residential neighborhood. There is a 2.4 ft. sidewalk on the west side. The bridge is the sole means of access to properties on the north side of the bridge. This bridge has been classified as Functionally Obsolete. The bridge is currently load posted for SU, C and ST vehicles at 20, 24 and 32 tons, respectively. The interior double T-beams are the controlling members. There is one 6 in. ductile iron and one 3 in. galvanized utility pipe attached to the left side of the bridge; one 6 in. ductile iron, one 3 in. PVC and one 4 in. ductile iron utility pipe attached to the center flange of Beam 4 in all spans; and one 4 in. utility attached to the right side of the structure in all spans. These utilities will need to be relocated to accommodate bridge replacement.

Old Dixie Hwy over South Fork of Middle River (Bridge No. 865720): This bridge is 82.7-ft.-long, has three spans, reinforced concrete arch-deck, was constructed in 1923, and widened using prestressed concrete slabs in 1959. The bridge has a roadway width of 28.4 ft. and carries two lanes of traffic in a residential neighborhood. There is a 4.3-ft. sidewalk on the west side. The bridge was classified as Functionally Obsolete based on an October 1994 load rating and requires posting for SU and C vehicles at 16 and 29 tons, respectively. The bridge is posted for SU and C vehicles at 16 and 28 tons for northbound traffic and 16 and 29 tons for southbound traffic. The concrete arch controls the rating. The repairs for this bridge include spall repair in the slab unit, spall/ delamination and crack repairs for the arch, and removal of the abandoned utilities; as well as installation of Cathodic Protection/Pile Jackets; and replacement Bulkheads at each quadrant**.**

SW 11th Avenue over North Fork New River (Bridge No. 865748): The original 144.6-ft.-long, steel pony truss swing bridge was constructed in 1925 by the Champion Bridge Company of Wilmington, Ohio, to replace a single-lane swing bridge in use from 1916-1924. The bridge was rehabilitated in 2010, has a roadway width of 18 ft., and carries two lanes of traffic in a residential neighborhood. There are 5-ft. wide sidewalks on each side. The bridge is classified as Functionally Obsolete. Based on a December 1987 load rating, the bridge requires posting and it is currently posted at 5 tons. The end floorbeams control the rating, but it is unclear what deterioration was accounted for in the analysis, if any.

Like all movable bridges, the SW 11th Avenue Swing Bridge is a complex machine that often presents operational and maintenance challenges for the City. The bridge is nearly 100 years old (built in 1925) and while the City has been doing a great job maintaining the bridge, this aging structure may need repairs in the near-to mid-term to avoid costly downtime. The scope on this bridge includes timber sidewalk planks replacement, clean and paint the bridge, perform concrete repairs, perform in-depth mechanical maintenance, and seal holes penetrations in electrical conduits and cabinets; cracked weld between the main bar and the top of Stringer repair; stringers/floor beam repairs; truss repairs; abutment erosion protection; substructure repairs at End Bent 1; fender system repairs; drive machinery repairs and painting; balance wheel track replacement; main reducer seal replacement; bumper block repair or replacement; end lift and span locking system improvements; access platform repairs and/or enhancements; electrical system improvements; and structural steel spot painting.

However, some items listed will require focused attention, including the end lifts and span locking system improvement and the balance wheel track replacement. The end lifts and span locking system was repaired last year, however, the root cause of the system has not been solved. The system's linkages are hard to get properly aligned and causes high loads due to friction. If the bridge just operates once in a while with enough time to cool down between operations, the issue does not become evident. A closer look at the linkages misalignment issue may be warranted to prevent the return of the system's failures in the future. In addition, there is section loss of the balance wheel track and the anchors attaching the balance wheel track to the pivot pier. Due to these components being submerged during extreme high tides, corrosion will continue to be an issue throughout the remaining life of the bridge. Therefore, these items should be replaced with something more corrosion-inhibitive, such as a galvanized balance wheel track and a stainless steel anchorage system. Our team developed a similar solution to the balance wheel track system for the Trout River Swing Bridge in Jacksonville, FL, which had similar problems with partial submersion to saltwater.

Durham Bridge - Maine

Our Team has vast experience in determining the extent of repairs and providing designs that decrease life cycle costs, are constructible and maintainable, and reduce impact to the traveling public. Whether an assignment is to provide emergency repairs, perform inspections, or deliver engineering services for an improvement or study, the City needs a trusted partner who understands all aspects of movable bridges. Our subconsultant, HDR, has a movable bridge group with a portfolio containing more than 120 repair tasks and rehabilitation projects within the last 5 years, including 15 design projects and 8 emergency responses in Florida within the last 3 years. The local staff proposed for this team has serviced and/or provided rehabilitation design documents for 8 swing bridges in Florida within the last 3 years including the historical Ft. Denaud Swing Bridge in Hendry County. In addition, the same team members have inspected the SW 11th Avenue Swing Bridge through their current FDOT D4 Local Government Bridge Inspections contract, are familiar with the bridge, and will be available to help the City with any engineering needs this swing bridge may need.

We understand that this contract includes projects for bridge design, structural plans review, and design of structural components for buildings, roads, and any other structural design task required by the City. Stantec is recognized as a multi-discipline, engineering and architectural firm with extensive background in the planning, design, post design, and construction inspection of new bridges, buildings, roadways, drainage, utility replacements, upgrades to public site facilities, and rehabilitation of existing infrastructure similar to those currently owned and operated by City. Stantec's in-house design team includes transportation, civil, environmental, landscape architecture, architecture, and structural engineering disciplines with extensive experience in the planning, design and rehabilitation of all types of public facilities. We are fortunate to have been awarded over 50 of these continuing services contracts for 20 different public sector agencies throughout South Florida. The success of these contracts has provided Stantec with a clear understanding of these services and knowledge that we must remain on-call and provide immediate response for the needs at hand.

Emergency Response

Under our Annual Structural Services Contract with Palm Beach County, Stantec responded to three emergency calls including the SC Courthouse Parking Garage Deck Evaluation (Project #17485); the John Prince Park Administration Building overhangs (Project #17052); and the 6th Avenue South emergency bridge hit (Project #17052) where sign and sealed plans were submitted within a week from NTP. Additionally, Stantec has responded to more than five emergencies with FDOT Districts 2, 3, and 6 in last three years. These emergencies include natural disasters and issues during construction.

Similar Local Experience

Stantec has successfully completed structural engineering services with the City. These projects include: City Parking Garage Rehabilitation; South Beach Parking Lot Wall Replacement and ADA Improvements; City Hall Parking Garage Rehabilitation; and Replacement of Ten Bridges under Bridge Design Continuing Services with the City, Oversight review of LAP projects including 450866-1: West Lake Drive at Lucille River Bridge #865773, 450867-1: West Lake Drive at Mercedes River Bridge #865774, 450868-1: West Lake Drive at Estelle River Bridge #865771, 450870-1: SE 7th Street at Rio Cordova Bridge #865760, and Replacement of Castle Harbor Bridge. Bridge # 865712.

Structural Engineering

Structural engineering has always formed a solid work core for our building structures division and transportation group. In building structures, we work jointly with our architectural group, designing structures ranging from small park pavilions and restrooms to multi-story office and institutional facilities, predominantly in the public sector. These services include structural renovations, building expansions and additions, forensic studies, historic preservation and restoration, hurricane hardening, and code compliance inspections. Our use of REVIT modeling can be a useful tool in providing 3D visualization for use in coordination with architects and MEP engineers. Our marine services include seawall design, marinas, boat ramp and kayak launches, boat lift piers, boat storage facilities, lifeguard tower prototypes, boardwalks, and dune crossovers. Our transportation division is considered to have one of the best bridge design groups in Florida, with local experience that includes many bridges in Broward County. Our experience includes new bridge design, deck replacement, sub and superstructure repair, historic bridge evaluation and restoration, bridge jacking, MSE wall and mast arm design, and traffic barrier upgrades. Our staff can handle smaller miscellaneous items like signs, fencing, gates, privacy walls, bus stops, score boards, light poles, art in public places, and canopies. It should also be noted that Stantec has considerable experience in FDOT LAP project design and permitting.

We have an extensive government practice; however, we do a significant amount of private sector work as well. Our institutional expertise with K1 through K-12 as well as Community College and University expertise can assist the City with any needs on its facilities. Our Buildings practice also includes work at general aviation and international airports thus adding another layer of expertise that can be made available to the City.

Plans Review

In past years we have received assignments which include plan reviews and standalone projects such as small bridges. Stantec brings a wealth of expertise from the review of simple pre-stressed unit bridges with concrete topping, to more complex post-tensioned and steel box girder structures. Given our extensive resources, we can match the appropriate reviewers to the complexity of the assignment to adequately address schedules and budgets. Our in-depth expertise in repair and rehabilitation provides the City a team that can that can review intended repair schemes for appropriateness and constructability. Oftentimes the structural solution is not the only issue that needs to be reviewed. Environmental impacts and permitting restrictions such as the need for top down construction, biological and endangered species studies, and consultations or US Coast Guard permitting are key. Other times, how construction is phased and impacts to traffic minimized, are important. We understand that we will be serving as an extension to City's staff providing any requested services, including plans review for structures.

Judge Seeber Bridge, New Orleans, Louisiana

Stantec is keenly aware of and experienced with the technical and management challenges associated with miscellaneous continuing service type contracts. The following outlines Stantec's understanding of the potential project issues. A successful project has many components, including:

1. Preparation and/or updating Construction Plans: Our staff has successfully completed numerous highway and bridge projects including bridge restoration and rehabilitations, railing retrofits, and minor and major roadway and bridge projects involving a range of support disciplines. Our first step in completing any assigned task will be a meeting with the City Project Manager to identify the project needs, visit the site, discuss the project scope, assign staff, prepare and negotiate man hours, and prepare the project schedule.

2. Identification of Repair / Rehabilitation Structural Projects: Problems are typically initially identified through the biannual bridge inspection process. In addition to this, problems can surface through emergencies such as vehicular impact, scour caused by flood waters, and fire damage to structures. Our team is centrally located within close proximity to the City, can be easily reached by cellular phone in the event of any emergency, and qualified staff will be immediately mobilized to the site in any part of the City. We have over 750 employees statewide to draw resources from our various other Florida offices if needed. Stantec is also experienced in the design of remediation work associated with Sea Level Rise and can assist the City on how to prepare and to deal with this issue as the need arises.

• *Detailed Inspection Structures:* Upon receiving a notice to proceed, a detailed review of all existing records is performed. This includes existing plans, inspection reports, maintenance records and records of prior repairs. This review prepares our inspection personnel with the proper background in analyzing the structure in the field. Our philosophy is to thoroughly perform the field review and identify all issues by classifying them as critical or non-critical to assist the City in funding the project. This approach of identifying all issues ahead of time and bringing them to the City's attention avoids surprises and potential emergency situations in future.

• *Structural Analysis/Load Rating and Development of Repair Schemes:* Following the completion of the bridge inspection, and identification of the problem at hand, a detailed analysis/load rating is performed to identify the cause of distress and develop a proper solution. The depth of analysis involved is dependent on the complexity of the problem. Potential causes of distress vary with types of structures. For movable bridges, the issues could be related to trunnion and trunnion bearings, new deck, stringers, floor beams and girders, drive machinery and balance calculations. For other structures, the problem can be as simple as the sealing of cracks and repairs to spalling concrete. Given these types of problems, the key is determining the cause of structural or non- structural cracking and developing proper analysis techniques, as well as identifying proper repair materials and their applications. When it comes to complex analysis, the Stantec Team has the ability to utilize finite element analysis to develop cost effective repair solutions.

• *Development of Structural Repair Plans:* The development of structural repair plans involves careful detailing and proper coordination of all involved disciplines. Proper attention to the interaction of the mechanical and electrical system is crucial. Additionally, we have developed repair plan schemes such as abutment protection repair plans due to scour, complete fender system repair plans, expansion joint and deck sealing plans, repair of damage caused by vehicular hit, structural steel repair and strengthening through post-tensioning, and augmentation of foundations. Although not a structural repair in nature, the development of bridge painting/lead paint abatement and cathodic protection plans is often required under these types of contracts. These repair plans/schemes are tied to the project construction cost estimate and the budget is tracked from the initial phase to the final.

Matanzas Pass Bridge, Florida

3. Coordination of Roadway Plans: Often overlooked and poorly coordinated with bridge plans, the development of good roadway and drainage plans is another key component in developing successful bridge projects. Our design team places a high priority on close coordination between roadway, drainage and structures design. Another important element is the development of the traffic control plan and construction staging plan which will be utilized during repairs and/or construction of the bridge. Specific portions of the roadway approaches will be taken into consideration when developing the phasing for the bridge work to make traffic flow as safely as possible and to protect construction workers.

4. Technical Special Provisions: Stantec has significant experience in developing technical special provisions. We have certified specification writers on staff and have individuals trained in specifications package development, and we have recently completed the specifications packages for the emergency scour repairs and Miami River dredging projects in Miami-Dade County.

5. Environmental Issues and Permitting: Stantec has an excellent working relationship with the local agencies (SFWMD, LWDD, FDEP, ACOE). We also have extensive permitting capabilities to handle any project issues, should the City require permit assistance including obtaining permits from FDOT for needed improvements.

6. Utilities: Another added advantage that Stantec brings to the City is our capabilities and extensive knowledge in the coordination and design of utilities. Stantec has held numerous utility coordination contracts with various entities. Our most recent project includes the utility coordination for the reconstruction of I-595 between I-95 and I-75 for FDOT District 4.

7. Tidal Bridge Hydraulics/Drainage: We will perform scour stability analyses for the 100-yr event, design recommended countermeasures based on the results of this analysis, and provide a scour report based on the proposed designs. According to FEMA FIRM panel 12011C0386H, effective 8/8/2014, these bridges are located in Flood Zone AE, with a 1%-annual-chance BFE of +5 ft NAVD88. The primary source of flooding is storm surge from the Atlantic Ocean. To determine the 100-yr flow velocities at the bridge location, we will develop a 2D storm surge model using publicly available bathymetry and topography (NOAA, USGS), the published FDOT storm surge hydrograph relevant to the location, and the FIS reported discharge. As defined in the FDOT Bridge Scour Manual, sea level rise will be incorporated using the linear trend at the nearest NOAA tide gauge with trend data, in this case, Virginia Key, FL which shows an increase of 3.10+/-0.22 mm/yr from the 1930s to the present. The results of this effort will be used to perform the scour analyses. Contraction scour and long-term aggradation/degradation will follow procedures in the FDOT Bridge Scour Manual, Chapter 2. Scour at the bridge piles will be computed using the methods in Chapters 3 and 4 of the FDOT Bridge Scour Manual. Countermeasure design will follow the procedures found in HEC-23, Volume II, with guidelines dependent on the type of countermeasure proposed (riprap, gabion mattresses, etc.). The Plans of Action (POAs) will use the procedures found in HEC-23, Volume I, Chapter 2. Scour countermeasures will be installed based on the analyses' recommendations and include removing previously installed scour protection, as applicable. We will closely evaluate FEMA Flood map to confirm that hydraulics analysis is warranted on any project

8. Post Design Services: The culmination of every project is the construction phase. Stantec will provide post design services as required including attending construction meetings, responding to RFI's, and reviewing shop drawings. Many of the same issues that arise on bridge projects also come into play with building structures. In fact, the same philosophy of plan preparation, QA/QC review and coordination with agencies and subconsultants bears true with building structures. However, building rehabilitations, especially structural, require a thorough knowledge of the Florida Building Code and ASCE-7 requirements. This really comes into play when hardening a building for upgrading it for hurricane protection. Stantec has a solid history of building hardening projects for counties and municipalities, including community centers serving as secondary evacuation centers and primary pump stations for both stormwater and sanitary sewers that require redundancy and backup support so that they will not fail during and after storm events.

Stantec has a more-than-adequate number of professional engineers on staff to service task work orders that may be issued on this contract. Stantec is prepared to commit personnel as needed for these projects starting at the top with our assignment of **Mohit Soni, PE, PMP, PEng, as Project Manager.** As a Sr. Principal of the firm and Structures Manager for Stantec in Florida, he will allocate resources to verify that the project is adequately staffed with quality personnel. **Marianela Garcia, will serve as a Structures Engineer of Record** among others bridge team leads and **Janette Lachowski, PE, as the Roadway Engineer of Record**. We have assembled over a dozen teams to tackle the variety of simultaneous task work orders without compromising the schedule and quality on any of the on-going task work orders.

Time Management

Stantec's planning, programming and design process is structured with particular attention to the schedule and cost control, cost estimates, and time management to guarantee the budget and time allocation for each project performed regardless of the type or size of project. As part of our control we look at every aspect of a project that may develop into a delay and eliminate it up front with a proactive approach to reduce the overall time involved in what others may consider to be "unforeseen conditions". This includes developing a strong due diligence program in the initial phase of the project. Many of the obstacles that result in time delays revolve around improper or inadequate due diligence with regard to proper project property delineation, historical document review, utility locates and clearances, proper code and design criteria, and adequate permit handling. Stantec is experienced in permit and plan production scheduling. As you are aware, all permitting is sometimes difficult to estimate when it comes to scheduling. We shall develop a realistic schedule at the start of the project based on other similar projects so that submittal and milestone dates for plan production can be achieved. Some of Stantec'sunique approaches developed over the years include pre-permitting and early dry run submittal. Both of these techniques have shown to help reduce the time and potential cost impact of the permitting process.

PROJECT CONTROLS

Schedule Control

We understand how critical schedules are. Maintaining a project on schedule begins with understanding the key issues that drive it and developing contingency plans to control it. The primary purpose of the project schedule is to provide a full accounting of all relevant activities and phases as well as the proper sequencing of project related events such that the project is delivered on schedule. Following are some of the strategies that Stantec uses to control the project schedule:

- A pro-active Project Management Plan (PMP) developed from our PM Framework
- Intensive due diligence phase
- Accelerate non-critical path activities to compensate for unforeseen delays later on
- Meet with City's staff, public officials, & key community members ahead of time for consensus on key project issues
- Clear understanding of Scope of Services confirms the schedule is created correctly from the beginning
- Allow for proper QA/QC time
- Allow time for permitting including scheduling of pre-application meetings with all agencies

Cost Control

Cost estimating remains a critical part of our design process and cost control methodology. Stantec will develop all costs within the defined goals using constructability analysis, value engineering, budget constraints, and scheduling to achieve those goals. Generally, we produce these cost estimates during the course of the design. During all phases of the project, Stantec will review the construction cost estimates and refine the design to maintain the project on budget and on time. One factor that has positively influenced our cost-estimating abilities is that Stantec has worked on varied projects and has recent cost estimates that can be used as a reference. Stantec also has access to general contractors that have also worked on similar projects that can provide cost estimates that are current and realistic. Working with contractors daily during design development gives us a different perspective from most design firms, and we utilize value-engineered cost savings in our everyday design approach. Stantec has extensive experience in helping municipalities achieve positive bottom-line results by improving existing processes, identifying new ones, and pinpointing areas for cost savings. We have the management perspective and specialized knowledge needed to deliver significant cost reductions with improved efficiencies to our clients, therefore adding value to the project. Our effective management team reviews the anticipated costs, researches alternative savings methods continually, and monitors progress and quality to reduce your costs.

Quality Assurance and Control (QA/QC)

Stantec is an ISO 9001 certified firm under the guidelines for Quality Management principles. We use the most current technology (ISO 20000) in accordance to our published QA/QC Plan, which allows for optimum and accurate design. We use an in- house peer review Quality Control / Quality Assurance (QA/QC) program to complete our assignments within schedule, at budgeted cost, and with high quality and reliability. All work is executed in conformance with applicable codes and standards. The work of any sub-consultants we use is subjected to the same review as our Stantec generated work. The QA/QC Team is intimately involved from the beginning to the end of the project. In the beginning, the main endeavor of the Quality Assurance program is expressed in the idea of "do the job right the first time." The aim is to avoid retracing steps to correct defective, incomplete, and error-filled output. Identifying deviations early on and pointing out any departure from the right procedures up front is a major goal. Stantec has an aggressive quality control program and over the years we have modified and improved the plan to the point where we are pleased to hold one of the highest design ratings of any firm in the State of Florida. The performance rating is based on grades given for design with emphasis on percent complete versus schedule, errors and omissions, changes, overruns, accuracy of cost estimates, and actual field changes during construction. Stantec has developed complete check lists for the different disciplines of the project and for the different stages. Without a proper quality control plan, this degree of thoroughness could not be attained.

Familiarity with Local Regulatory Agencies

Stantec is intimately familiar with the local permitting agencies. We are extremely familiar with applying for and obtaining permits for site work, landscaping, building facilities, utilities, and engineering components for projects in Fort Lauderdale.

We routinely apply for permits for our clients with such agencies as the Broward County and City of Fort Lauderdale Building, Planning/Zoning and Engineering Departments, South Florida Water Management District (SFWMD), Florida Department of Environmental Protection (FDEP), FDOT, Miami-Dade County Public Health Department (MDCPHD), Miami-Dade County Department of Resource Management (DERM), Miami Dade County Fire Rescue, and the Army Corps of Engineers. In some cases, Stantec has also worked directly for some of these agencies, acting as agency staff in reviewing projects, developing standards and guidelines, and designing projects for the agencies.

Stantec is notably recognized for our ability to process complicated projects through the permitting stage in a timely and successful manner. Stantec employs a permit tracking matrix identified as the Project Development and Permit Checklist (PDPC), which we track continuously to ensure that each and every facet of a project is reviewed for permit requirements and important milestone deliverable dates. The PDPC tracking matrix addresses all potential permits from a master checklist defining the permit type, status, responsible parties, regulatory agency, review comments, and approval dates. This is reviewed and updated until all potential permits are addressed as either obtained or determined as being non-applicable by the owner and Stantec staff.

Plantation Pedestrian Bridge, Florida

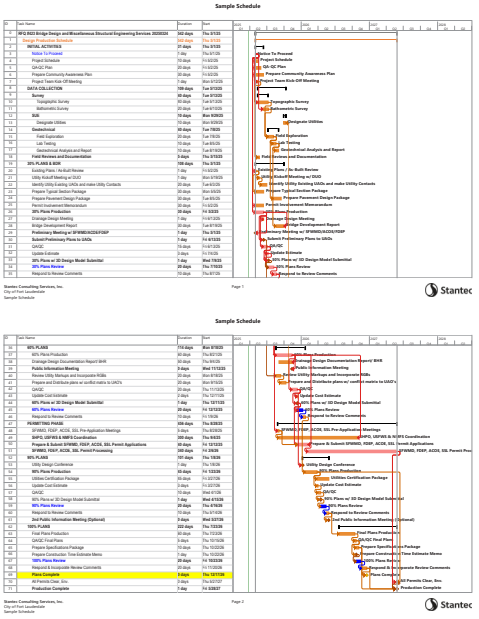
Pre-application meetings are a must for shaving time off of the permitting process. This meeting sets the project's design standards and verifies that every element that the agency needs to see in the process is included before submitting the actual permit application.

Therefore, we shall develop a realistic schedule at the start of the project based on similar type projects so that submittal and milestone dates for plan production can be achieved. We push permitting upfront deliberately so that there is adequate time for the production of plans and specifications required for bid with no surprises that result in delays or additional costs. Permitting can affect the construction cost estimate because last-minute changes required by agencies can sometimes affect the initial budget estimates and cancel projects altogether. We shall determine all possible impacts early on so that the preliminary cost estimates stay relatively the same as the plans are finalized. A schedule shall be submitted prior to the NTP so the City can track production as well as permitting all the way through bid and security of contractor.

Workload Information

Stantec is a financially strong company that continues to grow and expand in responsible ways to improve our service packages and benefit our clients. Stantec's philosophy is to maintain a healthy backlog of work while carefully evaluating and pursuing new work. We pursue projects that correspond to our areas of expertise and we schedule staff accordingly to allow for success on each project. This is especially true of our local offices that specialize in Continuing Services contracts that rely on periodic task work orders to maintain work load and facilitate growth. We anticipate that this contract will commence near the start of the new fiscal year starting on or around October 1, 2025. We anticipate that our staff will be at least 70% available for this contract at that time and our management team even more.

Our Project Manager, Mohit Soni is familiar with the City's administrative requirements and will assign work tasks so that personnel are available as planned to complete the work. The City of Fort Lauderdale is a high priority client for Stantec and will receive all required staffing and resources necessary to complete the work ahead of schedule. Mr. Soni will be available at least 75% of his time to manage this contract. Our SE Florida area personnel control short-term commitments through regular meetings where assignments are adjusted weekly. Long-term work commitments are addressed in our bi-monthly manager and team coordination meetings and through our resource loaded Primavera P6 and Microsoft Project scheduling system. Stantec's Project Management Framework requires that each task work order will have a project management plan (PMP) that includes a resource loaded schedule, fully developed scope of services, risk reviewed contracts with all sub consultants, prescribed team meetings, kickoff meetings with the client, specific phase deliverables and project specific design and permitting requirements as specified by the client's needs.



*Typical Task Work Order Schedule

Stantec has the necessary, immediate, and sustaining capacity to accomplish all of the required work through the duration of this contract. Over the next several months, the workload for all team members will drop as work tasks are completed and projects are finished. Our SE Florida area estimated workload commitment exceeds 50% for the 12-month period (October 2025 – October 2026). By the time this project contract is expected to start, the current commitment for key team members is projected to taper off, allowing sufficient resources to readily complete the project tasks. This will allow us to bring the appropriate level of resources and experience to bear for the successful completion of this project.

Our organizational chart demonstrates our depth across the breath of the City's needs. However, additional resources from over 250 personnel in the South Florida area are available to support our local team, if necessary. As a firm, the depth of our flexible staffing structure allows for additional personnel in each of the required disciplines to be added to the team in the event of an unexpected workload conflict. Therefore, every person on the organizational chart has multiple backup resources to handle unforeseen circumstances.

Our workload at Stantec is comprised of more than 95% public sector clients and projects. As such, we have developed staffing plans that are flexible yet reliable for handling multiple task work order assignments. That is the key for success for both our clients as well as for Stantec. In order to succeed in the public sector, a firm needs sufficient personnel who can multi-task on several assignments plus sub-consultants of the same mindset. In fact, it is common for staff to handle multiple projects due to the nature of task order driven assignments falling typically below CCNA limits for size. That is what separates the Continuing Service contracts from the CIP projects.

In addition, the individual discipline PM's control the staff availability to the point that projects with milestone deliverables get the highest priority to ensure that all schedules are being met, not just by their technical guidance but more importantly, thorough their managerial control. Since public sector work comprises nearly all of our work load, we have learned to balance that work, maintain schedules for deliverables on time and budget, plus be able to pull from all Stantec resources as needed for simultaneous multiple task assignments.

FACILITIES, TECHNOLOGICAL CAPABILITIES, AND RESOURCES

Our staff is very familiar with the City software such as Microsoft Windows operating system, Microsoft Word, Excel, Access Software, Bentley Microstation, and Autodesk CADD software. Stantec's team has daily access to various state-of-the-art software and equipment. Our primary software packages, such as AutoCAD Civil 3D, REVIT, ICPR, Microstation, and StarNet, are network-licensed, offering our team the flexibility to adapt to increased project demands. Our team produces the digital deliverables our clients want in the formats our clients need by applying the best combination of equipment and software to help our clients achieve their project goals with quality, safety, and timeliness. Please see the list below of specialized programs and software we have available for this project.

- Beam Stability v2.4
- Biaxial Column v3.0
- Box Culvert v4.0
- FB-MultiPier
- Live Load Generator-LRFD v3.0
- Prestressed Beam v5.2
- Bent Cap v1.0
- Retaining Wall v3.3
- Vessel Collision Risk Analysis v4.1
- Cantilever Overhead Sign v1.3
- Drilled Shaft v1.1
- Multi-Post Sign-LRFD v1.1.1
- Rectangular Spread Footing v1.1
- Single Column Ground Sign-LRFD v1.0.2
- Span Overhead Sign v1.3
- High Mast v1.1
- Atlas
- Mast Arm-LRFD v1.0
- Standard Mast Arm v1.2
- Mast Arm v5.1
- Strain v3.0
- FB-Deep
- MSE Wall External Stability v2.5.1
- Adhesive Anchor v1.0.1
- Section Properties v2.03
- Bentley Leap Bridge Suite
- AASHTOWARE Virtis
- Atlas
- cwalsht – Sheet Pile Wall Design
- CONSPLICE
- CSI Bridge
- PC Beam
- FB Multipier
- LARSA4D_v7.09.02
- Leap Consys_Bentley
- LUSAS v17.0-3
- MathCAD 15
- MDX
- openbridge_modeler
- PCA
- Project_Wise
- SAP2000_v16.1.1-version18
- SmartBridgetech_v3.1
- SPW911 Pile Buck
- STAAD Pro-
- Strain v3.0
- Texas_PGSuper_v2.9.1

In addition, our staff includes architects and graphic artists who develop scale models of buildings or facilities to help our clients and the public view how a project will look once completed. Our in-house Public Relations department creates renderings and exhibits of proposed facilities, data charts supporting projects, and computer-generated animations. The latter are particularly useful when demonstrating several phases of a project as it progresses from start to finish, but are also useful in visualizing current and future conditions

Innovation

We always look for ways to bring innovation to our projects such as on our Rock Ridge Road Bridge Project in Polk County where Geosynthetic Reinforced Soil-Integrated Bridge System (GRS) Abutments were proposed to eliminate the deep foundation. **Recently Mohit implemented five pilot projects associated with Fiber Reinforced Polymer (FRP) reinforcing, and Embedded Data Collectors (EDC) in piles to create sustainable solutions.** FRP, EDC, and GRS Abutments are promoted by FHWA and are listed on the AASHTO/FDOT innovation website. Staying current with cutting edge technology is tremendously helpful in serving on our current Annual Structural Contract.

SUCCESSFUL METHODS

Our experience with municipal clients has shown that our success in project cost control is based on early review and estimating the proposed scope before design work commences. This allows both the designers and client the opportunity to adjust budgets and/or establish alternatives to protect the base budget for the project. Likewise, we have learned and counseled our clients to include in their estimates an agreed-upon contingency based on other related project experiences in order to minimize the impact of unforeseen conditions (i.e., hurricane delays and associated general conditions costs). If success is the ability to meet expectations, then Stantec, with its ongoing approach to cost control before and during design, means to exceed it.

Furthermore, Stantec employs various methods during the planning and conceptual phase to accommodate the City's scheduling and budgetary constraints. One approach used in the past is to phase the project so that site clearing and grubbing and building pad construction could take place simultaneously with the preparation of construction drawings and subsequent permitting. This has substantially shortened the overall duration of construction for some projects. Another successful strategy used by the firm is to design a building that would allow for a future program that could not be accommodated within the current budget. A project can be constructed in a manner which will easily provide for future expansion as desired by City. Another approach is to design the project in phases using alternates, thereby allowing the City to "buy out" the alternates as funds become available. These are just a few examples of the "outside of the box" creative thinking that Stantec is proud to contribute to the design process.

We believe that the Stantec Team has extensive experience and knowledge in planning and designing. We are confident that we can successfully fulfill and execute the requirements of this contract and provide the City with outstanding projects.

5.

References

Districtwide Miscellaneous Minor Bridge Repair

Completion Year: Ongoing

Client Contact: FDOT District 6
Pablo Orozco, 305.470.5370,
pablo.orozco@dot.state.us.fl

Under this districtwide miscellaneous minor bridge repair design consultant services (on-call based contract) our tasks included expansion joints replacement, coatings assessment, repainting the superstructure girder system and bearings, bridge painting, and deck crack sealing, approach slab replacement, bearing pad replacement, submerged bridge piles removal , monitoring the contractor on the destructive testing required for the PT grout investigation and grout sampling, stabilization of bridge abutment, bent cap repairs and modification, replacing expansion joints, and load rating of the bridges.

Miscellaneous Bridge Repair & Rehabilitation Duval County

Completion Year: 2023

Client Contact: FDOT District 2
Stanley Henderson, PE, 386.961.7011,
stanley.henderson@dot.state.fl.us

Contract No. C9C99 included bridge painting, spall repair, fender repair, navigational lights, expansion joints replacement, bearing pad replacement involving five bridges in Duval County.

Districtwide Minor Design Broward, Palm Beach, Martin, St. Lucie & Indian River Counties

Completion Year: 2020

Client Contact: FDOT District 4
Kenzot Jasmin PE, 954.934.1170,
kenzot.jasmin@dot.state.fl.us

Under this contract we provided professional engineering services on various design assignments through simultaneous TWOs involving design and management services. This contract includes services such as: roadway; drainage; miscellaneous structures; traffic; ITS; signing; pavement marking; lighting; signalization; survey & mapping; geotechnical; architecture; and landscape architecture, as well as in-house production support services.

SR 90 (Tamiami Trail) Bridging from East of Osceola Camp to West of Airboat Assoc. of FL

Completion Year: 2019

Client Contact: FDOT District 6
Mario Cabrera, 305.640.7445,
mario.cabrera@dot.state.fl.us

This design-build project includes the design of 2 new bridges over the Florida Everglades. This 2.3-mile bridging project extends from east of Osceola Camp at milepost 14.038 to West of Airboat Association of Florida at milepost 17.230 in Miami-Dade County for a total distance of approximately 3.1 miles. The structure consists of FIB 72/36 beams supported on precast bent caps and 24" prestressed piles.

I-95 Bridge Deck Replacement over CR-709 and Ten Mile Creek

Completion Year: 2019

Client Contact: FDOT District 4
Kenzot Jasmin PE, 954.934.1170,
kenzot.jasmin@dot.state.fl.us

The scope of this project consists of the replacement of the four bridge decks on SR-9/I-95 over CR-709/Glades Cutoff Road FEC Railroad and Ten Mile Creek. Improvements also include milling and resurfacing, and re-striping areas impacted by construction activities. Main aspects addressed on this project include enhancing safety of the users and minimizing disturbance to the communities where the project is taking place.

SR-A1A MacArthur East Bridge

Completion Year: 2017

Client Contact: FDOT District 6
Pablo Orozco, PE, 850.330.1652,
pablo.orozco@dot.state.us.fl

This project consists of the rehabilitation of the East MacArthur Causeway Bridge The rehabilitation includes full depth deck repairs, partial deck removal with hydro demolition (3-inches deep) and high early concrete topping, spalls, metalizing, new expansion joints, pile jackets with cathodic protection, painting structural steel, repair of fender system and carbon fiber strengthening of the beams.

SR 9 / I-95 Design-Build from Indian River County Line to SR 60

Completion Year: 2019

Client Contact: FDOT D4
Anson Sonnett, PE, 954.777.4474
Anson.Sonnett@dot.state.fl.us

This design-build project includes the design of 2 new bridges over the Florida Everglades. This 2.3-mile bridging project extends from east of Osceola Camp at milepost 14.038 to West of Airboat Association of Florida at milepost 17.230 in Miami-Dade County for a total distance of approximately 3.1 miles. The structure consists of FIB 72/36 beams supported on precast bent caps and 24" prestressed piles

I-595 from I-75 to West of I-95

Completion Year: 2015

Client Contact: FDOT District 4
Paul Lampley, 954.777.4384
paul.lampley@dot.state.fl.us

The proposed Public-Private Partnership (P3) involves the improvement of approximately 10 miles of SR 862 (I-595), extending from west of 136th Street to east of the Turnpike. This comprehensive project encompasses the coordination of conflict resolution for 18 Utility Adjustment Orders (UAOs) and collaboration with multiple design consultant firms. With a total construction budget of $1.22 billion, the project covers 10.5 miles of I-595, including the complete reconstruction of the interstate and the addition of three reversible tolled express lanes.

Miscellaneous Bridge Repair & Cathodic Protection Duval & St. John's Counties

Completion Year: 2017

Client Contact: FDOT District 2
Jason Stalnaker, CPM, 386.961.7011,
Jason.Stalnaker@dot.state.fl.us

Bridge Repair contract involving 11 bridges in Duval and St. Johns Counties. The project required close interaction and communication with the State Materials Office, Specifications and Estimates Office, and various environmental permitting agencies. Additional work included repairing voids and undermining beneath submerged footings, strengthening submerged steel H-Piles by bolting steel plates to the flanges, and repairing substructure spalls and delaminations.

I-95 Bridge Deck Replacement over CR-709 and Ten Mile Creek

Completion Year: 2014

Client Contact: FDOT District 4
Kenzot Jasmin PE, 954.934.1170

Stantec is the lead designer for this $54.4 million project that involves widening I-95 to six lanes from the St. Lucie / Indian River County Line to north of SR 60 and reconstructing the SR 60 interchange. Three mainline twin bridge structures located at 90th Avenue, 4th Street and SR 60 were reconstructed as part of the project.

I-95 from SR 614/Indrio Road to the St. Lucie/Indian River County Line, St. Lucie County

Completion Year: 2013

Client Contact: FDOT D4
Anson Sonnett, PE, 954.777.4474
Anson.Sonnett@dot.state.fl.us

This SR 9/I-95 project supported Florida's economic sustainability through the movement of goods, people, and services, and serves as a primary emergency evacuation route. This project was to efficiently and safely increase traffic capacity through a design-build contract to implement a six-lane configuration. It included constructing two-additional lanes in each direction in the median of I-95 from approximately 2500 feet south of SR 614/Indrio Road (MP 23.190) to the southern ramp termini points at the Indrio Road interchange and continued with one-lane widening in each direction from that point north to the St. Lucie/Indian River County line (MP 27.259).

6.

Minority/Women (M/WBE) Participation

MINORITY/WOMEN (M/WBE) PARTICIPATION

Although Stantec is not a certified minority business enterprise firm as defined by the Florida Small and Minority Business Assistance Act of 1985, we recognize the value of services that qualified Small Business Enterprise (SBEs), Disadvantaged Business Enterprise (DBEs), Minority Business Enterprise (MBEs), and Women's Business Enterprise (WBEs) offer with their understanding and experience in their corresponding disciplines.

We have a corporate commitment to utilize qualified minority firms to the greatest extent possible on projects that can benefit from their expertise. To help promote opportunities for the economic development and growth of the Florida's diverse disadvantage, small and minority businesses, Stantec regularly seeks to include certified SBEs, DBEs, MBEs, and WBEs on our proposed project teams by identifying areas where the most value would be delivered to the City and its residents while supporting the local economy.

Although Stantec has the resources to administer much of the professional services outlined in the scope of this contract's scope of work in-house, we will continuously look for opportunities to include experienced and qualified small business enterprises during the life cycle of this project. The following provides an overview of the small business firms in our team.

AllBright Engineering, Inc. dba Snubbs Consulting, Inc. holds the following active certifications:
- CBE - Broward County
- DBE - Florida Department of Transportation

CONCORR Inc. holds the following active certifications:
- DBE - Florida Department of transportation

HR Engineering Services Inc. holds the following active certifications:
- DBE - Miami-Dade County
- MBE - State of Florida
- SBE-A&E - Miami-Dade County
- SBE-G&S - Miami-Dade County

Keith and Associates, Inc. holds the following active certifications:
- M/WBE - City of Orlando, City of Tampa,Osceola County, City of West Palm Beach, Greater Orlando Aviation Authority, and Broward Health

Radise International, LC holds a current certification from:
- DBE - Florida Department of Transportation

7.

Sub-consultants

The success of each of our projects is due to the team relationships that have evolved over the years working together. These firms have been selected based on their prior experience with the City on similar projects, their working relationships with Stantec, and their reputations for delivering quality work on time.

AllBright Engineering dba Snubbs (CBE/DBE) is a multidisciplinary consulting engineering firm specializing in roadway design, transportation planning, traffic engineering, lighting design, water resources, and wastewater disposal. In addition to being a Broward CBE, AllBright is also a certified SBE and DBE and proudly boasts several qualified graduate civil engineers, headed by registered Professional Engineers with more than 31 years of experience.

Bridge Diagnostics, Inc. provides load testing and refined load rating of bridges, emergency structural testing & monitoring, emergency NDT-E, deck condition assessment, steel weld and pin NDT, construction QC through advanced technology, and signature structure structural health monitoring. BDI's staff consist of civil and structural engineers, electrical and mechanical engineers, computer scientists, SPRAT-certified technicians, ASNT certified technicians, and appropriate support staff including in-house safety and human resources.

CONCORR, Inc. (DBE) was established in 1990 to serve the concrete materials and corrosion industry. They have designed all types of corrosion mitigation systems, including all types of cathodic protection systems. In the US, they have implemented Electrochemical Chloride Extraction (ECE) and provided QA/QC services during installation of and even installed impressed and galvanic cathodic protection systems. They have been involved in the maintenance and monitoring of all types of cathodic protection system, and have tested and evaluated the effectiveness of all kinds of cathodic protection systems, electrochemical chloride extraction, and corrosion inhibitors.

HDR is an architectural, engineering, and consulting firm. HDR's innovations on bridge lock design, LiDAR technology in bridge alignment, and simplified hydraulic motors for operating bridges are in the forefront of the industry. They are a leader in developing bridge safety features for pedestrian/bicycle and vehicle movements using such systems as thermal imaging and LiDAR to provide improved detection during bridge operations. HDR is currently assisting FDOT in developing standardized systems to improve safety by integrating their ITS experience and bringing it into the movable bridge field.

HR Engineering Services, Inc. (DBE/MBE/SBE) is disciplined in geotechnical engineering and construction inspection. HRES provides geotechnical services that include subsurface explorations, foundation evaluations and recommendations, and pavement evaluations and recommendations.

KEITH (M/WBE) is a 60 + year old, majority woman owned, transdisciplinary firm, based in Florida delivering a broad range of projects. Based in Florida KEITH has office locations in Miami-Dade, Broward, Palm Beach, St. Lucie, and Orange counties. KEITH provides surveying and mapping, subsurface utility engineering, planning, civil engineering, transportation engineering, landscape architecture, and construction management services. KEITH has collaborated with more than 75 local governments throughout Florida.

RADISE International, LC (DBE/SBE) is a geotechnical and materials engineering and testing firm servicing a broad spectrum of industries, and specializing in geotechnical engineering, construction materials testing, and inspection services for over 26 years. RADISE has extensive experience providing Geotechnical Engineering Services and Material Testing contracts with Broward, Palm Beach, and Miami Dade County to name a few.

Simpson Gumpertz & Heger (SGH) is committed to delivering holistic advice for the most complex challenges. SGH has engineers certified to the highest level by the Association for Materials Protection and Performance (AMPP) as Cathodic Protection Specialists.

8.

Required Forms

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 5/1/2025 4/25/2024

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

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

PRODUCER Lockton Companies 444 W. 47th Street, Suite 900 Kansas City MO 64112-1906 (816) 960-9000 kcasu@lockton.com	**CONTACT NAME:** **PHONE (A/C, No, Ext):** **FAX (A/C, No):** **E-MAIL ADDRESS:**
INSURED 1415077 STANTEC CONSULTING SERVICES INC. 410 17TH STREET SUITE 1400 DENVER CO 80202-4427 ~~GENERIC CERTIFICATE~~	**INSURER(S) AFFORDING COVERAGE** — **NAIC #** **INSURER A :** Travelers Property Casualty Company of America — 25674 **INSURER B :** Berkshire Hathaway Specialty Insurance Company — 22276 **INSURER C :** **INSURER D :** **INSURER E :** **INSURER F :**

COVERAGES **CERTIFICATE NUMBER:** 14193567 **REVISION NUMBER:** XXXXXXX

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
B	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE [X] OCCUR X CONTRACTUAL/CROSS X XCU COVERED GEN'L AGGREGATE LIMIT APPLIES PER: POLICY [X] PRO-JECT [X] LOC OTHER:	N	N	47 - GLO-307584	5/1/2024	5/1/2025	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 2,000,000 $ 1,000,000 $ 25,000 $ 2,000,000 $ 4,000,000 $ 2,000,000 $
A A	**AUTOMOBILE LIABILITY** X ANY AUTO OWNED AUTOS ONLY HIRED AUTOS ONLY SCHEDULED AUTOS NON-OWNED AUTOS ONLY	N	N	TC2J - CAP - 8E086819 (AOS) TJ - BAP - 8E086820	5/1/2024 5/1/2024	5/1/2025 5/1/2025	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ XXXXXXX $ XXXXXXX $ XXXXXXX $ XXXXXXX
B	X **UMBRELLA LIAB** [X] OCCUR **EXCESS LIAB** CLAIMS-MADE DED RETENTION $	N	N	47 - UMO-307585	5/1/2024	5/1/2025	EACH OCCURRENCE AGGREGATE	$ 5,000,000 $ 5,000,000 $ XXXXXXX
A A A	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? **(Mandatory in NH)** Y/N [N] N/A If yes, describe under DESCRIPTION OF OPERATIONS below		N	UB - 3P635310 (AOS) UB - 3P533004 (MA, WI) EXCEPT FOR OH ND WA WY	5/1/2024 5/1/2024	5/1/2025 5/1/2025	[X] PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
TO WHOM IT MAY CONCERN.

CERTIFICATE HOLDER

14193567
TO WHOM IT MAY CONCERN

CANCELLATION See Attachment

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

AUTHORIZED REPRESENTATIVE

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 10/1/2025 9/5/2024

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

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

PRODUCER	Lockton Companies, LLC 444 W. 47th Street, Suite 900 Kansas City MO 64112-1906 (816) 960-9000 kcasu@lockton.com	CONTACT NAME:	
		PHONE (A/C, No, Ext):	FAX (A/C, No):
		E-MAIL ADDRESS:	
		INSURER(S) AFFORDING COVERAGE	NAIC #
		INSURER A : Berkshire Hathaway Specialty Insurance Company	22276
INSURED 1414100	STANTEC CONSULTING SERVICES INC. 410 17TH STREET SUITE 1400 DENVER CO 80202-4427 SCSI GENERIC - $3M	INSURER B : AIG Specialty Insurance Company	26883
		INSURER C :	
		INSURER D :	
		INSURER E :	
		INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** 14181323 **REVISION NUMBER:** XXXXXXX

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY			NOT APPLICABLE			EACH OCCURRENCE	$ XXXXXXX
	☐ CLAIMS-MADE ☐ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ XXXXXXX
							MED EXP (Any one person)	$ XXXXXXX
							PERSONAL & ADV INJURY	$ XXXXXXX
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ XXXXXXX
	☐ POLICY ☐ PRO-JECT ☐ LOC						PRODUCTS - COMP/OP AGG	$ XXXXXXX
	☐ OTHER:							$
	AUTOMOBILE LIABILITY			NOT APPLICABLE			COMBINED SINGLE LIMIT (Ea accident)	$ XXXXXXX
	☐ ANY AUTO						BODILY INJURY (Per person)	$ XXXXXXX
	☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$ XXXXXXX
	☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$ XXXXXXX
								$ XXXXXXX
	UMBRELLA LIAB ☐ OCCUR			NOT APPLICABLE			EACH OCCURRENCE	$ XXXXXXX
	EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$ XXXXXXX
	☐ DED ☐ RETENTION $							$ XXXXXXX
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N			NOT APPLICABLE			☐ PER STATUTE ☐ OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐	N / A					E.L. EACH ACCIDENT	$ XXXXXXX
	(Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ XXXXXXX
							E.L. DISEASE - POLICY LIMIT	$ XXXXXXX
A	Professional Liab	N	N	47-EPP-308810	10/1/2024	10/1/2025	$3,000,000 PER CLAIM/AGG	
A				NO RETROACTIVE DATE			INCLUSIVE OF COSTS	
B	Contractors Pollution Liab			CPO8085428	10/1/2023	10/1/2025	$3,000,000 PER LOSS/AGG	

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

CERTIFICATE HOLDER

14181323
TO WHOM IT MAY CONCERN

CANCELLATION

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

AUTHORIZED REPRESENTATIVE

LOCAL BUSINESS PREFERENCE

Section 2-199.2, Code of Ordinances of the City of Fort Lauderdale, (Ordinance No. C-12-04), provides for a local business preference.

In order to be considered for a local business preference, a bidder must include the Local Business Preference Certification Statement of this ITB, as applicable to the local business preference class claimed **at the time of bid submittal.**

> Upon formal request of the City, based on the application of a Local Business Preference the Bidder shall, within ten (10) calendar days, submit the following documentation to the Local Business Preference Class claimed:

A) Copy of City of Fort Lauderdale current year business tax receipt, **or** Broward County current year business tax receipt, **and**

B) List of the names of all employees of the bidder and evidence of employees' residence within the geographic bounds of the City of Fort Lauderdale or Broward County, as the case may be, such as current Florida driver license, residential utility bill (water, electric, telephone, cable television), or other type of similar documentation acceptable to the City.

Failure to comply at time of bid submittal shall result in the bidder being found ineligible for the local business preference.

THE COMPLETE LOCAL BUSINESS PREFERENCE ORDINANCE MAY BE FOUND ON THE CITY'S WEB SITE AT THE FOLLOWING LINK:
https://library.municode.com/fl/fort_lauderdale/codes/code_of_ordinances?nodeId=COOR_CH2AD_ARTVFI_DIV2PR_S2-186LOBUPR

Definitions: The term "Business" shall mean a person, firm, corporation or other business entity which is duly licensed and authorized to engage in a particular work in the State of Florida. Business shall be broken down into four (4) types of classes:

1. Class A Business – shall mean any Business that has established and agrees to maintain a permanent place of business located in a non-residential zone and staffed with full-time employees within the limits of the City **and** shall maintain a staffing level of the prime contractor for the proposed work of at least fifty percent (50%) who are residents of the City.

2. Class B Business - shall mean any Business that has established and agrees to maintain a permanent place of business located in a non-residential zone and staffed with full-time employees within the limits of the City **or** shall maintain a staffing level of the prime contractor for the proposed work of at least fifty percent (50%) who are residents of the City.

3. Class C Business - shall mean any Business that has established and agrees to maintain a permanent place of business located in a non-residential zone **and** staffed with full-time employees within the limits of Broward County.

4. Class D Business – shall mean any Business that does not qualify as either a Class A, Class B, or Class C business.

LOCAL BUSINESS PREFERENCE CERTIFICATION STATEMENT

The Business identified below certifies that it qualifies for the local business price preference classification as indicated herein, and further certifies and agrees that it will re-affirm its local preference classification annually no later than thirty (30) calendar days prior to the anniversary of the date of a contract awarded pursuant to this ITB. Violation of the foregoing provision may result in contract termination.

(1) _____ is a **Class A** Business as defined in City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. A copy of the City of Fort Lauderdale current year Business Tax Receipt **and** a complete list of full-time employees and evidence of their addresses shall be provided within 10 calendar days of a formal request by the City.
Business Name

(2) _____ is a **Class B** Business as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. A copy of the Business Tax Receipt **or** a complete list of full-time employees and evidence of their addresses shall be provided within 10 calendar days of a formal request by the City.
Business Name

(3) Stantec Consulting Services Inc. is a **Class C** Business as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. A copy of the Broward County Business Tax Receipt shall be provided within 10 calendar days of a formal request by the City.
Business Name

(4) _____ requests a **Conditional Class A** classification as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. Written certification of intent shall be provided within 10 calendar days of a formal request by the City.
Business Name

(5) Stantec Consulting Services Inc. requests a **Conditional Class B** classification as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186. Written certification of intent shall be provided within 10 calendar days of a formal request by the City.
Business Name

(6) _____ is considered a **Class D** Business as defined in the City of Fort Lauderdale Ordinance No. C-17-26, Sec.2-186 and does not qualify for Local Preference consideration.
Business Name

BIDDER'S COMPANY: Stantec Consulting Services Inc.

AUTHORIZED COMPANY PERSON: Ramon Castella PE, ENV SP, LEE AP (PRINT NAME)  (SIGNATURE) 05/22/2025 (DATE)

Forms Non-ISO Revision 09-2022

DISADVANTAGED BUSINESS ENTERPRISE (DBE) PREFERENCE

Section 2-185, Code of Ordinances of the City of Fort Lauderdale, provides for a disadvantaged business preference.

In order to be considered for a DBE Preference, a bidder must include a certification from a government agency, as applicable to the DBE Preference class claimed **at the time of bid submittal**.

Upon formal request of the City, based on the application of a DBE Preference the Bidder shall, within ten (10) calendar days, submit the following documentation to the DBE Class claimed:

A) Copy of City of Fort Lauderdale current year business tax receipt, **or** Broward County current year business tax receipt, **or** State of Florida active registration **and/or**

B) List of the names of all employees of the bidder and evidence of employees' residence within the geographic bounds of the City of Fort Lauderdale or Broward County, as the case may be, such as current Florida driver license, residential utility bill (water, electric, telephone, cable television), or other type of similar documentation acceptable to the City.

Failure to comply at time of bid submittal shall result in the bidder being found ineligible for the disadvantaged business preference.

THE COMPLETE DBE PREFERENCE ORDINANCE MAY BE FOUND ON THE CITY'S WEB SITE AT THE FOLLOWING LINK: https://www.fortlauderdale.gov/home/showpublisheddocument?id=56883

Definitions

a. The term "disadvantaged class 1 enterprise" shall mean any disadvantaged business enterprise that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the city, and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.

b. The term "disadvantaged class 2 enterprise" shall mean any disadvantaged business enterprise that has established and agrees to maintain a permanent place of business within the limits of the city with a full-time employees and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.

c. The term "disadvantaged class 3 enterprise" shall mean any disadvantaged business enterprise that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the Tri-County area and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.

d. The term "disadvantaged class 4 enterprise" shall mean any disadvantaged business enterprise that does not qualify as a Class A, Class B, or Class C business, but is located in the State of Florida and provides supporting documentation of its disadvantaged certification as established in the City's Procurement Manual.

DISADVANTAGED BUSINESS ENTERPRISE CERTIFICATION STATEMENT

The Business identified below certifies that it qualifies for the disadvantaged business enterprise price preference classification as indicated herein, and further certifies and agrees that it will re-affirm its preference classification annually no later than thirty (30) calendar days prior to the anniversary of the date of a contract awarded pursuant to this solicitation. Violation of the foregoing provision may result in contract termination.

(1) _____ is a disadvantaged class 1 enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the city, and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.

Business Name

(2) _____ is a disadvantaged class 2 enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business within the limits of the city with a full-time employee(s) and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.

Business Name

(3) Stantec Consulting Services Inc. is a disadvantaged class 3 enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that has established and agrees to maintain a permanent place of business located in a non-residential zone, staffed with full-time employees within the limits of the Tri-County area and provides supporting documentation of its City of Fort Lauderdale business tax and disadvantaged certification as established in the City's Procurement Manual.

Business Name

(4) _____ is a disadvantaged class 4 enterprise as defined in the City of Fort Lauderdale Ordinance Section 2-185 disadvantaged business enterprise that does not qualify as a Class A, Class B, or Class C business, but is located in the State of Florida and provides supporting documentation of its disadvantaged certification as established in the City's Procurement Manual.

Business Name

(5) Stantec Consulting Services Inc. is not considered a Disadvantaged Enterprise Business as defined in the City of Fort Lauderdale Ordinance Sec.2-185 and does not qualify for DBE Preference consideration.

Business Name

BIDDER'S COMPANY: Stantec Consulting Services Inc.

AUTHORIZED COMPANY PERSON: Ramon Castella PE, ENV SP, LEE AP _____ 05/22/2025

PRINT NAME SIGNATURE DATE

Forms Non-ISO Revision 09-2022

NON-COLLUSION STATEMENT

By signing this offer, the vendor/contractor certifies that this offer is made independently and *free* from collusion. Vendor shall disclose below any City of Fort Lauderdale, FL officer or employee, or any relative of any such officer or employee who is an officer or director of, or has a material interest in, the vendor's business, who is in a position to influence this procurement.

Any City of Fort Lauderdale, FL officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement.

For purposes hereof, a person has a material interest if they directly or indirectly own more than 5 percent of the total assets or capital stock of any business entity, or if they otherwise stand to personally gain if the contract is awarded to this vendor.

In accordance with City of Fort Lauderdale, FL Policy and Standards Manual, 6.10.8.3,

> 3.3. City employees may not contract with the City through any corporation or business entity in which they or their immediate family members hold a controlling financial interest (e.g., ownership of five (5) percent or more).
>
> 3.4. Immediate family members (spouse, parents, and children) are also prohibited from contracting with the City subject to the same general rules.

Failure of a vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the City Procurement Code.

NAME	RELATIONSHIPS
_____	_____
_____	_____
	_____
	_____

In the event the vendor does not indicate any names, the City shall interpret this to mean that the vendor has indicated that no such relationships exist.

Authorized Signature

Vice President

Title

Ramon Castella PE, ENV SP, LEED AP

Name (Printed)

05/22/2025

Date

Rev 09-2022

CONTRACTOR'S CERTIFICATE OF COMPLIANCE WITH NON-DISCRIMINATION PROVISIONS OF THE CONTRACT

The completed and signed form should be returned with the Contractor's submittal. If not provided with submittal, the Contractor must submit within three business days of City's request. Contractor may be deemed non-responsive for failure to fully comply within stated timeframes.

Pursuant to City Ordinance Sec. 2-17(a)(i)(ii), bidders must certify compliance with the Non-Discrimination provision of the ordinance.

A. Contractors doing business with the City shall not discriminate against their employees based on the employee's race, color, religion, gender (including identity or expression), marital status, sexual orientation, national origin, age, disability, or any other protected classification as defined by applicable law.

   Contracts. Every Contract exceeding $100,000, or otherwise exempt from this section shall contain language that obligates the Contractor to comply with the applicable provisions of this section.

   The Contract shall include provisions for the following:

   (i) The Contractor certifies and represents that it will comply with this section during the entire term of the contract.

   (ii) The failure of the Contractor to comply with this section shall be deemed to be a material breach of the contract, entitling the City to pursue any remedy stated below or any remedy provided under applicable law.

Authorized Signature

Ramon Castella PE, ENV SP, LEE AP - Vice President

Print Name and Title

05/22/2025

Date

E-VERIFY AFFIRMATION STATEMENT

Solicitation/Bid /Contract No: Structural Engineering Services Contract/449

Project Description:

This engineering services will cover structural services for bridges, seawalls building, construction, engineering, Inspections (CEI), grant applications, design oversight, and Staff Augmentation

Contractor/Proposer/Bidder acknowledges and agrees to utilize the U.S. Department of Homeland Security's E-Verify System to verify the employment eligibility of,

A. all persons employed by Contractor/Proposer/Bidder to perform employment duties within Florida during the term of the Contract, and,

B. all persons (including subcontractors/vendors) assigned by Contractor/Proposer/Bidder to perform work pursuant to the Contract.

The Contractor/Proposer/Bidder acknowledges and agrees that use of the U.S. Department of Homeland Security's E-Verify System during the term of the Contract is a condition of the Contract.

Contractor/Proposer/ Bidder Company Name: Stantec Consulting Services Inc.

Authorized Company Person's Signature: 

Authorized Company Person's Title: Vice President

Date: 05/22/2025

CONTRACT PAYMENT METHOD

The City of Fort Lauderdale has implemented a Procurement Card (P-Card) program which changes how payments are remitted to its vendors. The City has transitioned from traditional paper checks to credit card payments via MasterCard or Visa as part of this program.

This allows you as a vendor of the City of Fort Lauderdale to receive your payments fast and safely. No more waiting for checks to be printed and mailed.

In accordance with the contract, payments on this contract will be made utilizing the City's P-Card (MasterCard or Visa). Accordingly, bidders must presently have the ability to accept the credit card or take whatever steps necessary to implement acceptance of a card before the start of the contract term, or contract award by the City.

All costs associated with the Contractor's participation in this purchasing program shall be borne by the Contractor. The City reserves the right to revise this program as necessary.

By signing below, you agree with these terms.

Please indicate which credit card payment you prefer:

✓ MasterCard

____ Visa

Stantec Consulting Services Inc.

Company Name

Mary Zeedyk

Name (Printed)

Zeedyk, Mary Digitally signed by Zeedyk, Mary Date: 2025.05.08 15:46:41 -04'00'

Signature

Controller

Title

5/8/25

Date

Rev. 09/2022_lp

AFFIDAVIT OF COMPLIANCE WITH FOREIGN ENTITY LAWS
(Florida Statute- §287.138, 692.201, 692.202, 692.203, and 692.204)

The undersigned, on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Entity is not owned by the government of a foreign country of concern as defined in Section 287.138, Florida Statutes. (Source:§ 287.138(2)(a), Florida Statutes)
2. The government of a foreign country of concern does not have a controlling interest in Entity. (Source:§ 287.138(2)(b), Florida Statutes)
3. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern. (Source: § 287.138(2)(c), Florida Statutes)
4. Entity is not owned or controlled by the government of a foreign country of concern, as defined in Section 692.201, Florida Statutes. (Source:§ 288.007(2), Florida Statutes)
5. Entity is not a partnership, association, corporation, organization, or other combination of persons organized under the laws of or having its principal place of business in a foreign country of concern, as defined in Section 692.201, Florida Statutes, or a subsidiary of such entity. (Source: § 288.007(2), Florida Statutes)
6. Entity is not a foreign principal, as defined in Section 692.201, Florida Statutes. (Source: § 692.202(5)(a)(l), Florida Statutes)
7. Entity is in compliance with all applicable requirements of Sections 692.202, 692.203, and 692.204, Florida Statutes.
8. ***(Only applicable if purchasing real property)*** Entity is not a foreign principal prohibited from purchasing the subject real property. Entity is either (a) not a person or entity described in Section 692.204(1)(a), Florida Statutes, or (b) authorized under Section 692.204(2), Florida Statutes, to purchase the subject property. Entity is in compliance with the requirements of Section 692.204, Florida Statutes. (Source:§§ 692.203(6)(a), 692.204(6)(a), Florida Statutes)

The undersigned is authorized to execute this affidavit on behalf of Entity.

Name: Ramon Castella PE, ENV SP, LEE AP Title: Vice President Entity: Stantec Consulting Services Inc.

Signature:  Date: 05/22/2025

NOTARY PUBLIC ACKNOWEDGEMENT SECTION

STATE OF Florida

COUTY OF Miami - Dade

The foregoing instrument was acknowledged before me, by means of ■ physical presence or □ online notarization, this 22 day of May 20 __, by Ramon Castella PE, ENV SP, LEE AP, as _____ for Stantec Consulting Services Inc., who is personally known to me or who has produced personally known as identification.

Notary Public Signature:  (Notary Seal) 

Print Name: Ramon Castella PE, ENV SP, LEE AP My commission expires: March 19, 2027

CITY OF FORT LAUDERDALE

ANTI-HUMAN TRAFFICKING AFFIDAVIT

Rev Date: 01/13/2025

The undersigned, on behalf of Stantec Consulting Services Inc.,
(Print complete name incorporated with suffix: INC, LLC, LTD, LP, PA, etc.)
a Florida (*State corporation is registered*) Profit (Type of entity: profit or non-profit), ("Nongovernmental Entity"), under penalty of perjury, hereby deposes and says:

1. My name is Ramon Castella PE, ENV SP, LEED AP.
(Print complete name of corporate officer/authorized representative)
2. I am an ☑ officer or ☐ authorized representative (Select one) of the Nongovernmental Entity. My title is: Vice President.
(Print title of corporate officer/authorized representative)
3. I attest that the Nongovernmental Entity does not use coercion for labor or services as defined in Section 787.06, Florida Statutes (2024), as may be amended or revised.

Under penalties of perjury, I declare that I have read the foregoing Anti-Human Trafficking Affidavit and that the facts stated in it are true.

Signature of Officer or Representative: _____

Office Address: 800 Fairway Drive Suite 195 Deerfield Beach, FL 33441

Email Address: ramon.castella@stantec.com

Main Phone Number: (786) 437-6265 FEIN No.: 11-2167170

STATE OF Florida
COUNTY OF Miami-Dade

Sworn to and subscribed before me by means of ❑ physical presence or ❑ online notarization, this 27 day of March, 2025, by Ramon Castella PE, ENV SP, LEED AP.
(Print name of corporate officer/representative)

(NOTARY SEAL)

NICOLLE N. MARTINEZ
Notary Public-State of Florida
Commission # HH 365077
My Commission Expires
March 19, 2027

_____
(Signature of Notary Public – State of Florida)

Nicolle Martinez
Print, Type or Stamp Commissioned Name of Notary Public)

Personally Known ☑ OR Produced Identification ☐

Type of Identification Produced_____

CITY OF FORT LAUDERDALE BID/PROPOSAL CERTIFICATION

Please Note: It is the sole responsibility of the bidder/proposer to ensure that their response is submitted electronically through the City's on-line strategic sourcing platform prior to the bid opening date and time listed. Paper bid submittals will not be accepted. All fields below must be completed. If the field does not apply to you, please note N/A in that field.

If you are a foreign corporation, you may be required to obtain a certificate of authority from the department of state, in accordance with Florida Statute §607.1501 (visit http://www.dos.state.fl.us/).

Company: (Legal Registration) Stantec Consulting Services Inc. EIN (Optional): 11-2167170

Address: 800 Fairway Drive, Suite 195

City: Deerfield Beach State: FL Zip: 33441

Telephone No.: 954.481.2812 FAX No.: 954.481.2818 Email: mohit.soni@stantec.com

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Delivery: Calendar days after receipt of Purchase Order **(section 1.02 of General Conditions)**: _____

Total Bid Discount **(section 1.05 of General Conditions)**: _____

Check box if your firm qualifies for DBE **(section 1.09 of General Conditions)**: ❑

ADDENDUM ACKNOWLEDGEMENT - Proposer acknowledges that the following addenda have been received and are included in the proposal:

Addendum No.	Date Issued	Addendum No.	Date Issued	Addendum No.	Date Issued	Addendum No.	Date Issued

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VARIANCES: If you take exception or have variances to any term, condition, specification, scope of service, or requirement in this competitive solicitation you must specify such exception or variance in the space provided below or reference in the space provided below all variances contained on other pages within your response. Additional pages may be attached if necessary. No exceptions or variances will be deemed to be part of the response submitted unless such is listed and contained in the space provided below. The City does not, by virtue of submitting a variance, necessarily accept any variances. If no statement is contained in the below space, it is hereby implied that your response is in full compliance with this competitive solicitation. If you do not have variances, simply mark N/A.

The below signatory hereby agrees to furnish the following article(s) or services at the price(s) and terms stated subject to all instructions, conditions, specifications addenda, legal advertisement, and conditions contained in the bid/proposal. I have read all attachments including the specifications and fully understand what is required. By submitting this signed proposal, I will accept a contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this bid/proposal. The below signatory also hereby agrees, by virtue of submitting or attempting to submit a response, that in no event shall the City's liability for respondent's direct, indirect, incidental, consequential, special or exemplary damages, expenses, or lost profits arising out of this competitive solicitation process, including but not limited to public advertisement, bid conferences, site visits, evaluations, oral presentations, or award proceedings exceed the amount of Five Hundred Dollars ($500.00). This limitation shall not apply to claims arising under any provision of indemnification or the City's protest ordinance contained in this competitive solicitation.

Submitted by:

Ramon Castella PE, ENV SP, LEED AP
Name (printed)


Signature

05/22/2025
Date

Vice President
Title

revised 09-2022

City of Ft. Lauderdale

QUESTIONNAIRE SHEET

PLEASE PRINT OR TYPE:

Firm Name: Stantec Consulting Services Inc.
President: Gordon A. Johnston
Business Address:
800 Fairway Drive, Suite 195
Deerfield Beach, FL 33441

Telephone: (954) 846-0401 Fax: (561) 487-3466

E-Mail Address: mohit.soni@stantec.com

What was the last project of this nature which you completed? Include the year, description, and contract value.

Please see Section 2 of our submittal for project experience similar in nature.

The following are named as three corporations and representatives of those corporations for which you have performed work similar to that required by this contract, and which the City may contact as your references (include addresses, telephone numbers and e-mail addresses). Include the project name, year, description, and contract value.

Please see Section 5 of our submittal for references.

How many years has your organization been in business?

Since 1954 (71 Years)

Have you ever failed to complete work awarded to you; if so, where and why?

Stantec performs work on thousands of discrete projects annually. All but a very few of these projects are completed successfully. Occasionally, issues arise on a project that prevents Stantec from completing an assignment. Such issues include failure of the client to secure or maintain financing; failure of the client to pay consultant invoices; and disagreements over scope of work. Stantec takes great pride in and places a high value on its long-term ongoing relationships with its clients. This is evident by the fact that the majority of our clients are repeat customers. Where issues arise on a project, Stantec makes every commercially reasonable effort to resolve matters in dispute amicably in the mutual interests of the client and Stantec. This serves both Stantec and our clients well.

The name of the qualifying agent for the firm and his positions is:
Adriana Jaegerman, PE, Senior Vice President

Certificate of Competency Number of Qualifying Agent: 7428

Effective Date: 01/29/2011
Licensed in: State of Florida

Expiration Date: 02/28/2027
Engineering Contractor's License #27013
Expiration Date: N/A

NOTE: To be considered for award of this contract, the bidder must submit a financial statement upon request.

NOTE: Contractor must have proper licensing and shall provide copy of same with his proposal.

QUESTIONNAIRE SHEET

1. Have you personally inspected the proposed work and have you a complete plan for its performance?

Yes

2. Will you sublet any part of this work? If so, list the portions or specialties of the work that you will.

a. Bridge Hydraulics
b. Non-Destructive Testing and Evaluation
c. Cathodic Protection
d. Moveable Bridges
e. Geotechnical Services
f. Survey/SUE
g. Geotechnical Engineering
h. Cathodic Protection

3. What equipment do you own that is available for the work?

At this time as prime consultant we do not anticipate using any equipment for this pursuit. Please see list below from our subconsultants.

All Bright Engineering DBA Snubbs Consulting Inc. - AllBright Engineering Offices have a comprehensive range of computers and software necessary for the proposed work.

CONCORR, Inc. - One Ford E150 and one F150, A boat, aluminum hull 24 feet long for bridge evaluation work, Several generators, GSSI Portable Ground penetrating radar, Hilti Coring and Water Management systems, Numerous rotary hammer drills and other tools, Automated Half-cell potential measurement equipment from Proceq, Several Fluke multimeters and oscilloscope, A borescop, Scaffoldings for access, Safety equipment, Titration equipment, Sampling equipment, Pulverizing equipment, Laboratory Oven, Fume Hood, Rapid chloride permeability test equipment, Weighing scales, and Chem lab equipment for sample processing.

Craig A. Smith & Associates - CAS has extensive experience in SUE and employs the latest state-of-the-art technologies. In addition to traditional methods of utility locating such as vacuum excavation (potholing), electromagnetic (EM) induction for toneable utilities, and 2-D Ground Penetrating Radar (GPR), CAS can utilize a proprietary patented scanning technology known as 3-D Radar Tomography for subsurface utility investigations.

HDR Inc.- Computers, software, measuring devices, safety equipment

Radise International LC - Drill rigs, lab equipment, and fleet trucks.

Keith and Associates - Standard conventional land surveying equipment, terrestrial scanning instruments, bathymetric survey LiDAR equipment (single beam sonar mounted to john boat or Hydro-drone).

4. What equipment will you purchase for the proposed work?

None

5. What equipment will you rent for the proposed work?

At this time as prime consultant we do not anticipate renting any equipment for this pursuit. Please see list below from our subconsultants.

Radise International LC - Barge Drilling

All references shall include owner, address, contact name, phone number, email and the contract value. References shall not include the City of Fort Lauderdale. A minimum of three (3) references shall be provided. Refer to Section 2.8 Minimum Qualifications.

Note: Do not include proposed team members or parent/subsidiary companies as references in your submittals.

A. PROPOSERS NAME: Stantec Consulting Services Inc.

SPECIFIC EXPERIENCE NO.1

Name of firm to be contacted: Florida Department of Transportation District 3

Address: 1074 Highway 90 Chipley, FL 32428

Contact Person: Steven Fisher, PE

Phone No: (850) 330-1652

Contact E-Mail Address: steven.fisher@dot.state.fl.us

Project Performance Period: _____2010_____ to On-going

Dates should be in mm/yy format

Project Name: Districtwide Miscellaneous Minor Bridge Repair Design

Location of Project: Various Counties, FL

Description of the overall scope: Under this districtwide miscellaneous minor bridge repair design consultant services (on-call based contract) our tasks included expansion joints replacement, coatings assessment, repainting the superstructure girder system and bearings, bridge painting, and deck crack sealing, approach slab replacement, bearing pad replacement, submerged bridge piles removal, monitoring the contractor on the destructive testing required for the PT grout investigation and grout sampling, stabilization of bridge abutment, bent cap repairs and modification, replacing expansion joints, and load rating of the bridges. Additional general scope of work involves the preparation of contract documents, including plans, specifications, supporting engineering analysis, calculations and other technical documents including structural repairs; load ratings; hydraulic & scour analysis; survey; geotechnical; roadway, S&PM, drainage and TTCP; utilities; public involvement; environmental permitting; long-range estimates; cost estimates; field reviews, QA/QC; and peer review, to name a few.

Description of work that was self-performed by proposer: TWO 2; 427413-1-52-01. Bridge painting of all structural steel on bridge numbers 550039 and 550064. Bridges are located on S.R. 20 (US 27) over Franklin Boulevard in Leon County.; TWO 3; 423591-1-52-01. Sealing bridge deck cracking and replacing expansion joints on bridge numbers 580167 and 580168. Bridges are located on S.R. 8 (I-10) over the Blackwater River in Santa Rosa County; TWO 4; 423591-2-52-01. Bridge painting of all structural steel on bridge numbers 580167 and 580168. Bridges are located on S.R. 8 (I-10) over the Blackwater River in Santa Rosa County.; TWO 5; 420156-2-52-01. Bridge painting of all structural steel on bridge number 550001. Bridge is located on S.R. 366 (Pensacola Street)

over the CSX Railroad in Leon County.;TWO 8; 417683-1-52-01. Bearing pad replacement of all bearing pads on bridge number 570054. This bridge is located on S.R. 30 (US 98) over East Pass in Okaloosa County.; TWO 9; 425438-2-52-01. Bridge painting of all structural steel on bridge number 490031. This bridge is located on S.R. 30 (US 98) over the Apalachicola River in Franklin County.; TWO 10; 421889-1-52-01. Sealing cracks in all pier footings on bridge number 600105. This bridge is located on S.R. 20 over the Choctawhatchee River in Walton County.; TWO 15; 431242-1-52-01. Placing gabion matts around channel bottom near peers for scour protection at bridge number 530910. This bridge is located on S.R. 75 (US 231) in Jackson County.; TWO 16; 415575-2-52-01. Bridge painting of all structural steel on bridge number 480118. This bridge is located on S.R. 292 (Gulf Beach Highway) over the ICWW in Escambia County.; TWO 17; 409485-3-52-01. Approach slab replacement on bridge number 540050. This bridge is located on S.R. 8 (I-10) in Jefferson County.; TWO 18; 415580-2-52-01. Approach slab replacement on bridge numbers 570066 and 57091. These bridges are located on S.R. 8 (I-10) in Okaloosa County.; TWO 19; 423577-2-52-1. Bridge deck sealing of crack on bridge number 470029. This bridge is located on S.R. 20 over the Apalachicola River in Calhoun County.; TWO 20; 220396-2-52-01. Bent cap repair and modification of bridge number 580066. This bridge is located on S.R. 10 (US 90) over Pond Creek in Santa Rosa County.; TWO 21; 430906-2-52-01. Embankment regarding stabilization of bridge abutment slopes on bridge number 550011. This bridge is located on S.R. 265 (Magnolia Avenue) over CSXT RR in Leon County.; TWO 25; 432415-1-52-01. PT grout investigation on bridge numbers 480213 and 480214. These bridges are located on S.R. 8 (I-10) over Escambia Bay in Escambia County.; TWO 26; 432415-2-52-01. PT grout investigation on bridge number 490100. This bridge is located on S.R. 300 over Apalachicola Bay to St. George's Island in Franklin County. TWO 27; 432415-3-52-01. PT grout investigation on bridge number 460128. This bridge is located on S.R. 79 over the ICWW in West Bay. TWO 28; 432415-4-52-01. PT Grout Investigation on bridge number 480197. This bridge is located on S.R. 10 (US 90) over the Escambia River in Escambia County. TWO 29; 432415-5-52-01. PT grout investigation on bridge numbers 460112 and 460113. These bridges are located on S.R. 30 (US 98) over St. Andrews Bay in Bay Coun

Original Project Budget: $250,000.00 Project Final Cost: $30,000 (actual to date)

SPECIFIC EXPERIENCE NO. 2

Name of firm to be contacted: Florida Department of Transportation District 2

Address: 1109 South Marion Ave. Lake City, FL 32025

Contact Person: Jason Stalnaker, CPM

Phone No: (386) 961-7011

Contact E-Mail Address: Jason.Stalnaker@dot.state.fl.us

Project Performance Period: _____2014__ to 2023

Dates should be in mm/yy format

Project Name: Various Duval County Bridge Repair Design

Location of Project: Various Counties, FL

Description of the overall scope: Contract No. C9C99 included bridge painting, spall repair, fender repair, navigational lights, expansion joints replacement, bearing pad replacement involving five bridges in Duval County

Description of work that was self-performed by proposer: MOT, Drainage, and Structures Design

Original Project Budget: $3,000,000.00 Project Final Cost: $3,000,000.00

SPECIFIC EXPERIENCE NO.3

Name of firm to be contacted: Florida Department of Transportation District 4

Address: 3400 W. Commercial Blvd., Ft. Laud., FL 33309

Contact Person: Kenzot Jasmin, PE

Phone No: (954) 934-1170

Contact E-Mail Address: kenzot.jasmin@dot.state.fl.us

Project Performance Period: _____ 2018_____ to 2020

Dates should be in mm/yy format

Project Name: Districtwide Minor Design

Location of Project: Broward, Palm Beach, Martin, St. Lucie & Indian River Counties, FL

Description of the overall scope: This contract includes a wide variety of services such as: roadway; drainage; miscellaneous structures; traffic; ITS; signing; pavement marking; lighting; signalization; survey & mapping; geotechnical; architecture; and landscape architecture, as well as in-house production support services. Stantec has successfully managed several conventional, Design-Build (DB), Districtwide (DW) Plans Review, DW PD&E, DW Utilities, DW Drainage, and DW

Environmental contracts with District 4. The main objective of this contract is to provide professional engineering services on a variety of design assignments through multiple and potentially simultaneous task work orders (TWOs) involving design and management services from the advertised work groups. The TWOs may include the design and preparation of a complete set of construction contract plans, component plans, conceptual plans, documents, special provisions, and incidental engineering services for minor projects including but not limited to 3R projects, widening/reconstruction projects, safety projects, access management modifications, intersection improvements, complete streets, ride only, off-system, ITS support, in-house production support, and other services that may include developing concept reports, 3D modeling, architecture, landscape architecture, and RFP Design Criteria on DB projects.

Description of work that was self-performed by proposer: Roadway reconstruction, drainage, TTCP, bridge design, drainage, S&PM, utility coordination, survey/SUE, permitting, and public involvement.

Original Project Budget: $1,500,000.00 Project Final Cost: $1,500,000.00