

# Question Set 1: Tab 1 - Experience and Capabilities

## Question Set 1 Instructions

The relative experience and qualification of each applicant's proposed team, with respect to the project scope, will be judged and a relative rating assigned. This parameter expresses the general and specific project-related capability of the team and indicates the adequate depth and abilities of the organization which it can draw upon as needed. This will include management, technical, and support staff.

#	Question	Response	Comment
1.0.1	Explain your firm's interest in working on this project, a positive commitment to perform the required work and a description of the firm.	-	<p>CTS Engineering, Inc. is extremely committed to serving the City of Pembroke Pines (City) and is prepared to meet the challenges of this contract. We offer a profoundly qualified group of local civil, environmental, transportation, architectural, and infrastructure specialists that can provide direct and excellent professional services to the City.</p> <p>Founded in the City of Doral 14 years ago and now headquartered in Fort Lauderdale, CTS has successfully assisted South Florida and local partners with traffic, planning, and construction services – engineering and designing better solutions for our communities. As CTS continues to expand, an unwavering mission remains the company's solid guiding compass: To contribute to a sustainable future that incorporates the priorities of our communities and unites professionals through impactful work. It is our duty to design, study, and maintain environmentally responsible, socially equitable, and economically viable infrastructure. In setting these standards, CTS is determined to contribute to a more sustainable and resilient future for all. We are responsible for creating the bridge between science and our communities. In this role, CTS actively works with the communities served and affected to effectively address the challenges of sustainable and reliable development. Our experts wholeheartedly believe it's a mission CTS can accomplish, and together, we can work towards creating this future today.</p>
1.0.2	Describe the size of your firm.	-	<p>Now in 6 locations across the state of Florida, CTS is made up of a talented, interconnected group of professionals that want to generate positive change in the industry. CTS has 50+ professionals working in the County, while our outstanding services cover the entire state.</p>
1.0.3	Describe your firm's financial history, strength and stability.	-	<p>CTS Engineering, Inc. established its roots in South Florida back in 2010 and has experienced tremendous, stable growth ever since. CTS is a Disadvantaged Business Enterprise that has grown from a single office with a handful of employees to six offices throughout Florida, employing over 100+ qualified personnel, including a new office in Atlanta. We have expanded our services equally and have invested in state-of-the-art software, equipment, and facilities to keep our workforce at the leading edge of efficient production practices. By delivering quality work, on time, and within budget, CTS has become a trusted resource for our clients which translates into a consistent workload with repeat clients, resulting in sustainable growth. This growth is a testament to CTS's financial strength and stability.</p>
1.0.4	Describe your firm's range of activities.	-	<p>CTS provides an array of services to its clients, including full transportation multimodal design, feasibility studies, traffic engineering, site development, planning, surveying, subsurface utility engineering, geographic information systems, advanced technology support, data collection, statistical analysis, NEPA and PD&amp;E studies, Transportation Demand Management (TDM), multimodal improvements, economic analysis, market analysis, and return-on-investment management.</p> <p>Our working relationships encompass agencies like Broward County Transportation Department, Broward County MPO, neighborhood municipalities, and stakeholders, such as the Florida Department of Transportation (FDOT), South Florida Water Management District, and federal agencies.</p>
1.0.5	Describe the specialized experience and technical competence of the firm or persons with respect to working on similar projects	-	<p>Our proposed Project Manager and Primary Point of Contact, Michael Meendez, P.E., has 25 years of diverse experience in the planning, design, construction, and maintenance of transportation and civil projects of varying scale. Michael started his career in Broward County, initially spending 6+ years with the Florida Department of Transportation (FDOT) where he completed the Professional Engineer Training Program, then specializing in Design. While with FDOT, he completed multiple projects as lead designer, preparing plans, specifications, and estimates, while also coordinating public involvement and handling post-design support during construction. For 5+ years, Michael was a senior manager with Broward County's Highway &amp; Bridge Maintenance Division (HBMD), further expanding his engineering and management capabilities. While with Broward County, he was a go-to person for managing a challenging \$8M capital construction project, asset management, emergency recovery operations, FEMA reporting, Surtax planning, GIS applications development, a green infrastructure grant project, and consultant management in addition to his supervisory role. While not working for government agencies, Michael has worked as a consulting engineer, built a practice, and was the founder of an engineering firm that became part of CTS Engineering. He maintains his technical proficiency to complement his years of project and team management experience. His relevant technical experience includes design for roadway, transit facilities, rail infrastructure, basic drainage, lighting, signing, pavement markings, maintenance of traffic, site developments, water distribution, sanitary sewer, and resiliency infrastructure. Other experience includes novel process development, stakeholder coordination, public involvement, program budgeting, cost estimating, CPM scheduling, construction management, utility coordination, traffic studies, permitting, plan review, asset management, and advanced Geographic Information System (GIS) applications development and</p>

1.0.6	Do you have a minimum of five (5) years of experience with projects in the HVHZ of South Florida per the Florida Building Code?	Yes	<p>CTS's Architectural Subconsultant, Saltz Michelson Architects (SMA), has served as the architect of record for numerous essential facilities, including Broward County's newest facility, the Nancy J. Cotterman Treatment Center (NJCC) and the City of Weston's new EOC building. SMA's expertise in projects requiring extreme wind risk assessment and analysis encompasses not only structural considerations to enhance building strength and flood elevations for added height, but also includes detailing windows, doors, roofs, and flashings to ensure the building envelope remains secure from the elements. SMA's hardening experience incorporates innovative solutions that enable facilities to remain operational throughout construction. Throughout the \$28M Memorial Regional Hospital hardening project, a high-security facility, operations continued seamlessly across its 19 construction phases while the entire hospital underwent encapsulation with a new exterior. Additionally, SMA served as the architects for the \$10M wind mitigation and renovation of Broward County's eight-story main library and covered pedestrian bridge, both of which remained operational throughout the duration of the project.</p>
1.0.7	The firm or person's must provide information on their proximity to and familiarity with the area in which the project is located.	-	<p>The professionals at CTS are exceedingly familiar with the needs, processes, and expectations of the City of Pembroke Pines as well as working with the county and state agencies for projects within Pembroke Pines. Our local presence and experience are our most important attributes. CTS can also provide in-house staff support as needed, with guaranteed availability and commitment to this contract. Our headquarters are located within 20 miles of Pembroke Pine's City Hall, ensuring that timely, open, efficient, and effective communication will occur between CTS and the City.</p> <p>CTS is proud of the services that we have provided to the Broward MPO (BMPO), Broward municipalities, and stakeholders, such as the Florida Department of Transportation (FDOT), Broward County, and federal agencies. Founded and headquartered in Broward County over 12 years ago, CTS has established full engineering services with a focus on transportation design and implementation for our local facilities. CTS has been successfully assisting South Florida local cities (e.g., City of Fort Lauderdale, City of Weston, City of Pembroke Pines, Town of Davie, City of Miramar, City of Sunrise, etc.), Broward County Public Works, Broward County Transit, FDOT Districts roadway design. CTS has 90+ professionals serving South Florida, and our outstanding services also cover the entire state of Florida. In the past five (5) years, we have managed 150+ on-call engineering and design service contracts similar in scope and performed Complete Streets design services for over 20 city and county intersections and roadways.</p>
1.0.8	Explain the availability and access to the firm's top level management personnel.	-	<p>Our proposed Project Manager (PM), Michael "Mike" Melendez, P.E., who has 25 years of design and management experience, including 5+ years working directly for the Broward County Highway and Bridge Maintenance Division of Public Works and 6+ years working for the FDOT Design Office, will be 100% available and accessible to the City of Pembroke Pines throughout the life of the contract. Danny Iglesias, P.E. (CTS), with close to 40 years of experience serving South Florida public agencies, will serve the City as the QA/QC Officer and will also be 100% available. Our PM will be supported by a talented pool of transportation professionals. As our principal-in-charge, Sheng "Sam" Yang, P.E., PTOE (CTS) will ensure that all proposed staff are a 100% committed and available for this contract.</p> <p>Accessibility to our top-level management will be made possible by our close proximity to the City, with immediate access made available through virtual meetings with the City within an hour's notice, and in-person meetings with one day's advanced notice.</p>
1.0.9	List any applicable qualifications, including education, experience, honors and awards received, and professional associations of which the firm and/or its personnel are members, which are not already listed on Standard Form 330.	-	<p>Sheng Yang, P.E. - Served FDOT and many other local governments, such as Miami-Dade County and TPO, Broward County and MPO, City of Fort Lauderdale, City of Boca Raton, and Palm Beach TPA.</p> <p>Danny Iglesias, P.E. - Certified over 30 Municipalities during his tenure as LAP Administrator. In addition to his engineering work, Mr. Iglesias was also one of the Founders of the City of Sunny Isles Beach, which he served on the Commission as an elected official from 1997 until 2007 where he termed out of office.</p> <p>Steve Hughes, P.E. - Previously Florida Department of Transportation (FDOT) District 4 as a Designer, Lead Engineer, and Assistant Section Leader for District 4 In-House Design. Mr. Hughes was also the District 4 CADD Graphical User Group and Roadway Technical Advisory Committee Leader. From 2013 to present, Mr. Hughes has served as the Project Manager, Senior Engineer, Engineer of Record (EOR), and Senior Utility Coordinator for a variety of the FDOT and County design, planning, and survey/SUE projects.</p> <p>Brent Lee Shue Ling, P.E. - Served as Assistant Section Leader for District 4 In-House Design Section Two, as well as District Pavement Design Engineer. Later joined District 4 Consultant Project Management Section Six and served as a Project Manager. In 2015, Mr. Lee Shue Ling became the Design Section Leader for District 4 In-House Design Section Two.</p> <p>Maria Overton, P.E. - Managed the FDOT Office of Environmental Management's Engineering Review and Analysis Section, as well as the Systems Management Section in the Systems Implementation Office, in the FDOT Central Office. Ms. Overton's experience also includes development of policies, guidance, and statewide training. She participated in Lane Repurposing Peer Exchanges with FHWA and local governments and is currently a member of the TRB Highway Capacity and Quality of Service Standing Committee.</p> <p>Yongqiang Wu, P.E. - Led the effort to update the Project Traffic Forecasting</p>
1.0.10	Identify which of the nine Professional Service Discipline(s) you are applying for: a. General Civil and Environmental Engineering Services, b. MEP Engineering Services, c. Geotechnical Services, d. Structural Engineering Services, e. Land Surveying Services, f. General Architectural Services, g. Landscape Architecture Services, h. Hydro-Geological Services, i. FDOT Roadway Engineering Services	-	<p>a. General Civil and Environmental Engineering Services, b. MEP Engineering Services, c. Geotechnical Services, d. Structural Engineering Services, e. Land Surveying Services, f. General Architectural Services, g. Landscape Architecture Services, h. Hydro-Geological Services, i. FDOT Roadway Engineering Services</p>

1.0.11	Provide evidence of knowledge and experience with Broward County and industry standards, specifications, design procedures and plans production pertaining to the following Professional Service Discipline(s) you are applying for.	-	<p>Our Team has successfully assisted South Florida local cities (e.g., City of Fort Lauderdale, City of Weston, City of Pembroke Pines, Town of Davie, City of Miramar, City of Sunrise, etc.), Broward County Public Works, Broward County Transit, FDOT Districts 4 and 6, and South Florida Regional Transit Authority (SFRTA). We have managed 100+ on-call engineering and design service projects through General Services contracts. Since its founding, CTS has worked with FDOT District 4 on over 50 contracts and hundreds of projects through every phase of development and implementation. CTS has been successfully assisting FDOT District 4 with task work order (TWO) -based design contracts; the Broward County Congestion Assessment; and corridor mobility enhancement, such as the transit multimodal and Complete Streets improvements for Pines/Hollywood Boulevard, Oakland Park Boulevard, Sunrise Boulevard, SR-7, Sample Road, and Broward Boulevard. CTS has also successfully assisted with various Broward County projects funded by SURTAX, including the Broward County Transit Consultant Services Contract (TWO-based) and Broadview Park Green Infrastructure Improvement Study. CTS is also providing engineering services to assess and prioritize Broward County-wide intersections improvements under SURTAX. Our team is well-versed in all industry standards and procedures to seamlessly assist the City of Pembroke Pines in any project or challenges that may arise.</p> <p>Arehna, our team's geotechnical firm, is currently serving Broward County through their Continuing Professional Services for CEI and Design Services, demonstrating a clear knowledge of required specifications and design procedures. ASA Consultants is currently serving as a subconsultant for roadway and structural engineering support for Broward County's General Engineering Contract. Chen Moore and Associates, providing civil and landscape architecture services, has completed numerous projects for local.</p>
1.0.12	What is your reputation compared to your peers in the market?	-	<p>Due to our prioritization on technology and data collection efforts, we are better able to develop innovative solutions that are not only creative, but implementable. As such, we maintain high standards for our data collection and management capabilities, closely monitoring progressive research efforts to provide informed, innovative, and effective solutions. CTS has firmly established itself as the go-to partner for state and local transportation agencies for services like traffic monitoring, spatial analytics, and TMS/WIM inspections and certifications. We have developed several programs, including the Treasure Coast Regional Household Survey Mobile App. Our experience further extends to using U.S. Census Bureau APIs to interface with the Census Data Portal to develop the annual Commuting Trends in Florida Special Report for the Forecasting and Trends Office.</p> <p>With an unparalleled data collection ability, CTS has the capacity to fulfill a span of data collection services. We are equipped with state-of-the-art traffic counters that can ensure accurate and thorough data collection. CTS owns 150+ ADR Counters, 100+ Metro Counters, 20 Wavetronix Smart Sensor (for non-intrusive freeway counts), 50+ Mitron MCS 3000 Counters, 50+ Jamar TMC Boards, 50+ GPS Units, and 50+ IP cameras.</p>
1.0.13	What is your reputation like among customers and how have you developed it?	-	<p>CTS works hard to develop and maintain trusted productive relationships with our clients, subconsultants, local governments, and the communities we serve. These relationships are built on a foundation of integrity and an emphasis on doing what we say we are going to do. Our reputation is built on our goal to guarantee creative, comprehensive, and cost-effective solutions to the community, while working diligently to meet our client's needs. We always deliver quality products within the promised schedule and budget – exemplified in our continuous working relationships with FDOT, Broward County, and other cities and agencies throughout the State.</p>
1.0.14	How does your service differ from similar competitors'? How do you win and retain business?	-	<p>CTS offers the following unique qualifications that enable us to strengthen our working relationships with local and federal agencies in the state of Florida:</p> <ol style="list-style-type: none"> <li>1) Proven experience in the City of Pembroke Pines, Broward County, and FDOT District 4 contracts.</li> <li>2) 100% availability of our team's local professional engineers, planners, and architects with strong technical expertise.</li> <li>3) Committed and experienced in-house support staff.</li> <li>4) Local headquarters in Fort Lauderdale.</li> <li>5) No conflict of interest with the City.</li> <li>6) Extensive traffic engineering services experience with state-of-the-art traffic simulation tools (VISSIM, SIDRA, etc.).</li> <li>7) Outstanding design services for 150+ on-call contracts and performed Complete Streets design services for over 20 city and county intersections and roadways.</li> <li>8) Unparalleled review experience for studies, plans, and other documents on behalf of the City.</li> <li>9) Robust quality control program and quality assurance process.</li> <li>10) In-house data collection capabilities with successful implementation of innovative data collection technologies and Big Data implementation experiences.</li> <li>11) Excellent relationship with local municipalities, FDOT, federal agencies, and other public agencies.</li> <li>12) Local public outreach and engagement experience.</li> <li>13) Extensive knowledge of Broward County's policies, procedures, deliverable requirements, and preferences.</li> </ol>
1.0.15	A brief statement must be included which explains why your proposal would be the most effective and beneficial to the City of Pembroke Pines.	-	<p>Our Team's experience provides redundancy by offering civil and environmental engineering experts, designers, urban planners, traffic and transportation professionals, architects, structural and MEP engineers, geotechnical and landscape experts, and survey and Subsurface Utility Engineering (SUE) specialists with overlapping and specialized skillsets. Our pool of highly qualified engineering and architectural professionals understand the City's needs, have extensive general contract experience, and are ready to assist the City with no learning curve.</p> <p>We have previous experience managing similar contracts, with over 100 on-call engineering service projects completed with impressive and superior professional services in traffic engineering, design, and construction. Services included contracts for FDOT District 4, Broward County, South Florida Water Management District (SFWMD), Broward Metropolitan Planning Organization (MPO), and South Florida Regional Transportation Authority (SFRTA).</p>

## Question Set 2: Tab 2 - References Form

### Question Set 2 Instructions

Provide specific examples of similar contracts delivered by the proposed team members. Provide details on related projects (preferably where the team was the same). References should be from the last five years and should be capable of explaining and confirming your firm's capacity to successfully complete the scope of work outlined herein. As part of the proposal evaluation process, the City may conduct an investigation of references, including a record check or consumer affairs complaints. Proposers' submission of a proposal constitutes acknowledgment of the process and consent to investigate. The City is the sole judge in determining Proposers qualifications. In this section you will have the ability to enter information for 5 different references including the Reference Contact Information and the specific Project Information. The projects listed in this section shall be the firm's best examples of previous projects that are similar in size and scope. These projects and additional projects may also be listed on Standard Form 330.

In addition, do not provide references for City of Pembroke Pines projects.

Details should include the following:

#	Question	Response	Comment
<b>Previous Experience</b>			
2.1.1	How many clients have you provided Services for?	-	CTS Engineering has served various local and federal agencies throughout the state of Florida, including, but not limited to: Florida Department of Transportation, Miami-Dade County Department of Transportation and Public Works, Broward County Transportation Department, Broward County Traffic Engineering, Palm Beach Transportation Planning Agency, Broward County HCED, Miami-Dade Expressway Authority, Miami-Dade County, Broward County Highway & Bridge Maintenance Division, Miami-Dade TPO, Broward Metropolitan Planning Organization (MPO), City of Fort Lauderdale, City of Weston, City of Miami, Martin County, St. Lucie County, Indian River County, Monroe County, and other regional Metropolitan Planning Organizations (MPOs).
2.1.2	What similar or related projects have you worked on within the past three years?	-	<ul style="list-style-type: none"> <li>• General Engineering Support - Miami-Dade County Department of Transportation and Public Works</li> <li>• General Planning Consultant Services - Broward County Transportation Department</li> <li>• Districtwide Push Button Design - FDOT District 4</li> <li>• Countywide Intersection Improvements for Prioritization Study - Broward County Traffic Engineering</li> <li>• Consultant Services for Transit Surveys, Infrastructure and Shelter Designs - Broward County Transportation Department</li> <li>• General Planning Support for Traffic Forecasting and Analysis - FDOT District 4</li> <li>• General Engineering Consultant to FDOT District 6 for the Strategic Miami Area Rapid Transit (SMART) Plan FDOT District 6</li> </ul>
2.1.3	What challenges did you face and how did you overcome them?	-	Typical issues on similar contracts include managing multiple assignments concurrently and delivering high quality products on-time and within budget. The first step to the success of any Continuing Services contract is assigning a Project Manager (PM) that knows what it takes to get tasks done. Our proposed PM will serve as the contract manager and single point-of-contact to the City, while also preserving the ability to lead individual tasks. We will employ a hands-on approach to controlling the budget, schedules, resource availability, and quality measures while ensuring that appropriate-level staff are assigned to meet the scope, schedule, budget, and quality requirements of each task. Also, public involvement and outreach play a critical role in design projects. CTS has two recent projects (NW 19th Street Bicycle Lanes and NW 7th Avenue Complete Streets) that required extensive outreach. For NW 19th Street, we attended/hosted more than 10 meetings with local HOAs, the public, and commissioners. By listening to the community's voice, we understood how critical the corridor was for commuting to and from work. Based on this feedback, the County and FDOT decided to remove road diet portions of the project, which alleviated the community concerns and resulted in a successful project. For NW 7th Avenue, adding a new raised median and the road diet required extensive coordination with the business owners along the corridor. Most owners supported the project but had significant concerns about their access. CTS assisted FDOT and worked with individual owners to build the new medians while still providing sufficient access to businesses. This effort allowed for a true Complete Streets project that added on-street parking, bike lanes, and sidewalk enhancements. This recent and relevant experience ensures that our Team is capable and available to support the City in any project which may arise under this contract.
2.1.4	How many of your clients are repeat clients?	-	95% of our clients are repeat clients, where in some cases we are the prime consultant and in others we are a subconsultant.
2.1.5	How much of your revenue is derived from managing projects similar to ours?	-	40%
<b>Reference #1: Reference Contact Information</b>			
2.2.1	Name of Firm, City, County or Agency	-	Florida Department of Transportation, District 4 - Traffic Design Office
2.2.2	Address	-	3400 W Commercial Blvd, Fort Lauderdale, FL 33309
2.2.3	Contact Name	-	Tonya Estwick
2.2.4	Contact Title	-	Assistant Project Manager
2.2.5	Contact E-mail Address	-	<a href="mailto:tonya.estwick@dot.state.fl.us">tonya.estwick@dot.state.fl.us</a>
2.2.6	Contact Telephone #	-	954-777-4417
<b>Reference #1: Project Information</b>			
2.3.1	Name of Contractor Performing the work	-	CTS Engineering, Inc.



2.3.2	Name and location of the project	-	SR 80 Lighting Design
2.3.3	Nature of the firm's responsibility on the project	-	The project required an abnormally large amount of subsurface utility exploration in an extremely condensed schedule. All deliverables were provided on time and with remarkable quality.
2.3.4	Project duration	-	Less than 2 months
2.3.5	Completion (Anticipated) Date	-	2022
2.3.6	Size of project	-	Design survey and SUE services for an 18-mile-long project along SR-80/Southern Blvd
2.3.7	Cost of project	-	\$500,000
2.3.8	Work for which staff was responsible	-	CTS provided design surveying services, including baseline, topography, digital terrain models, and right-of-way mapping. CTS also provided comprehensive SUE services. These services were provided for an 18-mile long project along SR-80/Southern Blvd. in Palm Beach County. It is notable that CTS designated over 900 proposed light pole locations in less than 2 months.
<b>Reference #2: Reference Contact Information</b>			
2.4.1	Name of Firm, City, County or Agency	-	Broward County Highway and Bridge Maintenance Division
2.4.2	Address	-	1600 Blount Road, Pompano Beach, FL 33069
2.4.3	Contact Name	-	Diana Rodriguez, P.E.
2.4.4	Contact Title	-	Expansion Project Administrator
2.4.5	Contact E-mail Address	-	dirodriguez@broward.org
2.4.6	Contact Telephone #	-	954-357-6024
<b>Reference #2: Project Information</b>			
2.5.1	Name of Contractor Performing the work	-	CTS Engineering
2.5.2	Name and location of the project	-	Broadview Park Drainage Infrastructure Improvement Study & Master Plan – Broward County
2.5.3	Nature of the firm's responsibility on the project	-	Prime Consultant - Analyze the conditions associated with flooding of the road network in the Broadview Park, a Broward Municipal Services District, develop alternatives for stormwater management systems prioritizing green infrastructure to maximize on-site infiltration, storage, groundwater recharge and treatment of runoff that will reduce the discharge of pollutants into receiving waterways, reduce flooding and reduce downstream erosion and sedimentation within the drainage system (Project).
2.5.4	Project duration	-	9 Months
2.5.5	Completion (Anticipated) Date	-	February 2024
2.5.6	Size of project	-	600 Acres
2.5.7	Cost of project	-	\$870,000
2.5.8	Work for which staff was responsible	-	The scope included survey, geotechnical testing, project management, stakeholder coordination, drainage analysis, cost estimating, public outreach, grant support, and technical reporting. Geotechnical data was used to develop a drainage model of the existing conditions. A field survey was conducted when as-built information of the drainage system was not available. A model of the existing drainage conditions was created using the resulting drainage system information and a digital surface model, then calibrated using historic rainfall data. Feasible drainage infrastructure alternatives were evaluated with input from key stakeholders, including Broward County (Highway & Bridge Maintenance Division, Parks and Recreation, and the Resilient Environment Group) and City of Fort Lauderdale. Public outreach included a website, door-to-door canvassing, and a presentation at an initial public meeting to notify the community about the study and future projects.
<b>Reference #3: Reference Contact Information</b>			
2.6.1	Name of Firm, City, County or Agency	-	FDOT District 4
2.6.2	Address	-	3400 W Commercial Blvd, Fort Lauderdale, FL 33309
2.6.3	Contact Name	-	Bing Wang, P.E.
2.6.4	Contact Title	-	Project Manager
2.6.5	Contact E-mail Address	-	Bing.wang@dot.state.fl.us

2.6.6	Contact Telephone #	-	954-777-4406
<b>Reference #3: Project Information</b>			
2.7.1	Name of Contractor Performing the work	-	CTS Engineering
2.7.2	Name and location of the project	-	US 27 Roadway Design – Safety and Resurfacing
2.7.3	Nature of the firm's responsibility on the project	-	Project includes safety improvements along US-27 in Broward County from just N of I-75 to the Broward/Palm Beach County line. Improvements include shoulder widening, auxiliary lanes, internally illuminated RPM's, ITS enhancements, and other signing and pavement marking enhancements. The project also included SFWMD and USACE permitting, wetland mitigation, utility coordination, and drainage modifications.
2.7.4	Project duration	-	November 2018-May 2021
2.7.5	Completion (Anticipated) Date	-	May 2021
2.7.6	Size of project	-	12 Miles
2.7.7	Cost of project	-	1.5 Million
2.7.8	Work for which staff was responsible	-	Project included over 12 miles of major shoulder widening, ITS enhancements, 6 miles of internally illuminated RPMs, and acceleration/deceleration lanes for all boat ramp locations.
<b>Reference #4: Reference Contact Information</b>			
2.8.1	Name of Firm, City, County or Agency	-	Broward County Transit
2.8.2	Address	-	1 North University Drive, Plantation, Florida
2.8.3	Contact Name	-	Khalilah Ffrench, P.E.
2.8.4	Contact Title	-	Program Development Administrator
2.8.5	Contact E-mail Address	-	kffrench@broward.org
2.8.6	Contact Telephone #	-	954-357-6543
<b>Reference #4: Project Information</b>			
2.9.1	Name of Contractor Performing the work	-	CTS Engineering
2.9.2	Name and location of the project	-	General Planning Consultant Services for the Transportation Department
2.9.3	Nature of the firm's responsibility on the project	-	Prime Consultant - Provide for assessment, research, analysis in the following transportation-related planning and program support areas: capital project and development; environmental; economic development; organizational; information technology; public involvement and outreach; and grants compliance, monitoring and development.
2.9.4	Project duration	-	2021-Present
2.9.5	Completion (Anticipated) Date	-	Ongoing
2.9.6	Size of project	-	Countywide
2.9.7	Cost of project	-	3 Million
2.9.8	Work for which staff was responsible	-	Transportation-related planning and program support areas: capital project and development; environmental; economic development; urban design; organizational; information technology; public involvement and outreach; data collection; document review; procedure development and review; and grants compliance, monitoring and development
<b>Reference #5: Reference Contact Information</b>			
2.10.1	Name of Firm, City, County or Agency	-	FDOT District 4 – Traffic Safety Office
2.10.2	Address	-	3400 W Commercial Blvd, Fort Lauderdale, FL 33309
2.10.3	Contact Name	-	Yujing "Tracey" Xie, P.E.
2.10.4	Contact Title	-	District Traffic Safety Program Engineer
2.10.5	Contact E-mail Address	-	<a href="mailto:yujing.xie@dot.state.fl.us">yujing.xie@dot.state.fl.us</a>
2.10.6	Contact Telephone #	-	954-777-4355

Reference #5: Project Information			
2.11.1	Name of Contractor Performing the work	-	CTS Engineering
2.11.2	Name and location of the project	-	Districtwide Traffic Operations Safety Reviews and Studies Contract
2.11.3	Nature of the firm's responsibility on the project	-	Perform 3R safety reviews and safety studies to aid in the development of safety projects targeting the emphasis areas of the Florida Strategic Highway Safety Plan (FSHSP). Other tasks included assisting with resolving complaints or requests received from concerned citizens/agency request, fatal crash reviews, work zone safety, maintenance/update of Department's Skid Hazard Reporting System, develop and utilize GIS based tools to identify locations with targeted crash patterns.
2.11.4	Project duration	-	2015-Present
2.11.5	Completion (Anticipated) Date	-	June 2024
2.11.6	Size of project	-	Districtwide
2.11.7	Cost of project	-	3 Million
2.11.8	Work for which staff was responsible	-	As part of the subject contract, performed numerous safety studies, 3R safety reviews, road safety audits, fatal crash reviews, and lighting analysis. The safety studies included crash analysis; collision diagrams; identification of crash patterns, probable causes and countermeasures; field reviews; development of improvement alternatives specific to identified crash patterns; constructability/feasibility analysis; operational analysis, lighting analysis, coordination with local government/maintaining agencies; preliminary cost estimates; application of appropriate crash reduction factors; benefit-cost and net present value (NPV) analysis; and assistance with securing safety funding for implementation of the identified improvements. Some examples of completed assignments include – lighting analysis for SR 25/US 27, I-95 in Palm Beach, Hallandale Beach Boulevard, Forest Hill Boulevard; 3R Safety Reviews for I-95, I-77, Broward Boulevard, Sample Road, and SR 5; safety studies on Sunrise Boulevard, Griffin Road, and Powerline Road; Pedestrian mid-block evaluation and safety assessment on Indiantown Road; Road Safety Audit for Merrill Barber Bridge; Pedestrian Studies along Pembroke Road, Oakland Park Boulevard, and Lake Worth Road; wrong-way signage and pavement marking assessment for all I-95 interchanges in Broward County; and over 500 fatal crash reviews.
75 Questions		100.00% Complete	

# Question Set 3: Tab 3 - Firm's Understanding and Approach to the Work

## Question Set 3 Instructions

The understanding that the applicant and consultants demonstrate as to the requirements and needs of the project, including an evaluation of the thoroughness demonstrated in analyzing and investigating the scope of the project.

#	Question	Response	Comment
3.0.1	Provide a narrative statement demonstrating an understanding of the overall intent of this solicitation, as well as the methods used to complete assigned tasks.	-	<p>We understand that projects under this contract may include, but not limited to, new buildings of various construction types, additions and/or renovations, stand alone accessory structures, play surfaces/areas/equipment, drainage issues, and roadway type construction/ modifications. We are prepared to manage and execute every aspect of each project to minimize the burden on the City of Pembroke Pines. To accomplish this, we have assembled a strategic team that can fulfill the entirety of the City's prospective projects, including environmental and landscape specialists, architects, CEI professionals, roadway engineers, survey experts, and much more. We will be proactive in establishing roles, responsibilities, goals, and expectations. We will deliver the best project at the lowest cost, making every dollar count. CTS is prepared to support or manage the processes for delivering projects efficiently, consistently, on-time, within budget, and compliant with all requirements.</p> <p>Considering the City's Capital Improvement Plan or priority projects identified for this contract, our proposed Project Manager, Michael Melendez, P.E., will review or assist in the development of a Scope of Work (SOW) to assemble the best possible team for the work. Assembling the project team begins with consulting the Task Leads to identify an experienced Design Team Lead based on the SOW. Considering the anticipated tasks to deliver the project, the specialized team members will be chosen based on their expertise. The resulting team will be reviewed by our Project Manager to ensure that it is optimized to complete the work successfully, considering Scope, schedule, budget, and any minority business goals. By the established deadline, we will provide a concise response for the City's review and ranking, along with detailed resumes and our proposed team structure. We will communicate our understanding of the project and any additional suggestions for consideration when finalizing the SOW prior to requesting a fee proposal. If requested to we</p>
3.0.2	Please address your familiarity and understanding of the needs of the current compliance with City Standards, Codes and Engineering Standards.	-	<p>CTS is familiar with the City's Engineering Design Standards which establish minimum infrastructure requirements for roadways, utilities, drainage, water, sewer, and landscaping. We routinely apply governing codes and standards, including the Florida Design Manual, Standard Plans, Florida Greenbook, Broward County Minimum Standards, and various other standards relevant to civil infrastructure. CTS understands that codes and standards for engineering play a vital role in safeguarding public safety, promoting quality and consistency, ensuring legal compliance, and enhancing the resilience of cities and communities.</p> <ul style="list-style-type: none"> <li>• Safety: ensures infrastructure meets or exceeds minimum safety requirements.</li> <li>• Quality Assurance: assures the quality and durability of infrastructure projects</li> <li>• Consistency: provides framework for engineers, architects, contractors and other professionals</li> <li>• Legal Compliance: ensures compliance for safety, environmental impact, accessibility, and more</li> <li>• Resilience: incorporate provisions to avoid catastrophic damage to natural disasters.</li> </ul>
3.0.3	Please address your familiarity with Engineering Permitting and Preparing Studies and Miscellaneous Designs in regards to similar projects.	-	<p>Engineering Permitting: CTS understands the importance of and has extensive experience working with permitting agencies within the region. We have extensive experience permitting civil engineering projects in South Florida for many years and have a track record of successful and professional relationships with all regulatory agencies. As an example, CTS led the environmental/NEPA permit effort for the Underline Phase 2 Design Build project. Our experience provides us with a clear understanding of the applicable regulatory agencies and the typical timelines related to the application and review process, which will assist us in integrating the permitting process into the project schedule.</p> <p>Preparing Studies: The CTS Team brings hands-on and in-depth experience with high-profile Broward County facilities, including I-95/I-595/I-75 Express Lanes projects, South Florida Commuter Services, I-95/I-595/I-75 interchange planning, and engineering improvements. Our Team members have been involved in all major corridor planning studies in Broward County, including Oakland Park Boulevard, SR-7, University Drive, Pine/Hollywood Boulevard, Sunrise Boulevard, and Sample Road. We are also actively supporting I-95 Express Phase 3 projects. Our Team also completed the Broward County Congestion Assessment study for FDOT District Four. Throughout our extensive work with various levels of government agencies, we have become extremely familiar with the preferences and policies of the local government agencies such as FDOT District 4, Broward County Highway &amp; Bridge Maintenance Division, Broward County Highway Construction and Engineering Division, Broward County Traffic Engineering Division, Broward County Transit, and all 31 of Broward County's municipalities. We have also established strong working relationships with the FDOT, Federal Highway Administration (FHWA), and Federal Transit Administration (FTA).</p>
3.0.4	Please clearly describe all aspects of the project proposed. Include details of your approach and work plans.	-	<p>This contract will include management activities associated with the technical aspects of developing and delivering projects. Our proposed PM, Michael Melendez, P.E., has managed numerous FDOT and municipal design and construction projects of varying scales over his 25-year career and is capable to manage and perform all work plan activities under this contract, including but not limited to developing fee proposals, costs, scheduling, progress reports, agendas, minutes, exhibits, plan reviews, comment responses, quality controls, stakeholder coordination, value engineering efforts, compliance reporting (Disadvantaged Business Enterprise), and contract management. Michael understands how to assemble a well-matched project team and support them in doing what they do best, while forecasting potential issues to develop solutions. To efficiently deliver high quality solutions, we have designated qualified Team members as leads to oversee each of the key scope services. It is our responsibility to ensure that QA/QC is implemented throughout the life of every project.</p>

3.0.5	Identify any issues or concerns of significance that may be appropriate.	-	<p>Issues that may arise in similar contracts include budget limitations, scope creep, stakeholder coordination, environmental considerations, public perception and acceptance, constrained right-of-way, utilities in conflict, drainage &amp; resiliency, cost of construction. Addressing these challenges requires comprehensive planning, effective project management, stakeholder engagement, and collaboration among multiple disciplines and agencies. We understand these key issues and have developed processes and techniques, through experience, to anticipate and mitigate the adverse impacts to such projects.</p>
3.0.6	How do you ensure the quality of your services? What criteria do you use to measure your quality?	-	<p>At CTS, we are very aware that our reputation is built on the quality of work that we produce. As such, QA/QC will be performed throughout the duration of the project. Every deliverable that CTS provides will go through a task-specific internal quality control procedure. We will assign independent reviewers who have the necessary knowledge and experience to perform engineering feasibility and constructability reviews. Our QA/QC manager, Danny Iglesias, P.E., who has over 39 years of engineering experience, will ensure that all deliverables go through this process. CTS has developed a QA/QC process that follows the guidelines from the Professional Engineers in Private Practice (PEPP). We incorporate the following best practices into our QC Plan: 1) Our QC is achieved through detailed checking, reviewing, and double checking by independent staff who was not involved in the initial study, design, or review assignment; 2) Our QC is carried out by using the appropriate level of staff assigned by our QC manager; 3) Our QC is well planned and detailed through extensive coordination with the County and our consultant Team, adoption of state-of-the-art technologies, and implementation of proper guidelines, procedures, and processes; and 4) Our QC is controlled by a clear understanding of task scope, schedule, budget, and anticipated deliverables. To measure our quality, we follow the following criteria: 1) Accuracy: The work should be technically correct and free from errors; 2) Efficiency: How efficiently the solution solves the problem or meets the requirements within given constraints such as time, cost, and resources; 3) Robustness: The ability of the solution to perform reliably under different conditions and potential variations; 4) Safety: Ensuring that the solution is safe for use, adheres to relevant safety standards, and minimizes risks to people and the environment; 5) Scalability: Whether the solution can handle increased demands or be easily adapted to larger scales; 6) Maintainability: How easy it is to maintain, update, or modify.</p>
3.0.7	How often do you find mistakes or errors in your work and what is done to correct these errors, and what is the average correction time?	-	<p>We expect our personnel working on a task or project to continuously conduct quality reviews to minimize the potential for significant errors or systemic oversights. We typically catch any errors through our continuous review as we develop the deliverable before it goes through our internal QA/QC process. Once in our QA/QC process, errors or omissions are marked to be addressed prior to submitting to the client or approving agency. Since QC is a continuous process, our correction time is typically within the same day.</p>
3.0.8	Describe the firm's techniques to quality control. At a minimum describe the firm's technique to control design and contract documentation, including record keeping.	-	<p>Every deliverable that CTS provides will go through a task-specific internal quality control procedure. We will assign independent reviewers who have the necessary knowledge and experience to perform engineering and constructability reviews. Our QA/QC manager, Danny Iglesias, P.E., who has over 39 years of engineering experience, will ensure all deliverables go through this process.</p> <p>CTS will document all tasks thoroughly, including recommendations and alternatives including concept plans, layouts, and cost estimates for all proposed improvements, as needed in a technical memorandum, report, or an email per the City's project manager/task manager's preference. We will QC the deliverable, check for language, spelling, and grammar on all our reports and ensure that the burden on reviewers is minimized.</p> <p>In addition, CTS will also maintain records of files, traffic count data, crash data, traffic engineering analysis software input and output files, documents, field photos, CADD files, presentations, videos, correspondence, and any other supporting documentation for each task. These records can be made available through secured cloud access or as a formal delivery at any time.</p>
8 Questions			100.00% Complete

## Question Set 4: Tab 4 - Willingness to Meet Time and Budget Requirements

### Question Set 4 Instructions

This solicitation is for the award of a continuing contract. The specific projects requiring professional services under the agreement have not yet been identified. However, in general, please explain your firm's approach in meeting "project specific" time and budget requirements and indicate whether CONSULTANT is committed to meet these requirements when identified in this agreement.

The continuing contract shall be used for professional services for projects in which the estimated construction cost of each individual project under the contract does not exceed \$4 million, or for study activities in which the fee for professional services for each individual study under the contract does not exceed \$500,000, or as further allowed, or amended from time to time, in Florida Statute 287.055.

Individual projects may be identified in the future, including potential projects resulting from a future Master Plans that the City is in the process of developing. The following list includes some possible project(s) that the City may utilize the continuing contract for. The estimated timelines and cost estimates for the professional services listed below are rough ball-park figures, however the Public Services Department will work with the awarded Consultant to better define the scope, design, timeline and cost estimates after the award of the contract(s).

Please note that during this portion of the process, the City is NOT asking for the firms to submit pricing. After the evaluation committee has selected the firms in order of preference, the City shall negotiate a contract with the most qualified firm for professional services and work authorizations at compensation which the agency determines is fair, competitive, and reasonable. Should the agency be unable to negotiate a satisfactory contract with the firm considered to be the most qualified at a price the agency determines to be fair, competitive, and reasonable, negotiations with that firm must be formally terminated. The agency shall then undertake negotiations with the next most qualified firm.

#	Question	Response	Comment
<b>Budget</b>			
4.1.1	In general, please explain your firm's approach in meeting "project specific" budget requirements and indicate whether Consultant is committed to meet these requirements when identified in this agreement.	-	CTS has extensive experience with similar general engineering support contracts and maintains a tracking spreadsheet to monitor task efforts and key milestones to ensure that all key Team members are aware of their allocated time and budget. The invoice report is automatically updated in CTS's accounting software to reflect the new cost-to-date figures and balances. The budget reflected in our system is therefore always current. We proactively monitor the budgets on each individual task to ensure that the progress on the work product matches the expenditure. In addition, we invoice monthly and use it as an important tool for budget control. Invoices include detailed status reports identifying all work performed, staff utilized and their contracted classifications, and budget used during that invoice period. We strive for quality deliverables and quality products that will require less of the Department's time in review and will thereby translate into cost savings.
4.1.2	Please advise if your firm is willing to meet the stated budget requirements.	Yes	Our team will meet the stated budget requirements and are ready to work with the City to propose innovative approaches to doing so.
4.1.3	What percentage of your completed projects have had cost overruns?	-	Since our inception, 0% of our design projects have been subject to premium costs due to errors or omissions. For approximately 5% of our projects, our clients have modified the scope of the project to add or remove components for reasons ranging from changing construction costs to stakeholder feedback.
4.1.4	Tell me about a time when you went over budget. How did you handle the situation?	-	CTS has not had an instance where the project budget was exceeded and resulted in an additional expense to the client that was not planned for. Control of budget is a critical component of our project management, and we utilize proven methods for tracking and forecasting budgets. In the event a project is projected to go over budget, we'll notify the project owner early on and bring recommendations to the table for consideration.
4.1.5	What cost-saving measures do you implement at your firm?	-	By assigning experienced personnel using the current best practices and innovative software solutions, CTS is able to find efficiencies in our workflows which result in cost savings.
4.1.6	Who will be in charge of maintaining the budget on projects?	-	Our proposed Project Manager, Michael Melendez, P.E., will be responsible for overseeing the budget throughout the life of the contract. Mr. Melendez has 25 years of diverse experience in the planning, design, construction, and maintenance of transportation and civil projects of varying scales. He has worked as an engineer for FDOT, Broward County, engineering consultants, and as Principal for an engineering firm he founded that later became part of CTS Engineering. These experiences have required him to manage budgets for programs, projects, and contracts. He also supported the Mobility Advancement Program (aka Surtax) while with Broward County's Highway & Bridge Maintenance Division.
4.1.7	How many accounts is this person assigned to at a given time?	-	Our proposed Project Manager, Michael Melendez, P.E., is assigned accounts based on his availability and capabilities. While he is involved in supporting CTS's ongoing projects and contracts, he is not currently managing any contracts of this type and is available to meet the needs of Pembroke Pines.
<b>Timeline</b>			
4.2.1	In general, please explain your firm's approach in meeting "project specific" time requirements and indicate whether Consultant is committed to meet these requirements when identified in this agreement.	-	All schedules have key milestones. For example, design projects for major construction has Master Plan Phase, 60% Plan Submittal, 90% Plan Submittal, 100% Complete Design Phase, and Final Plans. For services, such as document reviews or staff support assignments on a continual basis, we will provide abundant and qualified resources to meet the demand in these areas and the schedules. A thorough quality control review of all documents and deliverables meeting objectives, criteria, and standard of care minimizes or eliminates rework, which allows for continued progress. We will account for timely reviews of deliverables in our schedules. In addition, we have scheduling experience on major roadway improvement projects with FDOT and other local agencies, both for design and construction. We have submitted all deliverables on these projects, as well as all projects with Broward County, FDOT, and other local agencies on time or ahead of schedule. CTS is committed to meeting all time requirements identified upon agreement with the City of Pembroke Pines.
4.2.2	Please advise if your firm is willing to meet the stated time requirements.	Yes	CTS is ready to assist the City of Pembroke Pines by providing a Team with local and national overlapping skillsets and availability. One key step to delivering on this promise to ensure success is to assign a Project Manager with commensurate qualifications, experience, and full availability. This contract must be the Project Manager's top priority to ensure that all tasks are delivered in a timely manner. Our proposed Project Manager, Michael Melendez, P.E. will be 100% available and committed to this contract.
4.2.3	What is the average turnaround time for a project that is similar to mine?	-	While the duration to turn around a project can vary based on the scale and complexity, we can typically deliver miscellaneous projects or studies in less than one month.

4.2.4	What is your average on-time completion rate?	-	For projects where we have all the necessary data and there are no changes to the scope of work, our projects are always on time. We always take a proactive approach to project planning, effective communication, and agile problem-solving to mitigate potential delays and ensure successful project outcomes.
4.2.5	How many projects do your teams typically take on at a given time?	-	Considering CTS Engineering's 100+ multidisciplinary workforce of qualified individuals, we can take on several projects at a time across the range of our services. We have similar Continuing Services contracts and stand-alone projects where we may have approximately ten larger contracts/projects and thirty smaller-scale projects underway at any given time. We consistently assess the workload of our resources and monitor project milestones to ensure on-time completion and timely response to our client's needs.
4.2.6	Tell me about a time when the project timeline was delayed. How did you handle the situation?	-	we understand that timelines could be affected when projects are expedited due to their high-profile nature. To begin with, we will have a well-developed schedule maintained and tracked throughout the project's life. To properly develop/maintain a Task schedule, a well-defined, upfront scope is critical to avoid scope creep. We will meet with the City immediately upon the assignment of a task to discuss the expectations for deadlines and milestones. The initial schedule discovery will ensure that milestone submittals are properly staggered (with enough time planned between draft and final plan submittals). For assignments that are time-sensitive or on an expedited schedule, we will set schedule priorities for that assignment in our tracking system. If any task is falling behind, we will ensure that a recovery plan is executed to address any issues by assigning additional resources or compressing schedules, as needed. With our in-house abilities of data collection and survey, we are well positioned to reassign or reallocate resources to ensure that these critical path items are completed in time to ensure that City's expedited project schedule are met. CTS is proud that we never missed any deadline or schedule on any project for our clients. We had expedited the design of "wrong way" signing/pavement marking improvements for over 90 exit ramp intersections within 2 months for FDOT District 6. CTS was able to deliver plans for all locations on-time, with a design rate of more than one intersection per day to meet the committed schedule. In addition, we recently completed the design for a new sidewalk (including swale regrading, drainage and utility relocations) along SW 8th Street in Miami, which was a high priority due to several pedestrian crashes. The project had additional urgency as it had to be designed and constructed within one year because of another upcoming construction project at the location whose schedule could not be modified or delayed. These
4.2.7	Describe the firm's design and construction management methods and techniques. Include details on firm's ability to make decisions and facilitate resolution of disputes.	-	Our design and construction ability to quickly align with a city's priorities and our design and construction management approach aims to apply practical solutions from our vast experience. For design, our approach is built on our vast experience with public sector projects to ensure high quality and cost-effective designs. We tailor our design to the specific project, while always ensuring high quality and cost-effective design by leveraging available information. Every roadway project we design is developed using the latest CADD software (MicroStation / Open Roads Design, AutoCAD / Civil 3D), while not bringing in unnecessary costs for the scope of work. We immediately research available data (existing survey and R/W maps, existing geotechnical data, prior projects as-builts and CADD files, and available aeriels). Based on the scope of work, we then determine if the project can be designed using information already gathered rather than performing costly field work for survey and geotechnical. The design in CADD ensures all quantities, details, and measurements are accurate and can be easily verified, thus limiting cost overruns and design errors once the project goes to construction. Our design approach for high quality and cost-effective designs include the following steps: 1. Open communication with the City to ensure the design scope matches the goal of the project. 2. Develop a project specific quality control plan. 3. Gather existing data (existing survey and R/W maps, existing geotechnical data, prior projects as-builts and CADD files, and available aeriels). 4. Field review to verify exiting conditions. 5. Build base files in CADD to begin the design process and explore various solutions. 6. Engage the City as needed during the development of the design and use sound engineering judgement to evaluate cost savings possibilities while maintaining a high-quality design that meets the goals of the project.
4.2.8	Describe the firm's knowledge and experience with scheduling.	-	The Project Manager must be aware of the budget and schedule for each project, work order, and the overall contract. The schedule management of the contract and individual tasks is critical. For larger scale task requests, CTS will prepare a detailed project schedule with resources using the latest version of Primavera Professional Project Management software. We will identify the critical path and include milestone completion dates for specific tasks and for the overall task. The schedule will also identify task durations, milestones, and interdependencies. The project schedule will be maintained throughout the task by each of the task managers, reporting regularly to our proposed Project Manager, Mike Melendez, P.E. CTS will build consensus with the City of Pembroke Pines to establish a practical schedule. We will also develop the schedule to the level of detail required for each assignment. We also have an internal tracking system for those assignments and their deadlines using a Task Work Plan. The Task Work Plan will track the allocated staff-hour commitments, either individually and/or by classification for each task. Our management process allows us to make any necessary adjustments to maintain the project's schedule, while preventing adverse impacts to the budget.
15 Questions		100.00% Complete	



## Question Set 5: Tab 5 - Recent, Current, and Projected Workloads of the Firms

### Question Set 5 Instructions

Please provide any information regarding your firm's recent, current, and projected workloads for the Evaluation Committee to review.

#	Question	Response	Comment
5.0.1	Recent Workload: Describe your recent workload.	-	CTS has participated in over 18 GEC-type contracts in the last five years in South Florida (as prime or sub-consultant). During this five-year period, CTS conducted over 50 task authorizations in a year, in design, architecture, and construction administration, similar to this contract scope of work, for our clients, concurrently, throughout Indian River, Martin, St. Lucie, Palm Beach, Broward, Miami-Dade, and Monroe Counties. The concurrent schedules and varying locations of these projects (with CTS as prime consultant only) demonstrate our management capacities.
5.0.2	Current Workload: Describe your current workload.	-	<p>CTS ensures that no matter the workload, a contract's schedule is never jeopardized. CTS is proud to have never missed a deadline and has delivered high-quality products, on time, every time. At one time, CTS concurrently managed over 15 design and general engineering support contracts. We offer ample resources, capacity, and staff availability to support the City of Pembroke Pines with this contract. Our current workload is as follows:</p> <ul style="list-style-type: none"> <li>• Transit and rail Multimodal Development Continuing Services</li> <li>• General Planning Contract for Transit Program Support</li> <li>• General Planning Contract for Districtwide Rail Consultant Services</li> <li>• General Engineering Consultant to FDOT District 6 for the Strategic Miami Area Rapid Transit (SMART) Plan</li> <li>• Districtwide Push Button Design</li> <li>• Districtwide Rail Consultant Services</li> <li>• General Engineering Support</li> <li>• Consultant Services for General Planning Consultant Services</li> <li>• Countywide Intersection Improvements for Prioritization Study</li> <li>• Consultant Services for Transit Surveys, Infrastructure and Shelter Designs</li> </ul>
5.0.3	Projected Workload: Describe your projected workload.		The workload indicated previously will continue except for at least two which will be completed within the next year. As an indication of our client's satisfaction with our service, CTS has been fortunate to have recently been awarded a stand-alone design project for roadway improvements along the next segment of US-27 south of I-75 which is the continuation of a CTS's work on an adjacent segment to the north. These changes will result in a net decrease in work relative to our capabilities and resources, resulting in the availability necessary to commit resources to this Pembroke Pines contract as needed.
3 Questions		100.00% Complete	

## Question Set 6: Contact Information Form

#	Question	Response	Comment
<b>Company Information</b>			
6.1.1	Company Name	-	CTS Engineering, Inc.
6.1.2	Company Address	-	3230 West Commercial Blvd, Suite 220 Fort Lauderdale, FL 33309
6.1.3	Is the location/address in which the work will be conducted/completed, different than the address listed above? If yes, please list the primary address in which the work will generally be completed in.	Yes	3230 West Commercial Blvd, Suite 220 Fort Lauderdale, FL 33309
<b>Primary Contact for the Project</b>			
6.2.1	Contact Name	-	Sheng Yang, P.E., PTOE
6.2.2	Contact Title	-	President
6.2.3	Contact E-mail Address	-	<a href="mailto:syang@ctseinc.com">syang@ctseinc.com</a>
6.2.4	Contact Telephone Number	-	305-890-7198
<b>Authorized Approver</b>			
6.3.1	Contact Name	-	Sheng Yang, P.E., PTOE
6.3.2	Contact Title	-	President
6.3.3	Contact E-mail Address	-	<a href="mailto:syang@ctseinc.com">syang@ctseinc.com</a>
6.3.4	Contact Telephone Number	-	305-890-7198
<b>Professionally Licensed Engineer for the Project / Single Point of Contact</b>			
6.4.1	Contact Name for the single point of contact, that is a professionally licensed Engineer, for this project, when/if awarded.	-	Michael Melendez, P.E.
6.4.2	Contact Title	-	Project Manager, Senior Engineer I
6.4.3	Contact E-mail Address	-	<a href="mailto:mmelendez@ctseinc.com">mmelendez@ctseinc.com</a>
6.4.4	Contact Telephone Number	-	954-777-8480
<b>15 Questions</b>		<b>100.00% Complete</b>	

## Question Set 7: Proposer's Background Information

### Question Set 7 Instructions

The PROPOSER acknowledges and understands that the information contained in response to this Qualification Statement shall be relied upon by CITY in awarding the contract and such information is warranted by PROPOSER to be true. The discovery of any omission or misstatement that materially affects the PROPOSER's qualifications to perform under the contract may cause the CITY to reject the Bid, and if after the award, to cancel and terminate the award and/or contract.

#	Question	Response	Comment
<b>Former Business</b>			
7.1.1	Under what former name has your business operated? Include a description of the business.	-	N/A
7.1.2	At what address was that business located?	-	N/A
<b>Past Failure</b>			
7.2.1	Have you ever failed to complete work awarded to you. If so, when, where and why?	No	
<b>Inspected</b>			
7.3.1	Have you personally inspected the proposed WORK and do you have a complete plan for its performance?	Yes	As part of CTS's commitment to quality, which directly affects our reputation, we often conduct desktop and field reviews of the developing project to support the project team's goal of delivering the project successfully, exceeding our client's expectations.
<b>Subcontracting</b>			
7.4.1	Will you subcontract any part of this WORK? If you will be subcontracting any part of this work, provide details including a list of each sub-contractor(s) that will perform work in excess of ten percent (10%) of the contract amount and the work that will be performed by each subcontractor(s). (Note: The proposed list of subcontractor(s) may not be amended after award of the contract without the prior written approval of the Contract Administrator, whose approval shall not be reasonably withheld.)	Yes	AREHNA Engineering, Inc. will sub consult for Geotechnical Services requested, with Angela Alba, P.E. (25 years of experience) and Jessica A. McRory, PE, LEED AP (20 years of experience) leading geotechnical efforts as needed. ASA Consultants, Inc. will be assisting in Structural and FDOT Roadway Engineering. Team leaders include Soheila Sadough, P.E. (30 years of experience), Felix Cebrecos, MSCE (46 years of experience), and Gordon Houston, P.E. (44 years of experience). Chen Moore and Associates, Inc. will sub consult for Landscape Architecture and Hydro-Geological services, and will provide redundancy in General Civil and Environmental Engineering, as well as FDOT Roadway Engineering. Brian Voelker, M.S., SPWS, C.A., CLI (Landscape Architecture and Environmental Engineering), Gregory Mendez, P.E. (Civil Engineering), and Brad Wilson, P.E. (Roadway and Drainage) offer their 70+ years of combined experience to the CTS Team as Team Leads. Hammond & Associates, Inc. will lead MEP Engineering services offered to the City, with Eric J. Hammond, P.E.'s 45 years of experience. RK&K, LLC will assist in General Civil Engineering and lead FDOT Roadway Prequalification's of 3.1, 3.2, 10.1, and 10.3. Morris Williams will provide his 40+ years of experience in the CEI industry. Saltz Michelson Architects, Inc. will be sub-consulting for Architectural services for this contract. Charles A. Michelson, AIA, ACHA, LEED AP (44 years of experience) will lead the architectural team.
<b>Bankruptcy Petitions</b>			
7.5.1	List and describe all bankruptcy petitions (voluntary or involuntary) which have been filed by or against the Proposer, its parent or subsidiaries or predecessor organizations during the past five (5) years. Include in the description the disposition of each such petition.	-	N/A
<b>Bond Claims</b>			
7.6.1	List and describe all successful Bond claims made to your surety(ies) during the last five (5) years. The list and descriptions should include claims against the bond of the Proposer and its predecessor organization(s).	-	N/A
<b>Claims, Arbitrations, Administrative Hearings and Lawsuits</b>			
7.7.1	List all claims, arbitrations, administrative hearings and lawsuits brought by or against the Proposer or its predecessor organizations(s) during the last (10) years. The list shall include all case names; case, arbitration or hearing identification numbers; the name of the project over which the dispute arose; and a description of the subject matter of the dispute.	-	N/A
<b>Criminal Proceedings or Hearings</b>			
7.8.1	List and describe all criminal proceedings or hearings concerning business related offenses in which the Proposer, its principals or officers or predecessor organization(s) were defendants.	-	N/A
<b>Company Classification</b>			
7.9.1	In regards to the commodities/services proposed, which of the following best classifies your firm? If you selected any options besides "Original Provider" please explain.	Original Provider	
<b>Debarment/Suspension</b>			
7.10.1	Have you ever been debarred or suspended from doing business with any governmental agency? If you have been debarred or suspended from doing business with any governmental agency, please explain.	No	
<b>Similar Experience &amp; Contracts</b>			

7.11.1	Describe the firm's local experience/nature of service with contracts of similar size and complexity, in the previous three (3) years.	-	Contracts of local experience or nature of service include Continuing Services Minor Project Design Consultant, FDOT District 4, US-27 Safety Projects, FDOT District 4, and Miami-Dade County Department of Transportation and Public Works (DTPW) Traffic Engineering Division (TED). Experience spans managing and supporting comprehensive design services to produce construction plans for a variety of projects, safety improvements, permitting, wetland mitigation, utility coordination, and drainage modifications. CTS has extensive experience managing contracts that are Task Work Order based, with over 100+ on-call engineering and design service contracts like this General Engineering and Continuing Services contracts.
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12 Questions

100.00% Complete

## Question Set 8: Vendor Registration Checklist

### Question Set 8 Instructions

The City has included various documents in the Vendor Registration portal on the Bonfire website. This process is intended to make the bidding process easier for vendors that bid on multiple City projects. This process will allow vendors to complete and submit the following standard forms and documents at any time prior to bidding on a project. In addition, the vendors will be able to utilize these same forms without the need to re-fill and re-submit the forms each time they bid on a City project. In the event that the City does not have one of the forms or documents listed below for your company, the City may reach out to your company after the bid has closed to obtain the document(s).

Furthermore, please make sure to update this information on an as-needed basis so that all pertinent information is accurate, such as local business tax receipts, and any other relevant information.

This section will summarize your responses to those relevant documents.

#	Question	Response	Comment
<b>Vendor Information Form</b>			
8.1.1	Did you submit a completed Vendor Information Form in the Vendor Registration Portal?	Yes	
<b>Form W-9 (Rev. October 2018 or later)</b>			
8.2.1	Did you submit a W-9 Form (Revised October 2018 or later) in the Vendor Registration Portal?	Yes	
<b>Company Profile</b>			
8.3.1	Did you submit your Company Profile Form in the Vendor Registration Portal?	Yes	
<b>Sworn Statement on Public Entity Crimes Form</b>			
8.4.1	Which option did you select on the Sworn Statement on Public Entity Crimes Form?	A) Not Charged / Convicted	
<b>Local Business Tax Receipts</b>			
8.5.1	Did you submit your Local Business Tax Receipts in the Vendor Registration Portal?	Yes	
<b>Veteran Owned Small Business Preference Certification</b>			
8.6.1	Which option did you select on the Veteran Owned Small Business Preference Certification? Note - If certifying that your business is a Veteran Owned Small Business, you must also attach a "Determination Letter" from the U.S. Dept. of Veteran Affairs Center	Not a Veteran Owned Small Business	
<b>Equal Benefits Certification Form</b>			
8.7.1	Which option did you select on the Equal Benefits Certification Form?	A) Complies	
<b>Vendor Drug-Free Workplace Certification Form</b>			
8.8.1	Which option did you select on the Vendor Drug-Free Workplace Certification Form?	Complies Fully	
<b>Scrutinized Company Certification</b>			
8.9.1	Did you submit a completed Scrutinized Company Certification in the Vendor Registration Portal?	Yes	
<b>E-Verify System Certification Statement</b>			
8.10.1	Did you submit a completed E-Verify System Certification Statement in the Vendor Registration Portal?	Yes	
<b>Federal Projects</b>			
8.11.1	<p>Did you submit a completed "Certification Regarding Lobbying; Debarment, Suspension and Other Responsibility Matters for Expenditure of Federal Funds" in the Vendor Registration Portal?</p> <p>Lobbying: As required by 7 CFR Part 3018, for persons entering into a contract, grant or cooperative agreement over \$100,000 involving the expenditure of Federal funds, the Contractor must complete the Certification Regarding Lobbying.</p> <p>Debarment, Suspension and Other Responsibility Matters: Where the Contractor is unable to certify to any of the statements in the certification for Debarment, Suspension and Other Responsibility Matters, he or she shall provide an explanation.</p>	Completed Lobbying & Debarment Certifications	
8.11.2	<p>Did you submit a completed "Standard Form - LLL, "Disclosure Form to Report Lobbying" in the Vendor Registration Portal?</p> <p>Note - If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress or an employee of a Member of Congress, in connection with this Federal contract, grant, loan, or cooperative agreement, the Contractor shall also complete and submit the Standard Form - LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.</p>	Yes	N/A

8.11.3

Are you a Minority Owned Business Enterprise, Woman-Owned Business Enterprise or HUBZone-Certified Small Businesses / Labor Surplus Area Firms? If so, did you select the appropriate MBE Classification(s) and submit your MBE Certificate(s) in the Vendor Registration Portal?

Yes

13 Questions

100.00% Complete



**NON-COLLUSIVE AFFIDAVIT**

BIDDER is the \_\_\_\_\_, President  
(Owner, Partner, Officer, Representative or Agent)

BIDDER is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

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

Neither the said BIDDER nor any of its officers, partners, owners, agents, representative, employees or parties in interest, including this affidavit, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other BIDDER, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted; or to refrain from bidding in connection with such Contract; or have in any manner, directly or indirectly, sought by agreement or collusion, or communications, or conference with any BIDDER, firm, or person to fix the price or prices in the attached Bid or any other BIDDER, or to fix any overhead, profit, or cost element of the Bid Price or the Bid Price of any other BIDDER, or to secure through any collusion conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Contract;

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

Printed Name/Signature Sheng Yang, P.E., PTOE 

Title President

Name of Company CTS Engineering, Inc.



# ARCHITECT - ENGINEER QUALIFICATIONS

## PART I - CONTRACT-SPECIFIC QUALIFICATIONS

### A. Contract Information

1. TITLE AND LOCATION (City and State)

**Continuing Services for Citywide Professional Architectural, Engineering, Surveying and Mapping**  
City of Pembroke Pines, FL

2. PUBLIC NOTICE DATE

January 23, 2024

3. SOLICITATION OR PROJECT NUMBER

PSPW-23-20

### B. Architect - Engineer Point of Contact

4. NAME AND TITLE

Sheng Yang, P.E., PTOE - President

5. NAME OF FIRM

**CTS Engineering, Inc.**

6. TELEPHONE NUMBER

305-890-7198

7. FAX NUMBER

8. EMAIL ADDRESS

[syang@ctseinc.com](mailto:syang@ctseinc.com)

### C. Proposed Team

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

	(Check)			9. Firm Name	10. Address	11. Role in this Contract
	Prime	J-V Partner	Subcontractor			
a.	✓			<b>CTS Engineering, Inc.</b>	3230 West Commercial Blvd, Suite 220 Fort Lauderdale, FL 33309	General Civil/Environmental Engineering Land Surveying FDOT Roadway Engineering
b.			✓	AREHNA Engineering, Inc.	12296 Wiles Road Coral Springs, FL 33076	Geotechnical Services FDOT Roadway Engineering
c.			✓	ASA Consultants, Inc.	510 Shotgun Road, Suite 402 Sunrise, FL 33326	Structural Engineering FDOT Roadway Engineering
d.			✓	Chen Moore & Associates, Inc.	500 W Cypress Creek Rd, Suite 600 Fort Lauderdale, FL 33309	General Civil/Environmental Engineering Landscape Architecture Hydro-Geological Services FDOT Roadway Engineering
			✓	Hammond & Associates, Inc.	499 NW 70th Avenue, Suite 201 Plantation, Florida 33317	MEP Engineering Services
e.			✓	RK&K, LLP	701 Waterford Way, Suite 780, Miami, FL 33126	3.1 Minor Highway Design 3.2 Major Highway Design 10.1 Roadway Construction Engineering Inspection 10.3 Construction Materials Inspection
					402 S. Kentucky Avenue, Suite 400; Lakeland, FL 33801	3.1 Minor Highway Design 3.2 Major Highway Design
f.			✓	Saltz Michelson Architects, Inc.	3501 Griffin Rd, Fort Lauderdale, FL 33312	General Architectural Services

### D. ORGANIZATIONAL CHART OF PROPOSED TEAM

✓ ATTACHED



**CTS**  
Engineering

Eva Campello, P.E.  
Project Manager

**QA/QC OFFICER**

Danny Iglesias, P.E.

LEGEND			
<b>CTS</b>	CTS Engineering, Inc.	<b>HMD</b>	Hammond and Associates, Inc.
<b>AREHNA</b>	AREHNA Engineering, Inc.	<b>RK&amp;K</b>	RK&K, LLC
<b>ASA</b>	ASA Consulting, Inc.	<b>SMA</b>	Saltz Michelson Architects, Inc.
<b>CMA</b>	Chen Moore and Associates, Inc.	<b>%</b>	Key Staff Availability

**PROJECT MANAGEMENT**

Michael Melendez, P.E. (CTS) 100%  
 Danny Iglesias, P.E. (CTS) 100%  
 Sheng Yang, P.E, PTOE (CTS) 80%  
 Steve Hughes, P.E. (CTS) 80%

**MEP ENGINEERING**

Eric J. Hammond, P.E. (HMD) 100%  
 Donald Dixon, P.E. (HMD) 100%  
 Stephen Farquharson, LEED AP (HMD) 100%

**GEOTECHNICAL**

Angela Alba, P.E. (AREHNA) 100%  
 Jessica McRory, PE, LEED AP (AREHNA) 100%  
 Andy Tao, P.E. (AREHNA) 100%

**FDOT ROADWAY ENGINEERING**

Michael Melendez, P.E. (CTS) 100%  
 Steve Hughes, P.E. (CTS) 80%  
 Brent Lee Shue Ling, P.E. (CTS)  
 Peter Haliburton, CEng (CTS)  
 Sheng Yang, P.E, PTOE (CTS)  
 Maria Overton, P.E. (CTS)  
 Eva Campello, P.E. (CTS)  
 MarQuellus Bennett, P.E. (CTS)  
 Lissy La Paix Puello, P.E., PhD (CTS)  
 Ximena Agudelo, P.E. (CTS)  
 Leilamar Franzoi, P.E. (CTS)  
 Alejandro Gomez, P.E. (CTS)  
 Tyler Wallum, P.E. (CTS)  
 Carlos M. Rodriguez, P.E. (ASA) 100%  
 Cole Benjamin, P.E. (CMA) 100%  
 Brad Wilson, P.E. (CMA) 100%  
 Yulet Miguel, P.E. (CMA) 100%  
 Patrick Kaimrajh, P.E. (CMA)  
 Michael Buick, P.E. (CMA)  
 Sathvika Ramaji, P.E. (CMA)  
 Jason Lyle, P.E. (RK&K)  
 Joseph Baan, P.E. (RK&K)  
 Ryan Jensen, P.E. (RK&K)

**CIVIL & ENVIRONMENTAL ENGINEERING**

Michael Melendez, P.E. (CTS) 100%  
 Steve Hughes, P.E. (CTS) 80%  
 Brent Lee Shue Ling, P.E. (CTS)  
 Peter Haliburton, CEng (CTS)  
 Sheng Yang, P.E, PTOE (CTS)  
 Maria Overton, P.E. (CTS)  
 Eva Campello, P.E. (CTS)  
 MarQuellus Bennett, P.E. (CTS)  
 Tina Borello, P.E. (CTS)  
 Lissy La Paix Puello, P.E., PhD (CTS)  
 Ximena Agudelo, P.E. (CTS)  
 Leilamar Franzoi, P.E. (CTS)  
 Alejandro Gomez, P.E. (CTS)  
 Tyler Wallum, P.E. (CTS)  
 Miguel Hernandez (CTS)  
 Mark Cooper(CTS)  
 Carlos M. Rodriguez, P.E. (ASA) 100%  
 Yulet Miguel, P.E. (CMA) 100%  
 Gregory Mendez, P.E. (CMA)  
 Patrick Kaimrajh, P.E. (CMA)  
 Michael Buick, P.E. (CMA)  
 Brian Voelker, M.S., SPWS, C.A., CLI (CMA)  
 Sathvika Ramaji, P.E. (CMA)  
 Jason Lyle, P.E. (RK&K)  
 Joseph Baan, P.E. (RK&K)  
 Ryan Jensen, P.E. (RK&K)

**LAND SURVEYING**

Lis Tolstoy, PSM (CTS)  
 Paul Doll, PSM (CTS)  
 Pete Diaz, PSM (CTS)  
 Dennis Stanton (CTS)

**HYDRO-GEOLOGICAL**

MarQuellus Bennett, P.E. (CTS)  
 Tina Borello, P.E. (CTS)  
 David Cowan, Jr., P.E., ENV SP, LEED AP (CMA) 100%  
 Gregory Mendez, P.E. (CMA)  
 Patrick Kaimrajh, P.E. (CMA)  
 Sathvika Ramaji, P.E. (CMA)

**STRUCTURAL ENGINEERING**

Soheila Sadough, P.E. (ASA) 100%  
 Raul Amaya, P.E. (ASA) 100%  
 Gordon Houston, P.E. (ASA) 100%  
 Felix Cebrecos, MSCE (ASA) 100%

**LANDSCAPE ARCHITECTURE**

Brian Voelker, M.S., SPWS, C.A., CLI (CMA) 100%  
 Yulet Miguel, P.E. (CMA)

**GENERAL ARCHITECTURAL**

Charles Michelson, AIA (SMA)  
 Sheff Devier, AIA (SMA)  
 Maday Gutierrez, RA (SMA)

**CEI SUPPORT**

Pastor "Felipe" Gonzalez, P.E. (RK&K)  
 Angel Cano, P.E. (RK&K)  
 Gustavo Morris, P.E. (RK&K)  
 Erick Garcia (RK&K)  
 Joseph Poerio (RK&K)  
 Gilbert Luckie (RK&K)  
 Morris Williams (RK&K)  
 Norman Rhoden (RK&K)  
 Ryan Poerio (RK&K)  
 M. Patricia Ahumada (RK&K)

**E. Resumes of Key Personnel Proposed for this Contract**  
*(Complete one Section E for each key person.)*

12. NAME  <b>Michael Melendez, P.E.</b>	13. ROLE IN THIS CONTRACT  Project Manager	14. YEARS EXPERIENCE	
		a. Total	b. With Current Firm
		25	1
15. FIRM NAME AND LOCATION (City and State) CTS Engineering, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) B. Sc. in Civil Engineering University of Florida, 1996		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida P.E. # 58698, 2002	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Maintenance of Traffic (Advanced); Stormwater, Erosion, and Sedimentation Control Inspector. Certified Public Manager (Level 1 thru 4)			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
a.	<b>Interim Bicycle, Pedestrian, and Complete Streets Coordinator and In-house Support FDOT District 4, Office of Modal Development</b>	2022-Present	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if performed with current firm.	
	Responsible for Context Classification determinations, complete streets advocacy, master planning, advisory committees, design reviews, project management, Target Zero initiatives, walking/safety audits, and Vulnerable Road User analysis.		
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
b.	<b>Broadview Park Drainage Infrastructure Improvement Study and Master Plan</b>	2023-Present	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if performed with current firm.	
	The scope of work included survey, geotechnical testing, project management, stakeholder coordination, drainage analysis, cost estimating, public outreach, grant support, and technical reporting. Geotechnical data was used to develop a drainage model of the existing conditions. The project deliverables include survey data, geotechnical report, recommended alternatives, cost estimates, drainage models (existing and proposed conditions), interim/final drainage report, and public comments.		
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
b.	<b>Modal Support Contract, FDOT District 4</b>	2022-Present	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if performed with current firm.	
	In-House Consultant. Responsible to support the Office of Modal Development with various roles such as Interim Bicycle, Pedestrian and Complete Streets Coordinator as well as serving as primary point of contact for County's Intermodal Center project.		
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
c.	<b>SR A1A Resurfacing, Restoration, and Rehabilitation, FDOT District 4</b>	2013-2014	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if performed with current firm.	
	Project Manager and EOR. The project included the RRR of SR A1A from Oakland Park Boulevard to Palm Avenue. The project proposed lane repurposing to accommodate buffered bike lanes, while also ensuring the existing bus stops were preserved and improved. Included production of roadway, signing, and pavement marking plans. Other responsibilities included, but were not limited to team management, client coordination, public involvement, and utility coordination.		
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
d.	<b>Architecture &amp; Engineering (A/E) Services Broward County Transportation Department, Broward County</b>	2012-2014	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if performed with current firm.	
	Civil Engineering Lead and EOR. Responsible for working closely with the team architect to provide civil engineering services for the installation or replacement of bus shelters throughout Broward County. This involved civil engineering related tasks over multiple work orders, including but not limited to existing site assessments, project scoping, utility coordination, ADA compliance, custom shelter site integration, civil plans production, local agency permitting, bidding, construction support.		

**E. Resumes of Key Personnel Proposed for this Contract**  
(Complete one Section E for each key person.)

12. NAME <b>Danny Iglesias, P.E.</b>	13. ROLE IN THIS CONTRACT QA/QC Officer	14. YEARS EXPERIENCE	
		a. Total 39	b. With Current Firm 5
15. FIRM NAME AND LOCATION (City and State) CTS Engineering, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) B. Sc. in Civil Engineering University of Florida, Gainesville, Florida, 1980		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida P.E. # 37287, 1986 Florida Real Estate # 51287	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

**19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION (City and State) <b>Port of Miami Bridge, FDOT District 6.</b>	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. Responsible for managing all the design and permit process and agency coordination for the new Port of Miami Bridge from Biscayne Boulevard to Watson Island as well as the roadway expansion of Port Boulevard in Watson Island. This project was nominated and won the FHWA Excellence in Design Award.	<input checked="" type="checkbox"/> Check if performed with current firm.	
b.	(1) TITLE AND LOCATION (City and State) <b>Biscayne Boulevard/SR 5/U.S.1 Expansion Project, FDOT District 6.</b>	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. This project consisted of widening SR5/ U.S.1 From N.W. 87th avenue to N.W 215th avenue from a four-lane typical section to an eight-lane typical section. Responsible for managing all the design, permit process, utilities, right of way requirements. Coordinate all state, federal municipal and local agency activities. Coordinate all planning and traffic analysis services for all maintenance of traffic and coordinate all phase reviews within the district staff. This project won the FHWA Excellence in Design Award.	<input checked="" type="checkbox"/> Check if performed with current firm.	
b.	(1) TITLE AND LOCATION (City and State) <b>Districtwide Intersection Resurfacing and Improvement Project, FDOT District 6.</b>	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. Managed several Districtwide contracts involving resurfacing various roadways in Dade and Monroe County throughout Dade and Monroe Counties that involved both state and federal funding.	<input type="checkbox"/> Check if performed with current firm.	
c.	(1) TITLE AND LOCATION (City and State) <b>Local Agency Program (LAP) Administrator, FDOT District 6.</b>	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Administrator. Was responsible for managing the districts LAP program overseeing that FHWA funds allocated to the local Municipalities to incorporate in the agency's local enhancement project. Served as the responsible person in the District for Certifying the municipalities under the LAP guidelines. Certified over 30 municipalities making them eligible to spend the federal monies in their local enhancement project while providing oversight and monitoring their performance.	<input type="checkbox"/> Check if performed with current firm.	
d.	(1) TITLE AND LOCATION (City and State) <b>Districtwide Signalization Improvement Project, FDOT District 6.</b>	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. This project consisted of upgrading multiple intersections in Dade County from span wire to mast arms.	<input type="checkbox"/> Check if performed with current firm.	
e.	(1) TITLE AND LOCATION (City and State) <b>Port of Miami Tunnel Freight Study, FDOT District 6.</b>	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Q/C officer and District 6 liaison. Supports Project Manager in Data Collection, meeting coordination and liaison to state and local agencies. Overseas the QA/ QC peer review.	<input checked="" type="checkbox"/> Check if performed with current firm.	

**E. Resumes of Key Personnel Proposed for this Contract**  
(Complete one Section E for each key person.)

12. NAME <b>Sheng Yang, P.E., PTOE</b>	13. ROLE IN THIS CONTRACT Principle-In-Charge	14. YEARS EXPERIENCE	
		a. Total 22	b. With Current Firm 13
15. FIRM NAME AND LOCATION (City and State) CTS Engineering, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) MSCE; BSCE		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida P.E. # 64802, 2006	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) P.T.O.E.; ITE			

**19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION (City and State) <b>Transit and Multimodal Development Continuing Services; FDOT District 4</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. Performed transit, rail, freight, and multimodal system program administration and engineering support. Perform Districtwide grants (FTA, FRA, FHWA, and state) administration and application process for multimodal system. Performed safety and security review and vehicle inventory review for transit and rail system. Led the planning and engineering support for FEC/CSX Rail Crossing Delay Study, Hialeah Rail Yard Master Plan Scoping, Park & Ride Facility Planning, Engineering, and Design, High Crash Rail Crossing Safety Study and Design, Crossing Trespassing Design, Conceptual Design for Multimodal Development, Sample Road Multimodal Improvement Study, University Drive Alternative Analysis, and SR-7 South Transit Improvement Study.	Professional Services 2016-Present	Construction (If Applicable)
		<input checked="" type="checkbox"/> Check if performed with current firm.	
b.	(1) TITLE AND LOCATION (City and State) <b>Districtwide SIS Program Support, FDOT District 4.</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. Provided comprehensive planning and engineering services for FDOT District 4 Strategic Intermodal System (SIS). Lead the tasks of performing SIS facility LOS evaluation, developing SIS corridor action plan/master plan, Interchange access documents development and reviews (IJR/IMR/IOAR), SIS Cost Feasible Plan Development, LRTP development, DRI and Sub-DRI reviews, Comp Plan Review and growth management documentation reviews, ITS and other technology review for SIS operation improvements, SIS management database and program development, and concurrency and development plan reviews. Assist the Department in preparing and participating at public meetings, coordination with local governments.	Professional Services 2010-Present	Construction (If Applicable)
		<input checked="" type="checkbox"/> Check if performed with current firm.	
c.	(1) TITLE AND LOCATION (City and State) <b>Oakland Park Boulevard Alternative Analysis, FDOT District 4.</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager for traffic analysis. Provide planning and traffic analysis services for an Alternatives Analysis (AA) to investigate and evaluate premium transit improvements in the Oakland Park Boulevard corridor. Mr. Yang led the Team traffic data collection and analysis effort to identify a Locally Preferred Alternative (LPA) for the study corridor. He performed data collection for both traffic and transit along the corridor, studied traffic patterns and market using advanced Dynamic Traffic Assignment (DTA) tool, and conducted micro-simulation analysis for all 45 signalized intersections along the corridor using VISSIM tool.	Professional Services 2012-Present	Construction (If Applicable)
		<input checked="" type="checkbox"/> Check if performed with current firm.	
d.	(1) TITLE AND LOCATION (City and State) <b>Districtwide General Planning Consultant, FDOT District 4.</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. Provided planning and engineering services to supplement the Department's System Planning, Statistics and PD&E Staff. Assisted the Department in producing Design Traffic Report for PD&E studies, 18-Kip Reports, comprehensive GIS support, FSUTMS Model (SERPM and GTCRPM) Development and Application Support, Interchange access proposals and reviews (IJR/IMR/IOAR), Q/LOS Support, Traffic Analyses Review, Socioeconomic Data Development, Interchange Operation/Modification/Justification study and reviews, LRTP development, DRI and Sub-DRI reviews, growth management documentation reviews, and on-site Support.	Professional Services 2010-Present	Construction (If Applicable)
		<input checked="" type="checkbox"/> Check if performed with current firm.	



**E. Resumes of Key Personnel Proposed for this Contract**  
(Complete one Section E for each key person.)

12. NAME <b>Yongqiang Wu, P.E.</b>	13. ROLE IN THIS CONTRACT Senior Engineer I	14. YEARS EXPERIENCE	
		a. Total 24	b. With Current Firm 7
15. FIRM NAME AND LOCATION (City and State) CTS Engineering, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) MSCE; BSCE		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida P.E. # 64707, 2006	

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.	<b>Mobility Trends, Performance, Data and Analysis Consultant Services, FDOT Central Office</b>	2021-Present	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if performed with current firm.  Task Manger responsible for providing support to the Forecasting and Trends Office (FTO) in making demographic and travel pattern analyses and reporting the results needed to support the FDOT's work products and plans. Tasks also include evaluating the impacts of demographics on the state's transportation system, identifying future demographic data analysis needs, and transforming the data to simplify and automate analysis processes.		
b.	<b>General Planning Consultant Services for Systems Management Division, FDOT Central Office.</b>	2022-Present	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if performed with current firm.  Task Manger responsible for supporting the Department's SIO Systems Management section in the update of the 2019 FDOT Project Traffic Forecasting Handbook (PTFH), updating of the traffic analysis tools, along with developing a quick reference process to ensure consistent usage of the traffic forecasting tools to support district and consultant staff.		
c.	<b>Mobility Performance and Data Support Consultant, FDOT Forecasting and Trends Office.</b>	2016-Present	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if performed with current firm.  Task Manager responsible for conducting population and employment projections at city, county, and state level; analyzing worker commuting pattern between counties and urbanized areas; supporting statewide multimodal corridor planning studies; developing visualization tools to support travel demand analysis; and performing gap analysis for statewide trail network.		
d.	<b>Districtwide Demand Forecast Model Data Development, FDOT District 4.</b>	2010-2015	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if performed with current firm.  Project Manager responsible for a wide range of tasks involving data analysis, travel characteristics survey, model development and application support. Responsibilities included analysis of census and demographic data such as American Community Survey and Longitudinal Employee-Household Dynamics data (LEHD), local and national travel characteristics survey data, technical assistance to SERPM and GTCRPM model users.		
e.	<b>PortMiami Tunnel Freight Mobility Evaluation Study, FDOT District 6.</b>	2017-Present	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if performed with current firm.  Project Manager responsible for the development of modeling tool to monitor the operation of freight and passenger movement in and around PortMiami via the PortMiami Tunnel. Tasks involve stakeholders coordination, data collection and analysis, GIS mapping and visualization, macro- and micro-simulation model development, and economic and environmental analysis.		

**E. Resumes of Key Personnel Proposed for this Contract**  
(Complete one Section E for each key person.)

12. NAME <b>Phani Allu, P.E., PTOE, RSP2I</b>	13. ROLE IN THIS CONTRACT Senior Engineer I	14. YEARS EXPERIENCE	
		a. Total 22	b. With Current Firm 10
15. FIRM NAME AND LOCATION (City and State) CTS Engineering, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) M.S. in Civil Engineering, University of Connecticut, 2001 B. Tech, Civil Engineering, Indian Institute of Technology, 1999		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida P.E. # 68069, 2008 PTOE RSP2I	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

**19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION (City and State) <b>Districtwide Traffic Operations Safety Reviews and Studies, FDOT District 4</b>	(2) YEAR COMPLETED	
		Professional Services 2015-Present	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager and Lead Traffic Engineer responsible for traffic operational/safety studies and safety reviews that include crash analyses, intersection/corridor operational analyses, and field reviews to identify site-specific issues related to high crash study locations. Developed reports with recommendations to reduce the crash potential at the study locations. Some examples of completed assignments include safety study/lighting analysis for SR 25/US 27, I-95 in Palm Beach, Hallandale Beach Blvd, Forest Hill Blvd; 3R safety reviews for I-95, Broward Blvd, Sample Rd, and SR 5; safety studies on Sunrise Blvd, Griffin Rd, and Powerline Rd, pedestrian mid-block evaluation and safety assessment on Indiantown Road; road safety audit for Merrill Barber Bridge; pedestrian studies along Pembroke Rd, Oakland Park Blvd, and Lake Worth Rd.	<input checked="" type="checkbox"/> Check if performed with current firm.	
b.	(1) TITLE AND LOCATION (City and State) <b>Pedestrian/Bicycle Safety Studies, FDOT District 4.</b>	(2) YEAR COMPLETED	
		Professional Services 2013-2014	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead Traffic Engineer responsible for field reviews, and development of pedestrian and bicycle related recommendations for several roadway segments, intersections, and greenway crossings. Recommendations from the study included bike lanes, additional lighting, upgrading existing pedestrian features, and minor signing/pavement marking improvements. The studies also identified technology-oriented improvements such as blank-out signs (to alert turning motorists) and audio/visual feedback pushbuttons.	<input checked="" type="checkbox"/> Check if performed with current firm.	
c.	(1) TITLE AND LOCATION (City and State) <b>Districtwide Traffic Operations Access Management, FDOT District 4.</b>	(2) YEAR COMPLETED	
		Professional Services 2005-2013	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer for this work-order based contract. Responsible for numerous data collection, field reviews, operational analysis, development of access management plans, and development of final reports. Corridor settings ranged from built-up urban to rural areas, with study lengths ranging from one to five miles. Study steps included field reviews, traffic data collection, operational analysis, crash analysis, and presentations to the District Access Management Review Committee.	<input checked="" type="checkbox"/> Check if performed with current firm.	
d.	(1) TITLE AND LOCATION (City and State) <b>Districtwide Traffic Operations Safety Studies, FDOT District 6</b>	(2) YEAR COMPLETED	
		Professional Services 2017-2022	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager and Lead Traffic Engineer responsible for traffic operational/safety studies and safety reviews that included crash analyses, intersection/corridor operational analyses, and field reviews to identify site-specific issues related to high crash study locations. Developed reports with recommendations to reduce the crash potential at the study locations. Studies included Key West Crosswalks Evaluation, Alton Rd between NW 44 St and NW 47 St; ped studies on SR 9 and SR 944; CO identified ped priority corridor studies along NW 27 Ave and NW 103 St.	<input checked="" type="checkbox"/> Check if performed with current firm.	
e.	(1) TITLE AND LOCATION (City and State) <b>Districtwide Signal Retiming, FDOT District 6</b>	(2) YEAR COMPLETED	
		Professional Services 2018-2019	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager for performing signal retiming on several corridors ranging from 0.5 miles to 8 miles involving 60 traffic signals in Miami-Dade County. The tasks involved evaluating existing signal timing and proposing signal timing adjustments aimed at improving travel times and reducing delays. The corridors included SR 934 from NE 7th Ave to Abbott Ave, SR 922 from Broadview Blvd to Collins Ave, SR 925 from NW 8th St to NW 1st St, SR 112 from Alton Rd to Collins Ave, and SR 25 from SR 997 to SR 932.	<input checked="" type="checkbox"/> Check if performed with current firm.	



**E. Resumes of Key Personnel Proposed for this Contract**  
(Complete one Section E for each key person.)

12. NAME <b>Hui Zhao, P.E.</b>	13. ROLE IN THIS CONTRACT Senior Engineer I	14. YEARS EXPERIENCE	
		a. Total 17	b. With Current Firm 11
15. FIRM NAME AND LOCATION (City and State) CTS Engineering, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) M.S. in Civil Engineering, Florida International University, 2007		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida P.E. # 73916, 2012	
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.	<b>Countywide Intersection Improvements Prioritization Study, Broward County</b>	2022-Present	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead Traffic Engineer responsible for development of longlist and shortlist out of 1,461 signalized intersections to be included in the County's implementation plan. Developed the methodology to evaluate and prioritize all intersections using readily available safety, mobility, multimodal and socioeconomic data.	<input checked="" type="checkbox"/> Check if performed with current firm.	
b.	<b>Districtwide Traffic Operations Signal Retiming Support, FDOT District 4</b>	2019-2021	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Task Manager responsible for development and implementation of the new signal timing plans that enhance mobility on arterial roadways. Led the development of a thorough and repeatable methodology to identify and prioritize corridors for updated signal timing and prioritization matrix template including definitions, scoring and formulas, data collection and process for the prioritization matrix.	<input checked="" type="checkbox"/> Check if performed with current firm.	
c.	<b>Central Broward Transit Study, FDOT District 4</b>	2020-2021	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Task Manager responsible for traffic forecasting task. Developed the traffic projections for potential extensions of the future WAVE streetcar in downtown Fort Lauderdale to the intersection of Broward Blvd/SR 7. Included AADT projections by alternative using SERPM 8 and future peak hour turning movements utilizing TMTTool for 20 signalized intersections along Broward Blvd. between Broward Transit Terminal and SR 7.	<input checked="" type="checkbox"/> Check if performed with current firm.	
d.	<b>South Florida Commuter PNR Model Development, FDOT District 4</b>	2019-2020	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Task Manager for developing a transit specific commuter park-n-ride (PNR) model for FDOT District 4 and analyzing potential express bus short-term service plans which covers six counties in South Florida. Managed technical support and developed models in CUBE and ArcMap to merge networks, skim files, trip tables, transit line files, and TAZ shapefiles from SERPM8 and TCRPM5. Calibrated the model using the latest I-95 Express Bus on-board surveys and validated/tested with the newly proposed Express Bus routes. Prepared the User's Guide and Model Calibration and Validation Report.	<input checked="" type="checkbox"/> Check if performed with current firm.	
e.	<b>Districtwide Traffic Forecasting and Analysis Support, FDOT District 4</b>	2016-2019	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager responsible for professional planning and engineering services of traffic forecast and analysis to support the FDOT's projects of Planning, PD&E, Design, IAR, and Concept Development. Supervised traffic data collection, traffic forecast and capacity analysis, IAR development, conceptual design preparation, feasibility studies, and documentation reviews. Prepared/reviewed data collection and traffic forecasting/analysis as pre-work for PD&E studies and design projects. Prepared scope of services and negotiated fee estimate for job cost accounted work orders, coordinated with Design project managers for funding, schedule and deliverables, produced and reviewed project traffic and deliverables.	<input checked="" type="checkbox"/> Check if performed with current firm.	

**E. Resumes of Key Personnel Proposed for this Contract**  
(Complete one Section E for each key person.)

12. NAME <b>Suresh Allu, P.E.</b>	13. ROLE IN THIS CONTRACT Engineer I	14. YEARS EXPERIENCE	
		a. Total 16	b. With Current Firm 12
15. FIRM NAME AND LOCATION (City and State) CTS Engineering, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) M. Sc. in Civil Engineering, Florida International University, Miami, FL, 2003 B. Tech in Civil Engineering, Jawaharlal Nehru Technological University, 2001		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida P.E. # 85951, 2018	
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.	<b>Districtwide Traffic Operations and Safety Studies, FDOT District 6.</b>	2017-Present	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Included crash analyses, intersection/corridor operational analyses, and field reviews to identify site-specific issues related to high crash study locations. Assisted the FDOT on network screening using the Highway Safety Manual methodology for identification of top locations for each emphasis area in the Florida Strategic Highway Safety Plan. Conducted preliminary safety studies for several intersections identified under the Safe Strides 2 Zero program. Conducted pedestrian/bicycle assessment along pedestrian/bicycle priority corridors.	<input checked="" type="checkbox"/> Check if performed with current firm.	
b.	<b>Districtwide Traffic Operations Safety Review, FDOT District 4.</b>		
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Conducted several traffic operations, safety studies, and 3R safety reviews. Review of 200 crash reviews and responsible for crash analysis, intersection/corridor operational analysis, field reviews, developing reports with recommendations to reduce the crash potential at study locations. Some of the studies include qualitative assessment at SR 80 and Hatton Highway, safety study along SR 858 from SR 7 to SW 44 Avenue, 3R safety review along SR 704 from Tamarind Ave to Lakeview Ave.	<input checked="" type="checkbox"/> Check if performed with current firm.	
c.	<b>Districtwide SIS Program Support, FDOT District 4.</b>	2006-2009	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer. Districtwide contract for Strategic Intermodal System (SIS) connector studies that included multi-modal level of service analysis, safety analysis, and preparation of engineering reports. Conducted field reviews, crash data reviews, and LOS analyses using LOSPLAN and Synchro along SIS connectors and drafting reports for 23 SIS connectors located within Broward and Palm Beach Counties. Other tasks included preparing LOS maps, truck volume maps, FEC park-n-ride facilities and Amtrak station (potential locations) maps for all counties in District 4. Also, developed the SIS brochure for District 4 using ArcGIS.	<input checked="" type="checkbox"/> Check if performed with current firm.	
d.	<b>Districtwide GIS General Consultant, FDOT District 4.</b>	2007-2010	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer. Assisted in development of the Roadway Atlas using ArcGIS for all counties in District 4 for years 2007 through 2010. The compilation of Atlas included preparation of individual maps for each of the assigned series (LOS, SERPM/GTCRPM, SIS, and SHS) for all counties in District 4. The maps were published in Adobe Acrobat (PDF) format and Arc Publisher (PMF) format. The GIS data was also converted to Keyhole Markup Language (KML) files for graphically displaying the spatial data in the Google Earth application.	<input checked="" type="checkbox"/> Check if performed with current firm.	
e.	<b>Districtwide General Planning &amp; Environmental Support, FDOT District 4.</b>	2008-2012	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer. Responsible for creating maps for the US 27 Rail Corridor Feasibility Study using ArcGIS which included the existing rail alignment, 1920's planned FEC rail alignment and the proposed initial rail alternatives. Other tasks included review of traffic forecasts and LOS analyses for Kings Highway PD&E Study, traffic forecasts for Interchange Operational Analysis Report for I-95 at Lantana Road, and development of KML files to display the LOS and 2035 Cost Feasible Plans for District 4 Counties in the Google Earth application.	<input checked="" type="checkbox"/> Check if performed with current firm.	

**E. Resumes of Key Personnel Proposed for this Contract**  
(Complete one Section E for each key person.)

12. NAME <b>Lissy La Paix Puello, P.E., PhD</b>	13. ROLE IN THIS CONTRACT Senior Transportation Engineer	14. YEARS EXPERIENCE	
		a. Total 18	b. With Current Firm 1
15. FIRM NAME AND LOCATION (City and State) CTS Engineering, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) Ph.D., Civil Engineering Transportation		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida P.E. # 92210, 2021	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

**19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>Resurfacing, Restoration and Rehabilitation of SR-5/US-1 from NE 17th way to NE 33rd CT, FDOT District 4</b>	Professional Services	Construction (If Applicable)
2021-2023			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if performed with current firm.			
Engineer of Record. The scope included milling and resurfacing the existing pavement and regrading the curb return to avoid ponding at NE corner of NE 19th St. Upgraded existing pedestrian curb ramps, installed detectable warning surfaces at substandard sidewalk extensions and where sidewalk crosses commercial driveways with stop signs or traffic signals to meet ADA standards. Upgraded pedestrian signal heads to countdown type and install new pedestrian signals, pedestals, and push buttons at all signalized intersections. Implemented LED lighting retrofits and installed new light poles as needed at all intersections and signal locations. Replaced pull boxes (traffic signal and lighting) impacted by the reconstruction of sidewalk at pedestrian ramps.			
b.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>St. Lucie Gatlin Blvd I-95, FDOT District 4.</b>	Professional Services	Construction (If Applicable)
2021-2022			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if performed with current firm.			
Engineer of Record. This project involves the design of Dynamic Curve Warning System (DCWS), a Road Weather Information System, Dynamic Message System (DMS) and a CCTV camera. The design included a preparation of a concept of operations report according to the FDOT guidelines, concept layout, estimation of quantities, and final plans of each subsystem and connectivity to existing systems. Selection of systems requirements and analysis of alternatives is included. Major challenges include the design of an integrated system available 24/7 under high serviceability scenarios.			
c.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>SR 100 Safety Improvements from Belle Terre to Old Kings, District 5</b>	Professional Services	Construction (If Applicable)
2022-2023			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if performed with current firm.			
Engineer of Record. This project involves pavement restoration, milling and resurfacing with the interaction of several roadway elements such as signalization, lighting and ITS. The following was accomplished: analysis of traffic improvements and signalization, pedestrian improvements, smart signal design, ITS wrong way driving detection system, safety improvements on roadway lighting and smart signal detection, including intersection movement counts.			
d.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>SR 9/I-95 Various Interchange Improvement Locations, St. Lucie and Palm Beach Counties, FDOT District 4.</b>	Professional Services	Construction (If Applicable)
2020-2022			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if performed with current firm.			
Intelligent Transport Systems for various interchange improvements for roadway, lighting, signing, and pavement marking, signalization and intelligent transportation systems (ITS) design. Dr. La Paix is the ITS Engineer of Record for wrong way vehicle detection system (WWVDS) at system off ramps on I-95/Belvedere Blvd. and I-95/Midway Blvd. interchanges. Design requirements for the WWDS included fiber optic communications design and power connectivity for integration with the FDOT District 4 Transportation Management Center (TMC).			
e.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>SR 520 - Cox Road to Varr Ave. and Aurora to Hubert Humphrey Causeway, Brevard County, FDOT District 5</b>	Professional Services	Construction (If Applicable)
2021-2023			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if performed with current firm.			
Engineer of Record. This project involved design for access management and asphalt pavement rehabilitation involving roadway, lighting, signing, and pavement marking and signalization. Dr. La Paix was the Engineer of Record for signalization improvements, signalized intersection replacement, pedestrian signal detection, traffic signal traffic controller upgrade to support Automated Traffic Signal Performance Measures (ATSPM) and connected vehicle (CV) readiness. She was also responsible for signalized intersection lighting design and ITS coordination.			

**E. Resumes of Key Personnel Proposed for this Contract**  
(Complete one Section E for each key person.)

12. NAME <b>Steve Hughes, P.E.</b>	13. ROLE IN THIS CONTRACT Senior Engineer I	14. YEARS EXPERIENCE	
		a. Total 22	b. With Current Firm 10
15. FIRM NAME AND LOCATION (City and State) CTS Engineering, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) Bachelor of Science in Civil Engineering, University of Florida, 2001		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida P.E. # 64740, 2006 Georgia P.E. # 048976, 2022	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Advance MOT Certification; FDOT Supervisor Academy; FDOT Management Academy; FDOT Specifications Training; 3D Modeling Roadway Design - FDOT			

**19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION (City and State) <b>Continuing Services Minor Project Design, FDOT District 4.</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager and Engineer of Record. Contract includes supporting the District 4 Design Office with comprehensive design services to produce construction contract plans for a variety of projects. Typical projects include RRRs, Safety Improvements, Corridor Lighting, Bridge Rehabilitations, and Off-System Mobility Projects. All project plan sets are developed in CADD utilizing 3D modeling and include utility designates, test holes, utility coordination, and utility relocations. Primary responsibilities include serving as Engineer of Record on various individual task work orders, utility coordination, and quality control reviews of all construction plans, calculations, and technical aspects of the project.	Professional Services 2020-Present	Construction (If Applicable)
		<input checked="" type="checkbox"/> Check if performed with current firm.	
b.	(1) TITLE AND LOCATION (City and State) <b>US-27 Safety Projects, FDOT District 4.</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager and Engineer of Record. Project includes safety improvements along US-27 in Broward County from just N of I-75 to the Broward/Palm Beach County line. Improvements include shoulder widening, auxiliary lanes, internally illuminated RPM's, ITS enhancements, and other signing and pavement marking enhancements. The project also included SFWMD and USACE permitting, wetland mitigation, utility coordination, and drainage modifications.	Professional Services 2018-Present	Construction (If Applicable)
		<input checked="" type="checkbox"/> Check if performed with current firm.	
c.	(1) TITLE AND LOCATION (City and State) <b>SR-80 Lighting, FDOT District 4.</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior Utility Coordinator and Survey/SUE Oversight. Project included 18 miles of continuous lighting along SR-80 from SR-15 to CR-880. CTS' role included survey, designates/test holes throughout the corridor limits, and utility coordination. Primary responsibilities included utility coordination and clearance of conflicts with ten utility agencies.	Professional Services 2021-2023	Construction (If Applicable)
		<input checked="" type="checkbox"/> Check if performed with current firm.	
d.	(1) TITLE AND LOCATION (City and State) <b>Hollywood/Pines Blvd. Multimodal Corridor Study, FDOT District 4.</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager/Senior Engineer. Task included analysis and cost estimates for numerous corridor improvements including bike lanes, sidewalk, bus stops and shelters as recommended by the Broward MPO. The improvements were packaged for final design and construction by FDOT.	Professional Services 2014-2015	Construction (If Applicable)
		<input checked="" type="checkbox"/> Check if performed with current firm.	
d.	(1) TITLE AND LOCATION (City and State) <b>Oakland Park Blvd. and NW 94th Ave, Broward County HCED</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager/Engineer of Record. Project included four new mast arms, upgraded pedestrian features (including curb ramps), milling & resurfacing of the intersection, overbuild for ponding removal, and enhanced signing & pavement markings.	Professional Services 2019-2021	Construction (If Applicable)
		<input checked="" type="checkbox"/> Check if performed with current firm.	

**E. Resumes of Key Personnel Proposed for this Contract**  
(Complete one Section E for each key person.)

12. NAME <b>Brent Lee Shue Ling, P.E.</b>	13. ROLE IN THIS CONTRACT Senior Engineer I	14. YEARS EXPERIENCE	
		a. Total 18	b. With Current Firm 5
15. FIRM NAME AND LOCATION (City and State) CTS Engineering, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) B.E. in Civil Engineering, Magna Cum Laude The City College of New York, 2005		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida P.E. # 71453, 5010	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Advance MOT Certification; FDOT Supervisor Academy; FDOT Management Academy; FDOT Leadership Academy			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
a.	<b>Continuing Services Minor Project Design, FDOT District 4.</b>	2020-Present	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager and Engineer of Record. Contract includes supporting the District 4 Design Office with comprehensive design services to produce construction contract plans for a variety of projects. Typical projects include RRRs, Safety Improvements, Corridor Lighting, Bridge Rehabilitations, and Off-System Mobility Projects. All project plan sets are developed in CADD utilizing 3D modeling and include utility designates, test holes, utility coordination, and utility relocations. Primary responsibilities include serving as Engineer of Record on various individual task work orders, utility coordination, and quality control reviews of all construction plans, calculations, and technical aspects of the project.	<input checked="" type="checkbox"/> Check if performed with current firm.	
b.	<b>SR-7 Mobility &amp; Transit Improvements, FDOT District 4.</b>	2015-2018	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager and Engineer of Record FDOT In-House Section 2. These adjacent projects installed enhancements along a 12.5 mile stretch of SR-7 from Commercial Blvd. in Broward County to Glades Road in Palm Beach County. Enhancements included widening for buffered bike lanes, shared use paths and sidewalks, bus stop amenities, signalization upgrades to detection/communication, and lighting retrofits. Primary responsibilities included Project Manager and Engineer of Record for Roadway and Signing & Marking Plans.	<input type="checkbox"/> Check if performed with current firm.	
c.	<b>Miramar Blvd. Park and Ride Lot, FDOT District 4.</b>	2015-2018	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. This project proposed the redevelopment of an 18 acre site to construct of a new park and ride lot within the City of Miramar in Palm Beach County. The park and ride lot included over 480 parking spaces, bus shelter area, lighting, landscaping, fire hydrant system and automatic gated entry/exit for buses. The project involved right of way transfers, and extensive coordination with Broward County, the City of Miramar, FPL, and adjacent business owners. Primary responsibilities included Project Manager and Engineer of Record for Roadway and Signing & Marking Plans.	<input type="checkbox"/> Check if performed with current firm.	
d.	<b>Old Dixie Highway Complete Streets (FPID 432949-1), FDOT District 4.</b>	2015-2018	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager and Engineer of Record FDOT In-House Section 2. This project introduced several traffic calming and complete street features to a local neighborhood road along Old Dixie Hwy. between NE 13th Street and the Bridge over Middle River within the City of Fort Lauderdale, FL (0.8 miles). The features designed and installed in this project included mid-block raised crosswalks, raised intersections, a roundabout, horizontal curve realignment, green bike lanes, sidewalks, pedestrian lighting, bio-swales, landscaping and neighborhood monuments. Primary responsibilities included Project Manager and Engineer of Record for Roadway and Signing & Marking Plans.	<input checked="" type="checkbox"/> Check if performed with current firm.	



**E. Resumes of Key Personnel Proposed for this Contract**  
(Complete one Section E for each key person.)

12. NAME <b>Eva Campello, P.E.</b>	13. ROLE IN THIS CONTRACT Engineer II	14. YEARS EXPERIENCE	
		a. Total 16	b. With Current Firm 9
15. FIRM NAME AND LOCATION (City and State) CTS Engineering, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) Bachelor of Science in Civil Engineering, Florida Atlantic University, 2007		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida P.E. # 78516, 2015	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Advanced MOT Certification, AGi32 Certification, FDOT Supervisor Academy, Certified Public Manager Levels 1-3.			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
a.	<b>SR-25 (US-27) Shoulder Widening and Auxiliary Lane, FDOT District 4.</b>	2018-Present	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead Engineer. Project involved the addition of inside/outside shoulder from north of the I-75 Interchange to Broward/Palm Beach County Line (13 miles) Line in Broward County, FL; addition/extension of auxiliary lanes to improve access to two boat ramps; and installations of internally illuminated raised pavement markings (IIRPMs). Primary responsibilities include Lead Design Engineer for Roadway Plans.	<input checked="" type="checkbox"/> Check if performed with current firm.	
b.	<b>I-95 Safety, FDOT District 4.</b>	2017-Present	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead Engineer. Project includes new lighting from SR-706 interchange to the CR-708 interchange. Project also includes extension of the northbound inside general-purpose lane, extension of the SR-706 exit ramps, advanced guide signs, and curve warning signs. Primary responsibilities include Roadway and Signing & Pavement Marking Plans.	<input checked="" type="checkbox"/> Check if performed with current firm.	
c.	<b>Districtwide SIS Program Support, FDOT District 4.</b>	2014-2018	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead Engineer. Provide comprehensive planning and engineering services to FDOT District 4 Strategic Intermodal System (SIS). Lead the tasks of performing project needs identification, concept development feasibility, design plans, cost estimates, field reviews, and permit connection reviews on SIS corridors. As part of the contract, Ms. Campello recently assisted FDOT with plans and estimate for: SR-80 at Lyons Road, SR-838/Sunrise Blvd. at US-1 roundabout design, and Hollywood Blvd./Pines Blvd Corridor Study.	<input checked="" type="checkbox"/> Check if performed with current firm.	
d.	<b>NW 19th Street Bike Lanes, FDOT District 4.</b>	2014-2017	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead Engineer. Project includes widening, restriping, and/or repurposing of the outside through lanes to create 4' bike lanes. Initial tasks required close coordination with the Broward MPO, FDOT, County, and City staff to finalize the project scope. Project also includes milling & resurfacing, ADA upgrades (including curb ramps, sidewalk, bus stop locations, and a bus shelter relocation and pad replacement), enhanced signing & pavement markings, signalization, lighting retrofits, and drainage improvements.	<input checked="" type="checkbox"/> Check if performed with current firm.	
d.	<b>SR-932/NW 103rd Street RRR and Safety, FDOT District 6.</b>	2019-Present	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead Engineer. Project includes milling and resurfacing, minor widening, and signalization/signing improvements to enhance traffic maneuvers. Project also includes ADA upgrades (including curb ramps, sidewalk, and bus stop locations), enhanced signing & pavement markings, and drainage improvements. Primary responsibilities include Lead Design Engineer for Roadway Plans.	<input checked="" type="checkbox"/> Check if performed with current firm.	

**E. Resumes of Key Personnel Proposed for this Contract**  
(Complete one Section E for each key person.)

12. NAME <b>MarQuellus Bennett, P.E.</b>	13. ROLE IN THIS CONTRACT Engineer II - Drainage	14. YEARS EXPERIENCE	
		a. Total 13	b. With Current Firm 7
15. FIRM NAME AND LOCATION (City and State) CTS Engineering, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) BSCE, MBA		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida P.E. # 77954, 2014	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Maintenance of Traffic (Advanced); Stormwater, Erosion, and Sedimentation Control Inspector. Certified Public Manager (Level 1 thru 4)			

**19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION (City and State) <b>SR-817 (University Drive) RRR &amp; Sidewalk Widening Project (FPID 443597-2), FDOT District 4.</b>	(2) YEAR COMPLETED	
		Professional Services 2022-Present	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE This project included the redesign of drainage swales, hydrologic analysis, hydraulic analysis, and Environmental Permitting. Utilized 3D Modeling software to develop and analyze the terrain model of the proposed RRR design and sidewalk widening. In addition, analyzed and designed modifications to drainage system, developed drainage maps, drainage report, storm sewer system models, and completed environmental permitting with CBWCD.	<input checked="" type="checkbox"/> Check if performed with current firm.	
b.	(1) TITLE AND LOCATION (City and State) <b>Broadview Park Drainage Infrastructure Improvement Study and Master Plan</b>	(2) YEAR COMPLETED	
		Professional Services 2023-Present	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The scope of work included survey, geotechnical testing, project management, stakeholder coordination, drainage analysis, cost estimating, public outreach, grant support, and technical reporting. Geotechnical data was used to develop a drainage model of the existing conditions. The project deliverables include survey data, geotechnical report, recommended alternatives, cost estimates, drainage models (existing and proposed conditions), interim/final drainage report, and public comments.	<input checked="" type="checkbox"/> Check if performed with current firm.	
c.	(1) TITLE AND LOCATION (City and State) <b>SR-729 (State Market Road) RRR &amp; Shoulder Widening Project (FPID 446105-1), FDOT District 4.</b>	(2) YEAR COMPLETED	
		Professional Services 2021-Present	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead Design Engineer and Drainage Engineer of Record. Project involved milling and resurfacing and shoulder widening along SR-729 in Palm Beach County. This project also included the design of drainage ditches, hydrologic analysis, and Environmental Permitting. Utilized 3D Modeling software to analyze and develop a model of the proposed RRR design and shoulder widening. In addition, analyzed and designed modifications to drainage system, developed drainage maps, drainage report, storm sewer system models, and permitted with EBWCD.	<input checked="" type="checkbox"/> Check if performed with current firm.	
d.	(1) TITLE AND LOCATION (City and State) <b>SR-5 (US-1) RRR &amp; Sidewalks Project (FPID 446107-1), FDOT District 4.</b>	(2) YEAR COMPLETED	
		Professional Services 2020-Present	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Drainage Engineer of Record. Project involved milling and resurfacing and the addition of missing sidewalk gaps along SR-5 in Indian River County. This project included the redesign of drainage swales, hydrologic analysis, hydraulic analysis, and Environmental Permitting. Utilized 3D Modeling software to analyze and design modifications to drainage system, developed drainage maps, drainage structure sheets, drainage report, storm sewer system models, and coordinated environmental permitting with SJWMD.	<input checked="" type="checkbox"/> Check if performed with current firm.	
e.	(1) TITLE AND LOCATION (City and State) <b>SR-25 (US-27) Shoulder Widening and Auxiliary Lane (FPID 439939-1[Lead FM]), FDOT District 4.</b>	(2) YEAR COMPLETED	
		Professional Services 2018-Present	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Drainage Engineer of Record. Project involved the addition of inside/outside shoulder, the addition/extension of auxiliary lanes and the redesign 30 median drainage ditches for 13 miles south of the Broward/Palm Beach County Line in Broward County, FL. This project included the design of drainage median ditches, hydrologic analysis, hydraulic analysis, and Environmental Permitting. Served as the Drainage Engineer of Record. Analyzed and designed drainage system, drainage maps, drainage structure sheets, drainage report, storm sewer system model, water quality calculations, and environmental permitting with SFWMD.	<input checked="" type="checkbox"/> Check if performed with current firm.	



**E. Resumes of Key Personnel Proposed for this Contract**  
(Complete one Section E for each key person.)

12. NAME  <b>Christina Borello, P.E.</b>	13. ROLE IN THIS CONTRACT  Engineer II - Drainage	14. YEARS EXPERIENCE	
		a. Total	b. With Current Firm
		14	6
15. FIRM NAME AND LOCATION (City and State) CTS Engineering, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) Bachelor of Science in Civil Engineering, University of Florida, 2009		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida P.E. # 76393, 2013	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Advanced MOT Certification, FDEP Stormwater Erosion and Sedimentation Control Inspector Training, Certificate in Supervisory Management, Certified Public Manager, ICPR Training, HEC-RAS Training.			

**19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION (City and State) <b>Broadview Park Drainage Infrastructure Improvement Study and Master Plan</b>	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
		2023-Present	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if performed with current firm.	
	Scope included survey, geotechnical testing, project management, stakeholder coordination, drainage analysis, cost estimating, public outreach, grant support, and technical reporting. Geotechnical data was used to develop a drainage model of the existing conditions. Deliverables include survey data, geotechnical report, recommended alternatives, cost estimates, drainage models (existing & proposed conditions), interim/final drainage report, and public comments.		
b.	(1) TITLE AND LOCATION (City and State) <b>I-95 Express Lanes Phase 3 Corridor Design Consultant, FDOT District 4.</b>	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
		Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if performed with current firm.	
	Drainage Reviewer. The drainage related responsibility as CDC is to provide design-build procurement support and serve as the Owner's Representative (FDOT) tasked with providing drainage and environmental permitting support during final design and construction by design-build firm. Primary responsibilities included providing technical reviews of Extended Letters of Interest, Alternative Technical Concept submittals review, and technical proposals reviews during procurement, and providing plans reviews for drainage and permitting related submittals, review of Cost Savings Initiatives, and post-design drainage related plans and calculation reviews during design and construction.		
c.	(1) TITLE AND LOCATION (City and State) <b>Eisenhower Boulevard Capacity Improvements Project, Broward County.</b>	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
		2020-2022	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if performed with current firm.	
	Drainage Engineer. Included widening, resurfacing, sidewalk construction, gravity wall construction, signalization improvements, structural mast arms, drainage, heavy utility coordination, geotechnical engineering, permitting, etc. Primary responsibilities included development of land use tables, water quality calculations, French drain design, trench drain design and spread calculations. For the plans production, responsibilities included development of the pre and post development drainage maps, drainage plans, drainage structure sheets, and drainage special detail sheets.		
d.	(1) TITLE AND LOCATION (City and State) <b>SR 826/Palmetto Expressway PD&amp;E Study, FDOT District 6.</b>	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
		2019-2022	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if performed with current firm.	
	Drainage Engineer and Reviewer. This was a PD&E study for design and construction of SR 826 Express Lanes from SR 836 to US 1. Primary responsibilities as part of the drainage team included development of the preliminary drainage analysis, including land use tables, water quality and quantity calculations, ICPR analysis, French drain design and treatment calculations, and organization of as-built and existing permit reference data, production of post development drainage maps, and ICPR node-link diagrams for Systems 4 and 5 of the project. Regarding internal drainage QC, responsibilities included reviewing the drainage analysis as listed above, pre and post development drainage maps and ICPR node-link diagrams for the re-evaluation design changes for Systems 1-16.		

**E. Resumes of Key Personnel Proposed for this Contract**  
(Complete one Section E for each key person.)

12. NAME <b>Alejandro Gomez, P.E.</b>	13. ROLE IN THIS CONTRACT Engineer II	14. YEARS EXPERIENCE	
		a. Total 17	b. With Current Firm 6
15. FIRM NAME AND LOCATION (City and State) CTS Engineering, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) Polytechnic University of Puerto Rico, Bachelor of Science, Civil Engineering, 2006		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida P.E. # 78353, 2014	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

**19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION (City and State) <b>In-House Consultant, Project Development/Scoping Unit, FDOT District 6</b>	(2) YEAR COMPLETED	
		Professional Services Ongoing	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Managed QA/QC reviews related to the project development process including Project Development & Environment (PD&E) submittals during PD&E phase, RRR scoping reports and Miami-Dade Expressway Authority (MDX) PD&E study submittals.	<input checked="" type="checkbox"/> Check if performed with current firm.	
b.	(1) TITLE AND LOCATION (City and State) <b>DW Traffic Engineering Studies &amp; Engineering Reviews, FDOT District 6</b>	(2) YEAR COMPLETED	
		Professional Services 2016-Present	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer responsible for conducting engineering reviews of various permits, studies, and analyses related to utilities, landscape, MOT (Maintenance of Traffic), traffic, PD&E (Project Development and Environment), SMART (Strategic Miami Area Rapid Transit) plan, safety, pedestrian, and intersection/arterial analyses. These reviews are done through the Florida Department of Transportation's (FDOT) One Stop Permitting (OSP) and Electronic Review Comments (ERC) interfaces.	<input checked="" type="checkbox"/> Check if performed with current firm.	
c.	(1) TITLE AND LOCATION (City and State) <b>Districtwide Traffic Operations Safety Studies, FDOT District 6.</b>	(2) YEAR COMPLETED	
		Professional Services 2017-2022	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer. Conducted field reviews to identify specific issues at high-crash study locations is a crucial task that requires a keen eye for detail, thorough analysis, and effective communication skills. As part of Mr. Gomez's role, he conducted comprehensive field reviews at designated high-crash study locations to assess road safety conditions and identify potential issues contributing to accidents or crashes. He was responsible for physically visiting and inspecting the study locations, such as intersections, highways, or road segments, to gather data on various aspects, including roadway design, signage, pavement condition, sight distance, traffic flow, and pedestrian facilities. He applied a systematic approach to identify specific issues or deficiencies that may pose a risk to road users, such as inadequate signage, poor visibility, conflicting traffic movements, non-compliant infrastructure, or other safety hazards. Mr. Gomez documented his findings, including photographs, sketches, and measurements, and compiled comprehensive reports with detailed analysis and recommendations for improvement. He collaborated with other stakeholders, such as the FDOT traffic engineers, to gather additional information and insights on the high-crash study locations.	<input checked="" type="checkbox"/> Check if performed with current firm.	
d.	(1) TITLE AND LOCATION (City and State) <b>Project Development/Scoping Unit, FDOT District 6.</b>	(2) YEAR COMPLETED	
		Professional Services 2010-Present	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Developed 2021 Ramps Pavement Condition Survey (RPCS) intended to supplement the annual survey performed by the Department's State Materials Office (SMO), which evaluates the condition of the State's "Active on the SHS" roadways. Both studies are critical to the Department for assessing future rehabilitation requirements. Mr. Gomez was responsible for examining deficient and prone to be deficient ramp pavement segments to be recommended into scoping and that are currently not included into the adopted Five-Year Work Program.	<input checked="" type="checkbox"/> Check if performed with current firm.	

**E. Resumes of Key Personnel Proposed for this Contract**  
(Complete one Section E for each key person.)

12. NAME  <b>Lis R. Tolstoy, PSM</b>	13. ROLE IN THIS CONTRACT  SUR Senior Surveyor I	14. YEARS EXPERIENCE	
		a. Total	b. With Current Firm
		27	2
15. FIRM NAME AND LOCATION (City and State) CTS Engineering, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) BS, Land Surveying Engineering UDELAR University, Uruguay		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Surveyor & Mapper, Florida PSM #6759, 2009	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

**19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION (City and State) <b>Continuing Services for Surveying, Mapping and SUE, FDOT District 4.</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. The services provided included LIDAR, field surveys, historical baseline and existing right-of-way determination, GPS Surveys, topographic surveys and DTM, general land and aerial photography survey support, monumentation surveys, bathymetric surveys, utility designation and excavation including GIS files, tree surveys, maintenance of traffic, right-of-way control survey maps, right-of-way maps, maintenance maps, right-of-way monumentation maps, boundary surveys, quality assurance reviews, title search plotting maps, sketches, parcel staking, and legal descriptions.	Professional Services	Construction (If Applicable)
		2018-2021	
		<input type="checkbox"/> Check if performed with current firm.	
b.	(1) TITLE AND LOCATION (City and State) <b>DW Construction Engineering Inspection Consultant Surveys, FDOT District 6.</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior Project Surveyor. The purpose of this multi-task CEI contract was to provide services to verify both existing pre-construction and post-construction conditions, to ensure design criteria was met by the contractors. As a Prime consultant, F.R. Aleman provided survey and mapping support to the District. This task work order contract involved field surveys for construction projects, including re-establishment of survey baselines, control points, benchmarks, drainage surveys and bridge data, original and final cross-sections, and mast arm bearings, among other scopes.	Professional Services	Construction (If Applicable)
		2017-Present	
		<input type="checkbox"/> Check if performed with current firm.	
c.	(1) TITLE AND LOCATION (City and State) <b>Mobility Improvements at Dykes Road; 196th Avenue &amp; NW 10th Street, FDOT District 4.</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior Surveyor. The project consisted of 6 miles of milling, resurfacing, and restriping two existing 12-foot lanes and 4-foot paved shoulder to provide two 11-foot lanes and a 4-foot bike lane (with 2-foot buffer) in both directions along an off-system road. The project also consisted of providing appropriate signing according to MUTCD. Services provided were Horizontal & Vertical control, XYZ for 140 aerial targets, 3D Topographic and DTM along obscure areas, cross sections check, collect drainage structures, RW and Baseline analysis, 45 VVHs including the verified utility table.	Professional Services	Construction (If Applicable)
		2019-2021	
		<input type="checkbox"/> Check if performed with current firm.	
d.	(1) TITLE AND LOCATION (City and State) <b>Design Services for SR 15 from S of Morgan Road to S of Shirley Drive Project, FDOT District 4.</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Right-of-Way Specialist/ Survey Leader. Ms. Tolstoy served as the Right-of-Way Specialist and Survey Leader for this complete design survey that combined ground survey with aerial photography. Survey included recovering the historical baseline and determining the right-of-way lines along the entire corridor. 35 Vacuum Excavation Test Holes (VVHs) were performed to confirm the Horizontal and Vertical Locations of underground utilities in conflict with proposed improvements in Pahokee, Palm Beach County	Professional Services	Construction (If Applicable)
		2017-2018	
		<input type="checkbox"/> Check if performed with current firm.	
d.	(1) TITLE AND LOCATION (City and State) <b>Broward Mobility Project, Miramar/Hollywood, FDOT District 4.</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Right-of-Way Specialist and Survey Leader. Ms. Tolstoy served as the Right-of-Way Specialist and Survey Leader for this 6-mile design project providing ground survey support, including obtaining right-of-way lines for two corridors. The scope included establishing horizontal and vertical control, re-establishing the historical baseline of survey, preparing PNC sheets, providing ground survey for the topographic/DTM survey, and providing underground utility survey.	Professional Services	Construction (If Applicable)
		2017-2018	
		<input type="checkbox"/> Check if performed with current firm.	

**E. Resumes of Key Personnel Proposed for this Contract**  
(Complete one Section E for each key person.)

12. NAME <b>Paul Doll, PSM</b>	13. ROLE IN THIS CONTRACT SUR Senior Surveyor I	14. YEARS EXPERIENCE	
		a. Total 32	b. With Current Firm 2
15. FIRM NAME AND LOCATION (City and State) CTS Engineering, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) Northmont High School, Clayton, OH High School Diploma, 1982		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Surveyor & Mapper, Florida, PSM #6726, 2009	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Florida Surveying & Mapping Society			

**19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION (City and State) <b>Design Survey for street lighting SR-80 from SR 15 to CR 880 18 Miles, FDOT District 4</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Design Survey. The scope of work included to provide the required equipment, tools, and survey crews to perform horizontal and vertical control, alignment and existing right of way lines, fixed wing targets, cross section every 500 ft. utility designates and test holes.	Professional Services 2021-Present	Construction (If Applicable)
		<input checked="" type="checkbox"/> Check if performed with current firm.	
b.	(1) TITLE AND LOCATION (City and State) <b>Design Survey for RRR project SR-804/Boynton Beach from SR 7 to Lyons Road, FDOT District 4</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Design Survey. The scope of work included to provide the required equipment, tools, and survey crews to perform horizontal and vertical control, alignment and existing right of way lines, terrestrial mobile lidar targets, topography/DTM for 1000 ft. west of the project and obscure areas, and cross sections.	Professional Services 2022-Present	Construction (If Applicable)
		<input checked="" type="checkbox"/> Check if performed with current firm.	
c.	(1) TITLE AND LOCATION (City and State) <b>Design Survey and SUE for RRR project SR-794/Yamato Road from E of SR-9/ I-95 to SR-5/US-1, FDOT District 4</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Full Design Survey. The scope of work included to provide the required equipment, tools, SUE and survey crews to perform horizontal and vertical control, alignment and existing right of way lines, terrestrial mobile lidar targets, topography/DTM for obscure areas and ground shoots 5 ft. beyond right of way, cross sections, drainage survey and utility designates (Quality Level B) for 19 utility lines at 8 mast arm locations and 8 proposed light pole locations.	Professional Services 2022-Present	Construction (If Applicable)
		<input checked="" type="checkbox"/> Check if performed with current firm.	
d.	(1) TITLE AND LOCATION (City and State) <b>SR-7 RRR, FDOT District 4</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Project Manager, FDOT District 4 Survey Department. The project included the RRR of SR-7 from just north of Clint Moore Road to Atlantic Avenue in Palm Beach County, FL (2.4 miles). The survey work was performed by FDOT survey crews under my direction.	Professional Services 2015-2016	Construction (If Applicable)
		<input type="checkbox"/> Check if performed with current firm.	
e.	(1) TITLE AND LOCATION (City and State) <b>SR-A1A Washout Reconstruction, FDOT District 4</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Project Manager, FDOT District 4 Survey Department. This project permanently repaired a storm damaged section of SR A1A from Sunrise Blvd. to NE 18th Street in the City of Fort Lauderdale, FL. The survey work was performed by FDOT survey crews under my direction.	Professional Services 2013	Construction (If Applicable)
		<input type="checkbox"/> Check if performed with current firm.	

**E. Resumes of Key Personnel Proposed for this Contract**  
(Complete one Section E for each key person.)

12. NAME  <b>Pete Diaz, PSM</b>	13. ROLE IN THIS CONTRACT  Survey Senior Manager	14. YEARS EXPERIENCE	
		a. Total	b. With Current Firm
		37	1

15. FIRM NAME AND LOCATION (City and State)  
CTS Engineering, Inc. - Fort Lauderdale, FL

16. EDUCATION (Degree and Specialization)

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)  
Licensed Surveyor & Mapper, Florida, PSM #6052, 2000

**19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
	<b>City of Miami Beach, Fire Flow Project, Package 3 Water Main Improvement</b>	11/2021	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if performed with current firm.	
	1.4 miles of roadway at various locations - Project Surveyor for Surveying services that included Topographic and Right of Way survey. Tasks included: Project coordination, data search and review, recovering/establishing Horz./Vert. Control, Calculate Plats, R/W Maps, Deeds, Easements, Section Corner review calculations.		
b.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>Florida Fish and Wildlife Conservation Commission, Ocean Forest Habitat Restoration (34 Acre site), Key Largo, FL</b>	05/2021	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if performed with current firm.	
	Project Surveyor for Surveying services that included Topographic and Bathymetric Survey. Tasks included: Project coordination, data search and review (i.e., Horz./Vert. Control, recovering/establishing Horz./Vert. Control, GPS Mission Planning, GPS data analysis, Soundings, Field crew Coordination, Survey data review, analysis and processing, place and maintain aerial photogrammetric targets for drone mission.		
c.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>Design Survey of a 6-mile corridor of Dykes Rd and NW 196 Avenue, FDOT District 4.</b>	08/2020	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if performed with current firm.	
	Project Surveyor for Surveying services that included Topographic with a high detail Digital Terrain Model (DTM), Right of Way survey, Drainage Survey, Utility Verification, Section survey and analysis. Tasks included: Project coordination, data search and review (i.e., Horz./Vert. Control, Plats, R/W Maps, Deeds, Easements, Section Corner records), recovering/establishing Horz./Vert. Control, GPS Mission Planning, GPS data analysis and processing, Field crew Coordination, Survey data review, analysis, and processing.		
d.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>Florida Power and Light, ALTA Survey on 84 Acre site for a proposed LNG facility, Homestead, FL</b>	06/2020	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if performed with current firm.	
	Project Surveyor for Surveying services that included Topographic and Boundary Survey. Tasks included: Project coordination, data search and review (i.e., Horz./Vert. Control, Plats, R/W Maps, Deeds, Easements, Section Corner records), Title review, GPS Mission Planning, GPS data analysis and processing, Field crew Coordination, Survey data review, analysis, and processing.		
e.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>Design Survey of a 0.6-mile corridor of US 1 &amp; Sunrise Blvd, FDOT District 4</b>	04/2020	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if performed with current firm.	
	Project Surveyor for Surveying services that included Topographic with a high detail Digital Terrain Model (DTM), and Right of Way survey. Tasks included: Project coordination, and review, recovering/establishing Horz./Vert. Control, Calculate Plats, R/W Maps, Deeds, Easements, Section Corner review calculations, GPS Mission Planning, GPS data analysis and processing, Field crew Coordination, Survey data review, analysis and processing, Mobile Lidar point clouds.		



**E. Resumes of Key Personnel Proposed for this Contract**  
(Complete one Section E for each key person.)

12. NAME <b>Dennis Stanton</b>	13. ROLE IN THIS CONTRACT SUR Senior Surveyor I	14. YEARS EXPERIENCE	
		a. Total 30	b. With Current Firm 1
15. FIRM NAME AND LOCATION (City and State) CTS Engineering, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) BA, Liberal Arts, Old Westbury		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
Florida Intermediate Training - ATSSA, Red Vector's Understanding Subsurface Utility Engineering, Work Zone Traffic Control Intermediate Level, Confined Space Entry Training Program

**19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION (City and State) <b>Continuing Services for Surveying, Mapping and SUE; FDOT District 4</b>	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if performed with current firm.	
	SUE Manager. Provided as-needed surveying, mapping, and SUE support to the FDOT District 4 on this 5-year, \$5 million districtwide contract. Services provided included static and mobile LiDAR, historical baseline and existing R/W determination, GPS surveys, topographic surveys and DTM, general land and aerial photography survey, monumentation surveys, bathymetric surveys, utility designation and excavation including GIS files, tree surveys, R/W control survey maps, R/W maps, maintenance maps, R/W monumentation maps, boundary surveys and quality assurance reviews.		
b.	(1) TITLE AND LOCATION (City and State) <b>Districtwide Utility Location Services; FDOT District 6</b>	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if performed with current firm.	
	Project Manager. Provided all the necessary management services to designate, locate by excavating, survey, and map the existing surface and subsurface utilities to support the design of construction plans on projects selected by the Department. SUE provides exact horizontal and vertical locations of the existing underground utilities by way of electromagnetic and other geophysical location techniques including vacuum excavation. The client benefits by receiving SUE data which enables them to identify, address and remedy potential utility conflicts during the project's design phase. The project length is 1,500 miles.		
c.	(1) TITLE AND LOCATION (City and State) <b>Districtwide Utility Location Services &amp; Districtwide Underground Utility Services Contract; FDOT District 4</b>	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if performed with current firm.	
	Project Manager. Provided all the necessary services to designate, locate by excavation, survey, and map existing surface and subsurface utilities to support the design of construction plans on projects selected by the Department. Exact horizontal and vertical locations of existing underground utilities were provided by way of electromagnetic, sonic, and other geophysical location techniques including vacuum excavation.		
d.	(1) TITLE AND LOCATION (City and State) <b>I-595 Corridor Roadway Improvements, Design-Build; FDOT District 4</b>	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if performed with current firm.	
	SUE Project Manager. This project was the winner of the People's Choice Award in the 2015 America's Transportation Awards competition. This \$1.2 billion project relieved traffic congestion and created a multimodal transportation network along I-595 in South Florida. The area of this project extended from the I-75/Sawgrass Expressway interchange to the I-595/I-95 interchange in central Broward County, for a total project length of 10.5 miles. The project consisted of the reconstruction, addition of auxiliary lanes and resurfacing of the I-595 mainline (including associated improvements to frontage roads and ramps), and a new reversible express lanes system in the I-595 median.		
e.	(1) TITLE AND LOCATION (City and State) <b>Districtwide Survey &amp; Mapping Services Support; FDOT District 4</b>	(2) YEAR COMPLETED	
		Professional Services	Construction (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if performed with current firm.	
	Mr. Stanton served as the SUE Task Leader, and responsibilities included preparing the initial estimate, coordinating with utility owners, scheduling the field crew, leading the CADD portion of the scope and performing the initial QC of the designation and location part of the scope. Under this contract, Mr. Stanton provided miscellaneous surveying services throughout District 4. The underground component was significant, with more than 20 of the total 70 task work orders involving some type of underground utility investigation.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

	12. NAME <b>Angela Alba, PE</b>	13. ROLE ON THIS CONTRACT <b>Senior Geotechnical Engineer</b>	14. YEARS EXPERIENCE	
			a. Total <b>25</b>	b. With Current Firm <b>9</b>
15. FIRM NAME AND LOCATION (City and State) <b>AREHNA Engineering, Inc., Sunrise, Florida</b>				

16. EDUCATION (Degree and Specialization) <b>Master of Science, Civil Engineering, Geotechnical Focus Massachusetts Institute of Technology, 1998</b>  <b>Bachelor of Science, Civil Engineering University of Puerto Rico, 1995</b>	17. CURRENT PROFESSIONAL REGISTRATION (State & Discipline) <b>Professional Engineer, Florida Registration No. 58538, 2002</b>
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
 Ms. Alba has provided geotechnical engineering services on numerous geotechnical explorations over the past 25 years, including serving as the Geotechnical Discipline Lead for the I-595 Corridor Improvement project in Broward County, Florida, which is the first Public-Private-Partnership (P3) projects ever awarded by FDOT. Ms. Alba has been involved in the planning, analysis, execution, and review of geotechnical projects ranging from roadway and railways to complex roadway bridge and tunnel projects to commercial high-rise buildings, school projects, parks and trails, and other local municipality projects.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>A</b>	<b>Geotechnical Engineering and Testing Continuing Services Contract (Prime)</b> Sunrise, Florida	PROFESSIONAL SERVICES 2021 - Ongoing	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Senior Geotechnical Engineer:</b> The scope of work has included a variety of projects, including Sunrise Department of Utilities Wastewater Treatment Plant (MW1A) and Sawgrass Headworks Influent Line Improvements. Ms. Alba provided oversight.		
<b>B</b>	<b>Continuing Professional Services for Construction Engineering and Inspection (CEI) and Design Services for Roadway and Traffic Projects</b> Severall (Broward County), Florida	PROFESSIONAL SERVICES 2021 - Ongoing	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Senior Geotechnical Engineer:</b> Ms. Alba provides geotechnical engineering and materials testing services for this design and roadway improvements continuing services contract. Projects consists of roadway improvements, bridge replacements, miscellaneous structures, traffic safety, signing, subarea/corridor planning, signalization and drainage systems.		
<b>C</b>	<b>City of Oakland Park Mast Arm Traffic Signals</b> Oakland Park, Florida	PROFESSIONAL SERVICES 2022	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Senior Geotechnical Engineer:</b> This project consists of new mast arm foundations at 19 intersections throughout the City of Oakland Park. Ms. Alba's responsibilities included project oversight for the geotechnical engineering services, including field and utility coordination, report preparation, and recommendations.		
<b>D</b>	<b>Port Everglades Bulkhead Replacement Project, Group 1</b> Ft. Lauderdale, Florida	PROFESSIONAL SERVICES 2020 - Ongoing	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Chief Geotechnical Engineer:</b> AREHNA provides geotechnical engineering and materials testing services for this project, which consists of bulkhead wall replacements at Berths 1 through 3 and North Entrance Channel. Ms. Alba provided project oversight for field and utility coordination, geotechnical analysis, report preparation, and recommendations.		
<b>E</b>	<b>City of West Park, Consultant Services (Prime)</b> West Park, Florida	PROFESSIONAL SERVICES 2023 - Ongoing	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Chief Geotechnical Engineer:</b> AREHNA provides geotechnical engineering services directly for the City of West Park. Projects have included Countyline Road reconstruction and drainage improvements, miscellaneous structures and Saunders Park Monument Wall Reconstruction. Ms. Alba provides project oversight for field and laboratory coordination, geotechnical analysis, report preparation, and recommendations.		



**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

	12. NAME <b>Jessica A. McRory, PE, LEED AP</b>	13. ROLE ON THIS CONTRACT <b>Senior Geotechnical Engineer</b>	14. YEARS EXPERIENCE	
			a. Total <b>20</b>	b. With Current Firm <b>15</b>
15. FIRM NAME AND LOCATION (City and State) <b>AREHNA Engineering, Inc., Tampa, Florida</b>				

16. EDUCATION (Degree and Specialization) <b>Master of Science, Civil Engineering, Geotechnical Focus University of South Florida, 2004</b> <b>Bachelor of Science, Civil Engineering University of South Florida, 2003</b>	17. CURRENT PROFESSIONAL REGISTRATION (State & Discipline) <b>Professional Engineer, Florida Registration No. 68440, 2008 LEED Accredited Professional</b>
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
 Ms. McRory has managed the geotechnical aspects of testing, design and construction for over a thousand engineering projects. Her involvement has included analysis and evaluation of soil conditions pertaining to new construction design, as well as ongoing construction projects. Project experience has ranged from large FDOT contracts to large commercial projects. Evaluations have included soil and groundwater conditions, determining soil bearing capacity and consolidation characteristics and analyzing the performance of various types of foundation systems. Ms. McRory is active in several professional organizations including, FES, SAME, ABC and is the past Branch President for ASCE.

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>A</b>	<b>Geotechnical Engineering and Testing Continuing Services Contract</b> (Prime) Sunrise, Florida	PROFESSIONAL SERVICES 2021 - Ongoing	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Contract Manager:</b> AREHNA serves as the Prime consultant and supports geotechnical engineering and materials testing on this task-order contract. Ms. McRory's responsibilities include project oversight, field and laboratory coordination, analysis and recommendations. The scope of work has included a variety of projects, including Sunrise Department of Utilities Wastewater Treatment Plant (MW1A) and Sawgrass Headworks Influent Line Improvements.		
<b>B</b>	<b>City of Tampa   A/E Continuing Services Contract</b> (Prime) Tampa, Florida	PROFESSIONAL SERVICES 2017 - Ongoing	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Senior Geotechnical Engineer:</b> Work has been performed on an as-needed basis supporting the City of Tampa Public Works. Services have included drilling and laboratory testing, engineering analysis and reporting for pavement, drainage/stormwater and roadway projects. Project include Marjorie Rd., Kensington Ave. Drainage Study and Cleveland St. Improvements.		
<b>C</b>	<b>Subsurface Testing &amp; Inspection Contract</b> (Prime) Hillsborough County, Florida	PROFESSIONAL SERVICES 2018 - 2023	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Senior Geotechnical Engineer/Contract Manager:</b> AREHNA provided geotechnical engineering and construction oversight services under this continuing services contract. Projects have included multiple County sites for Hardened Maintenance Facilities and support of other County developments. Geotechnical explorations were performed to obtain information on the general subsurface conditions of the proposed structures, stormwater facilities and parking lots.		
<b>D</b>	<b>City of Weston Roadway and Corridor Improvements</b> Weston, Florida	PROFESSIONAL SERVICES 2023	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Contract Manager:</b> AREHNA provides geotechnical engineering services for multiple city projects that include roadway widening and drainage improvements, new mast arms and milling and resurfacing. Ms. McRory provided quality control/quality assurance for the project.		
<b>E</b>	<b>FDOT District-Wide Geotechnical and Materials Testing Contract</b> District Six, Florida	PROFESSIONAL SERVICES 2019 - 2022	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Contract Manager:</b> Ms. McRory provided geotechnical engineering services for this task-order contract. Scope of work has included pavement coring and geotechnical support of in-house design projects.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

 <b>AREHNA</b>	12. NAME <b>Andy Tao, PE</b>	13. ROLE ON THIS CONTRACT <b>Geotechnical Engineer</b>	14. YEARS EXPERIENCE	
			a. Total <b>10</b>	b. With Current Firm <b>6</b>
15. FIRM NAME AND LOCATION (City and State) <b>AREHNA Engineering, Inc., Sunrise, Florida</b>				

16. EDUCATION (Degree and Specialization) <b>Master of Science, Civil Engineering, Geotechnical Focus University of Florida, 2013</b>  <b>Bachelor of Science, Civil Engineering University of Florida, 2012</b>	17. CURRENT PROFESSIONAL REGISTRATION (State & Discipline) <b>Professional Engineer, Florida Registration No. 88520, 2019</b>
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
Mr. Tao has provided geotechnical engineering services on numerous geotechnical explorations over the past 10 years including roadways, commercial/residential high-rise buildings, residential developments, and industrial, military, medical, commercial, and educational facilities. Mr. Tao assists in report development and geotechnical analysis of deep and shallow foundations as well as retaining walls and stormwater facilities. Mr. Tao evaluates subsurface materials with respect to the project characteristics. Additionally, he performs quality control on laboratory results.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>A</b>	<b>Geotechnical and Engineering Continuing Services Contract (Prime)</b> Sunrise, Florida	PROFESSIONAL SERVICES 2021 - Ongoing	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Engineer:</b> AREHNA serves as the Prime consultant and supports geotechnical engineering and materials testing on this task-order contract. Mr. Tao's responsibilities include field and laboratory coordination, analysis and recommendations.		
<b>B</b>	<b>Continuing Professional Services for Construction Engineering and Inspection (CEI) and Design Services for Roadway and Traffic Projects</b> Several (Broward County), Florida	PROFESSIONAL SERVICES 2021 – Ongoing	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Geotechnical Engineer:</b> Mr. Tao provides geotechnical engineering and materials testing services for this design and roadway improvements continuing services contract. Projects consist of roadway improvements, bridge replacements, miscellaneous structures, traffic safety, signing, subarea/corridor planning, signalization and drainage systems.		
<b>C</b>	<b>Delta FLL Terminal 2 Modernization - Fort Lauderdale International Airport</b> Hollywood, Broward County, Florida	PROFESSIONAL SERVICES 2018 – 2022	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Engineer:</b> Mr. Tao oversaw geotechnical engineering and laboratory testing services for this project, which consisted of construction materials testing and inspection services for approximately 250,000 square feet of renovation and expansion to the existing terminal and connector bridges between terminals 1 and 2 and terminals 2 and 3 for post security passengers to access both terminals. The renovations also included expanded security screening checkpoints, additional baggage claim enhancements and a mezzanine level for Delta Sky Club along with other improvements, such as relocation of a water main.		
<b>D</b>	<b>City of Weston Roadway and Corridor Improvements</b> Weston, Florida	PROFESSIONAL SERVICES 2023	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Geotechnical Engineer:</b> AREHNA provides geotechnical engineering services for multiple city projects that include roadway widening and drainage improvements, new mast arms and milling and resurfacing. Mr. Tao coordinated field and laboratory testing programs, geotechnical analysis, site recommendations and report preparations.		
<b>E</b>	<b>FDOT District-Wide Materials Testing Geotechnical</b> District Six, Miami, Florida	PROFESSIONAL SERVICES 2019 - 2022	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Geotechnical Engineer:</b> AREHNA provided geotechnical engineering services on an as-needed basis for this task order contract providing exploration and evaluation of general subsurface conditions, subsurface borings and classification of soils, laboratory testing of materials, engineering analysis of soil conditions. Mr. Tao mainly provided coordination of field activities.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME  Soheila Sadough, P.E.	13. ROLE IN THIS CONTRACT  Lead Miscellaneous Structures	14. YEARS EXPERIENCE	
		a. TOTAL  30	b. WITH CURRENT FIRM  8

15. FIRM NAME AND LOCATION <i>(City and State)</i> ASA Consultants, Inc. - Sunrise, FL
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16. EDUCATION <i>(Degree and Specialization)</i>  PhD, University of Miami, 1988 M.S.C.E, University of Alabama, 1983 B.S.C.E. University of Alabama. 1981	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>  Professional Engineer #44130 - State of Florida
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
 Ms. Sadough's experience ranges the full spectrum of civil engineering. Her structures related experiences ranges from curved structural steel to precast post-tensioned concrete members. Her significant design contributions have encompassed all project phases, from preliminary design and Bridge Development Reports to final design, peer review, value engineering, and post design services. In addition, Ms. Sadough has served in the role of Project Manager and Engineer-of-Record for a multitude of high profile FDOT projects requiring the full gamut of considerations ranging from Major Highway/Interchange Design Projects to bridges over railroads, airports, and major Florida waterways. Ms. Sadough's comprehensive knowledge of FDOT design guidelines, criteria, and policies will minimize District staff review efforts. She is intimately familiar with the requirements to successfully and efficiently execute a project from start to finish and has a proven track record of managing projects of all sizes.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i> SR9/ I-95 3C Design-Build Project, Broward County- FDOT D4	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018-on going	CONSTRUCTION <i>(If applicable)</i> on going
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE This Design-Build project with Archer Western & Demoya provides access from I-595 to I-95 express lanes. ASA as subconsultant to BCC is Structures EOR for five Bridges within I-95/ SR 84 Interchange. Contact: Bob Forand PE, BCC, 954-928-1828	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Golden Gates 8th Street NE - FDOT D1	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017-2018	CONSTRUCTION <i>(If applicable)</i> 2018
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE ASA was the prime on this DB with Bergeron. This project involves widening the existing road and a new bridge over the cypress canal. Design and construction plans for bridge & 3 miles of Roadway widening. Ms. Sadough was PM & EOR for the bridge. Contact: Kevin Daugherty, PE, FDOT, 239-940-9541	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> SR 9/I-95 Spanish River Blvd. Interchange Improvements Design-Build Project I FDOT D4	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013-2015	CONSTRUCTION <i>(If applicable)</i> 2014-2016
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE This Design-Build project with Astaldi Construction provide access to and from NB and SB I- 95 as well as Yamato Road to Spanish River Boulevard which will improve access to FAU campus and relieve traffic on the adjacent Glades Road & Congress Avenue Interchanges. The project requires extensive coordination with FAA, CSX and other local agencies. Ms. Sadough is Structures EOR & Project Manager responsible for all design and coordination with FDOT and the contractor during the various phases of plans preparation and construction support services during construction. Contact: Jeffrey Robbert, PE, FDOT D4 (954)777-4648	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> GEC Contract, Broward County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2020-On going	CONSTRUCTION <i>(If applicable)</i> N/A
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE ASA Consultants is sub-consultant to RS&H providing roadway & structures support. Ms. Sadough is project manager	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> SR9/I-95 Palm Beach International Airport Interchange I FDOT D4	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 1999-2002	CONSTRUCTION <i>(If applicable)</i> 2003-2005
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Ms. Sadough was the Structural Project Manager responsible for all design aspects and construction support of a fourlevel interchange with eight precast concrete segmental box girder bridges and six steel plate girder bridges over I-95 & CSX Railroad. Contact: John Danielson, PE (954)331-0195	<input checked="" type="checkbox"/> Check if project performed with current firm	

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME  Felix Cebrecos, MSCE	13. ROLE IN THIS CONTRACT  Miscellaneous Structures Designer	14. YEARS EXPERIENCE	
		a. TOTAL  46	b. WITH CURRENT FIRM  8

15. FIRM NAME AND LOCATION *(City and State)*  
ASA Consultants, Inc. - Sunrise, FL

16. EDUCATION *(Degree and Specialization)*  
M.S. Urban and Regional Planning, Ohio State University, 1987  
Post Graduate Mass Transportation, Ecole Polytechnique de Lausanne, (Switzerland), 1978  
M.S. Civil/Environmental Engineering, University of Wisconsin, 1975

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

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

Since 1989, Mr. Cebrecos has served as a planner, traffic engineer and transportation economist and analyst. During this time, he has developed numerous traffic and transportation studies. His current responsibilities include the design for roadway projects and plans preparation for roadway and structures projects.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
District-Wide Misc. PE Design Consultant   FDOT D6	2015-on going	N/A
<b>a.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm ASA is the prime consultant on this project which includes a variety of scope of services. Mr. Cebrecos serves as a Roadway Designer & production/CADD support. Contact: Hong Benitez, PE, FDOT D6.		
District-Wide Misc. PE Design Consultant   FDOT D6	2016-2020	N/A
<b>b.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm ASA serves as a sub to Goal Associates offering support for roadway and misc. Structures. Mr. Cebrecos serves as a Roadway Designer & provides Plans Production/ CADD support. Contact: Geoffrey Lamptey, PE, Goal, 786-600-3350.		
District-Wide Misc. PE Design Consultant   FDOT D6	2016-2020	N/A
<b>c.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm ASA serves as a sub to HBC Engineering offering support for misc. Structures. Mr. Cebrecos serves as a designer & Senior CADD Technician. Contact: Adebayo Coker, PE, HBC, 305-232-7932		
District-Wide Minor Design   FDOT D4	2016-2020	N/A
<b>d.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm ASA serves as a sub to Goal Associates offering support for roadway and misc. Structures. Mr. Cebrecos serves as a Roadway Designer & Senior CADD Technician. Contact: Geoffrey Lamptey, PE, Goal, 786- 600-3350.		
US-1 & Palm Drive, Miami-Dade County   FDOT D6	2016	N/A
<b>e.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This 3R project consists of milling, resurfacing and widening to include an additional SB right turn lane as well as signalization improvements. Mr. Cebrecos responsibilities include the QC of the plans produced. Contact: Shahin Shafiq, PE, HSQ, 561-329-0221		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME  Gordon Houston, P.E.	13. ROLE IN THIS CONTRACT  Quality Control Manager	14. YEARS EXPERIENCE	
		a. TOTAL  44	b. WITH CURRENT FIRM  8

15. FIRM NAME AND LOCATION *(City and State)*  
ASA Consultants, Inc. - Sunrise, FL

16. EDUCATION <i>(Degree and Specialization)</i>  B.S.C.E., Perdue University	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>  Professional Engineer #40612 - State of Florida
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
Mr. Houston has over 44 years of engineering and construction experience. He spent 21 years with the American Bridge Division of US Steel Corporation, where he coordinated steel fabrication and erection, as well as the design and construction of steel-making facilities. He spent 18 years as Project Engineer, Project Manager and District Engineer with PCL Civil Constructors. As a Project Manager, he was in charge of 17 bascule bridges and provided engineering support for over 10 others. He provided technical and engineering assistance required to ensure the success of many projects.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
SR 9 (I-95) Express Lanes Phase 3C Design-Build (95 Express/I-595 Direct Connectors)   FDOT D4	2018-On Going	On Going
<b>a.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project is Phase 3C of the Department's overall Phase 3 implementation of Express Lanes along the I-95 Corridor within Broward and Palm Beach Counties. ASA is sub-consultant to BCC & Structures EOR for five Bridges within I-95/ SR 84 Interchange.		
SR 9/I-95 Interchange I FDOT D4	1990-1994	1995-2000
<b>b.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This complex, fully directional four level interchange with maximum spans of 100 feet to 205 feet consists of nine bridges totaling 12,352 feet in length and included both concrete segmental and steel box girder design alternatives (Steel boxes alternative was the low bidder). This project had the first single cell steel box girder bridge in the State of Florida. Mr. Houston was the Project Engineer Designed Formwork, Shoring, overhang brackets, etc. for construction of the interchange, also was responsible for major crane lift design.		
DW Misc. PE Design Services (C9T01)   FDOT D6	2018-on going	N/A
<b>c.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm ASA Consultants completed ten TWOs with accelerated schedules.		
DW Bridge Consultant I FDOT D4	2021	N/A
<b>d.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm ASA Consultants is sub-consultant to HDR providing structural support.		
Minor Bridge Repairs, Broward & Palm Beach Counties- FDOT D4	2020-2021	2021-on going
<b>e.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm as sub to CONSOR helping with the repair procedure for the pier caps of SR-716/Port St Lucie Blvd over Long Creek & N Fork St Lucie River Bridge. Contact: Sybille Bayard PE, CONSOR, 305-345-7386		



**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME  Raul Amaya, P.E.	13. ROLE IN THIS CONTRACT  Miscellaneous Structures	14. YEARS EXPERIENCE	
		a. TOTAL  33	b. WITH CURRENT FIRM  5

15. FIRM NAME AND LOCATION *(City and State)*  
ASA Consultants, Inc. - Sunrise, FL

16. EDUCATION <i>(Degree and Specialization)</i>  B.S.C.E, University of Miami, 1980	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>  Professional Engineer #38523 - State of Florida
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
Mr. Amaya has over 33 years of experience in highway bridge design. He has extensive experience working with the public sector on major FDOT projects. His bridge design experience encompasses both minor and major bridge structures.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i> S.R. 934/ Hialeah Expressway   FDOT D6	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i> 2013
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Amaya was of part of structural team providing design & construction assistance and shop drawing review. This project consisted of the widening of the Hialeah Expressway from 4 to 6 lanes. The existing bridges over the FEC Railroad, Okeechobee Road, NW 69th Avenue and the Miami Canal were also widened to 6 lanes. Existing steel pier cap were strengthened using external post-tensioning. One bridge was ASSHTO girders and the others were steel girders.		
(1) TITLE AND LOCATION <i>(City and State)</i> Sawgrass Expressway / National Car Rental Center (NCRC) Interchange  Turnpike	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(If applicable)</i> 2015
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm this new southbound ramp utilizes a flyover to connect the Panther's hockey arena directly to the Sawgrass Expressway prior to the toll plaza. The structure is a three span twin steel box girder system 525 feet in length and 40 feet wide. To establish the lowest bridge profile to accommodate a touchdown far enough in advance of the toll plaza, BHA provided a single pier substructure and cantilevered the twin steel box girders by the use of a cross girder of the same depth. This integral pier cap design made the flyover option feasible and saved the Turnpike over \$10M in construction costs		
(1) TITLE AND LOCATION <i>(City and State)</i> Bayou Chico Bridge Replacement (S.R. 292)   FDOT D3	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2000	CONSTRUCTION <i>(If applicable)</i> 2002
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Three continuous spans 156'- 240'-156' with 14 – FBT-72 segmental Bulb-Tee Beams (drop-in-beams) with special haunched sections at the supports. Mr. Amaya performed QC review of the Superstructure & substructure Design.		
(1) TITLE AND LOCATION <i>(City and State)</i> Ft. Lauderdale/Hollywood International Airport Interchange   FDOT D4	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 1999-2000	CONSTRUCTION <i>(If applicable)</i> 2000-2002
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm As prime design consultant on this \$95M Design-Build project, Mr. Amaya served as Senior Bridge Engineer for the complete structural design and load rating of post tensioned pre-cast segmental box girder bridges traversing US-1 and the FEC Railway.		
(1) TITLE AND LOCATION <i>(City and State)</i> I-95 / Palm Beach International Airport Interchange   FDOT D4	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2000-2001	CONSTRUCTION <i>(If applicable)</i> 2004
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Amaya performed the Quality Control of the superstructure design of eight precast concrete segmental box girder bridges and six steel plate girder bridges over I-95 & CSX Railroad.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME  Carlos M. Rodriguez, P.E.	13. ROLE IN THIS CONTRACT  Lead Signing & Pavement Marking	14. YEARS EXPERIENCE	
		a. TOTAL 10	b. WITH CURRENT FIRM 8

15. FIRM NAME AND LOCATION *(City and State)*  
ASA Consultants, Inc. - Sunrise, FL

16. EDUCATION <i>(Degree and Specialization)</i>  M.S.C.E, Florida International University (2012) B.S.C.E., Florida International University (2011)	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>  Professional Engineer #79134 - State of Florida
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
Mr. Rodriguez has over 10 years of experience in many areas of Civil Engineering. He is a multifaceted individual with experience working with the public sector on major FDOT projects as well as private sector projects in Florida. His responsibilities include design, project Coordination & Management, and preparation of construction documents for roadway and bridge projects. His highway design experience includes roadway geometry, signing and pavement marking, and signalization. His structures design experience encompasses both minor and major bridge structures as well as miscellaneous structures. He has served as a Deputy Project Manager/project coordinator on numerous projects. Mr. Rodriguez has also served in-house at District 4 as an FDOT PM (CM- Section 5). In that capacity, Mr. Rodriguez managed and was actively involved in over 10 projects. These included SR 714, D4's first S.W.A.T project (FM 436870-1), and the Henry Kinney Tunnel Rehabilitation project (FM 439714-1).

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i> SR 934 at SR 5 Safety Project   FDOT D6	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i> 2020
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm ASA is the prime consultant on this TWO which involved the reconfiguration of the west leg of the intersection, Milling & Resurfacing, and a new signal. Mr. Rodriguez was the Roadway & Signing and Pavement Marking EOR for the project. Contact: Auraliz Benitez, PE, FDOT D6, 305-470-5471		
(1) TITLE AND LOCATION <i>(City and State)</i> SR 5 at SW 112 Safety Project   FDOT D6	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018-2019	CONSTRUCTION <i>(If applicable)</i> On Going
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm ASA is the prime consultant on this TWO which involved widening for an additional left turn lane, lane reconfigurations, Milling & Resurfacing, and a new signal. Mr. Rodriguez was the Roadway & Signing and Pavement Marking EOR for the project. Contact: Adriana Manzanares, PE, FDOT D6, 305-470-5283		
(1) TITLE AND LOCATION <i>(City and State)</i> SR 5 at Burton Dr Project   FDOT D6	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017-2019	CONSTRUCTION <i>(If applicable)</i> On Going
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm ASA is the prime consultant on this TWO which the reconfiguration of the intersection, widening, Milling & Resurfacing, and signing and pavement marking Mr. Rodriguez was the Roadway & Signing and Pavement Marking EOR for the project. Contact: Martin Fils-Amie, PE, FDOT D6, 305-470-5283		
(1) TITLE AND LOCATION <i>(City and State)</i> SR 9/I-95 Spanish River Blvd. Interchange Project I FDOT D4	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013-2016	CONSTRUCTION <i>(If applicable)</i> 2014-2017
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project provides access to and from I-95 as well as Yamato Rd to Spanish River Blvd, improving access to FAU and the adjacent Glades Rd & Congress Avenue Interchanges. The project requires extensive coordination with FAA, SFRTA and other local agencies. Mr. Rodriguez serves as a Deputy PM/Project Engineer, responsible for assisting in all aspects of the design, coordination, and management. Among his many responsibilities were the analysis and design of all the misc. structures and assisting in the design of 4 bridges. His roadway related responsibilities included assisting in the design of the vertical and horizontal alignment of Yamato road, he is the EOR for the Yamato TCP (Phase 1A), the design of MSE walls, and plans production. Contact: Ron Wallace, PE, FDOT D4, 954-777-4641		
(1) TITLE AND LOCATION <i>(City and State)</i> SR 858, Broward County I FDOT D4	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i> 2016
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project involves milling, resurfacing, widening and the addition of drainage structures along SR 858. Mr. Rodriguez' responsibilities included Temporary Sheet Pile design which included analyzing the active and passive soil pressures as well as the traffic surcharges to determine the minimum tip elevations for the wall and whether we needed to use a cantilever or anchored wall. Once this was determined, a shoring program was used to design the sheet piles section modulus and moment of inertia. Contact: Adebayo Coker, PE, HBC Engineering, 305-232-7932		



**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME Brian Voelker, M.S., SPWS, C.A., CLI	13. ROLE IN THIS CONTRACT Sustainability and Environmental Engineering	14. YEARS EXPERIENCE	
		a. TOTAL 25	b. WITH CURRENT FIRM <1
15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates, Fort Lauderdale, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Environmental Studies Master of Science / Coastal Zone Management, Marine Biology		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> / FAA Drone Remote Pilot / SWS Professional Wetland Scientist / ISA Certified Arborist / ISA Tree Risk Assessment Qualification	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Mr. Voelker is a senior scientist specializing in natural resource assessments and permitting, as well as certified arborist services. He provides numerous ecological services to clients, including the following: wetland delineation, function evaluation, mitigation design, monitoring, and permitting; upland habitat assessments; coastal habitat assessments and permitting; marine and estuarine habitat assessments and permitting; protected wildlife assessments and permitting; GPS data collection/mapping and GIS database development; NEPA document preparation and oversight; sediment and erosion control monitoring.			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a.	(1) Lift Station 61 Rehabilitation Pompano Beach, FL	2022	2022
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Environmental Scientist. CMA is providing professional engineering services on the Pompano Beach Lift Station #61 Rehabilitation Project. CMA will provide site investigation, hydraulic analysis, engineering design services, regulatory permitting, and limited construction administration for this project. CMA will review and evaluate all available topographic surveys, atlases, design drawings, and/or record drawings for the existing facilities at Lift Station #61 to determine the configuration of existing	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) Coconut Creek Lakeside Park Improvements Coconut Creek, FL	2022	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Environmental Scientist. CMA is providing professional civil engineering and landscape architecture services for the Coconut Creek Lakeside Park Improvements.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) Reservoir/Stormwater Treatment Area Project Engineering During Construction Services	2022	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Environmental Specialist. CMA is providing professional engineering services to HDR Engineering, Inc during construction services for the C-44 Reservoir/Stormwater Treatment Area Project. Services shall include a comprehensive Grassing Management Strategy for the C-44 Reservoir for the associated maintenance of grass, a site visit followed by a delivered baseline video and site visit report, soil sampling of the C-44 Reservoir followed by a delivered Preliminary and Final Diagnostics Reports with results, a delivered Grassing Management Strategy and responses to QA questions from HDR and the U.S. Army Corps of Engineers Design Review Team.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) Gaines Park - Community and Tennis Center West Palm Beach, FL	2022	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Environmental Scientist. The project scope assumes total renovation of the community center including the demolition and reconstruction of significant portions of the current building, as well as the design of a new tennis center incorporating six (6) tennis courts and four (4) to six (6) pickle ball courts. CMA's scope of work includes preparation of the project site plan; civil design; utilities design and permitting; landscape design; and supporting permitting and construction administration services. CMA assumes the project will require new utility connections to the buildings, pedestrian connection adjustments, resurfacing and restriping of the existing parking areas; hardscape, landscape, wayfinding, and irrigation improvements; and modification of the stormwater infrastructure.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	(1) NE 96th Street Alley Conversion Town of Bay Harbour Islands, FL	2022	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Environmental Scientist. CMA is providing civil engineering services for the above referenced project at NE 96th Street within the Town of Bay Harbor Islands, FL. The project consists of converting the alley behind the existing Public Works facilities for one-way vehicular use.	<input checked="" type="checkbox"/> Check if project performed with current firm	

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME Gregory Mendez, P.E.	13. ROLE IN THIS CONTRACT Civil Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 24	b. WITH CURRENT FIRM 7
15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates, Miami, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Architectural Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Mr. Mendez has more than 24 years of civil engineering experience in site and infrastructural development type projects for public and private facilities. He has extensive utilities design experience and is also very experienced with fast track projects. His experience includes water, drainage and sewer designs, design reviews, managing designs and construction budgets, managing field inspection staff and managing client relations.			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>a.</b>	NE 151 st Street Roundabout North Miami Beach, FL	PROFESSIONAL SERVICES 2022	CONSTRUCTION <i>(if applicable)</i> 2022
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. CMA is providing the design, permitting, bid support, and construction administration support services for a new vehicular roundabout at the intersection of NE 151st Street and NE 14th Avenue.		<input checked="" type="checkbox"/> Check if project performed with current firm
<b>b.</b>	NMB-Highland Drive Traffic Calming N Miami Beach, FL	PROFESSIONAL SERVICES 2022	CONSTRUCTION <i>(if applicable)</i> 2022
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. The City of North Miami Beach has tasked Chen Moore and Associates with the design, permitting and limited construction support services required for the reconstruction of A Highland Drive, from Biscayne Blvd, south to the interface with the new roundabout currently in design by CMA. Currently, Highland Drive is a 2-lane road with large sodded swales and existing 5' concrete sidewalks. The City wishes to reconstruct this road for the sake of traffic calming and for enhanced aesthetics, as it demarcates the entry to the Highland Village neighborhood.		<input checked="" type="checkbox"/> Check if project performed with current firm
<b>c.</b>	NMB-NE 180th Dr- Roundabout N Miami Beach, FL	PROFESSIONAL SERVICES 2022	CONSTRUCTION <i>(if applicable)</i> 2022
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. CMA provided civil engineering services as the primary consultant for this traffic calming and neighborhood beautification project located at the intersection of NE 178th Street and NE 180th Drive. The project included new paving, grading, minor drainage improvements, signage, striping and landscaping. The project considered the amount and type of vehicular movements through the area to arrive at an appropriate design that would both allow even the largest vehicles		<input checked="" type="checkbox"/> Check if project performed with current firm
<b>d.</b>	Parcels 6A & 6B Neighborhood Improvements – Civil Engineering Bal Harbour, FL	PROFESSIONAL SERVICES 2022	CONSTRUCTION <i>(if applicable)</i> 2022
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. CMA is the civil engineer for this neighborhood improvement project to include new water mains, rear-to-front water service conversions, paving, grading, and drainage improvement, and landscape improvements occurring along over 4,800 LF of existing roadway in the Village of Bal Harbour, Florida.		<input checked="" type="checkbox"/> Check if project performed with current firm
<b>e.</b>	Pelmad Industrial Park 3R+D - Phases 2A Town of Medley, FL	PROFESSIONAL SERVICES 2022	CONSTRUCTION <i>(if applicable)</i> 2022
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. CMA will be providing civil engineering for the design, permitting, bidding assistance, and construction administration for a new roadway layout and associated drainage system in the Pelmad Industrial Park area, in Medley, FL. The project limits include Phases 2A, 2B, 2C, and 2D and will involve milling and resurfacing, drainage improvements, updating the road cross sections, pavement markings and signage, and a new cul-de-sac in Section 2D. The new road cross section shall mimic that of previously designed and built Phase 1, which includes valley gutter, bicycle lanes, travel lanes, and a new center "suicide" lane. Special emphasis will be given to existing driveways and existing loading zones, as this is a primarily industrial/commercial area.		<input checked="" type="checkbox"/> Check if project performed with current firm

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME Brad Wilson, P.E.	13. ROLE IN THIS CONTRACT Roadway and Drainage	14. YEARS EXPERIENCE	
		a. TOTAL 23	b. WITH CURRENT FIRM 23
15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates, Jacksonville, FL			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science / Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Mr. Wilson participates in most of the firm's FDOT transportation projects and also participates in some of the firm's water/sewer utility projects. He has served as project manager and/or engineer of record on most of the firm's FDOT transportation projects over the last 16 years.			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>a.</b>	(1) TITLE AND LOCATION <i>(City and State)</i> Currie Park Phase II - Architectural and Engineering Services (20862.006) - POs 2211441 / 2212682	PROFESSIONAL SERVICES 2023	CONSTRUCTION <i>(If Applicable)</i> 2023
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineer. Phase II Design will be based on the approved master plan and available project funding, which includes \$8 million from the City of West Palm Beach Parks and Recreation Bond and \$16.74 million awarded from the Florida Department of Opportunity. The Consultant team has identified an additional \$11.42 million in grants during Phase I of the project. The Consultant team, with Owner approval, has already applied for \$1.5 million of these opportunities. Optional services in this contract will pursue application of up to ten (10) additional grants.	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>b.</b>	(1) TITLE AND LOCATION <i>(City and State)</i> Collins Road Lighting-Post Design	PROFESSIONAL SERVICES 2023	CONSTRUCTION <i>(If Applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineer. Professional Services for Roadway Lighting Post Design Services for Collins Road from Shindler Drive to Rampart Road. Time spent replying to request for info/drawings from JEA engineer.	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>c.</b>	(1) TITLE AND LOCATION <i>(City and State)</i> FDOT D2 Ad 23275 - SR 200 - A1A Widening, Nassau Co. - PD&E Study	PROFESSIONAL SERVICES 2023	CONSTRUCTION <i>(If Applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineer. A1A Widening, Nassau Co. - PD&E Study.	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>d.</b>	(1) TITLE AND LOCATION <i>(City and State)</i> MDWASD - Basin D2-B Wastewater System - Client No. E15-WASD-03A; 17CMAI001	PROFESSIONAL SERVICES 2022	CONSTRUCTION <i>(If Applicable)</i> 2022
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Chen Moore and Associates was tasked with providing civil engineering design, permitting, bid support and construction administration support services for a new gravity sewer system, potable water system and a new sanitary force main for an area known by the Miami-Dade Water and Sewer Department as Area D2-B in unincorporated Miami-Dade County, FL. This area, a mixture of industrial/commercial and residential, currently on septic systems, which require a new sanitary sewer system	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>e.</b>	(1) TITLE AND LOCATION <i>(City and State)</i> Main Street from State to Trout River - CAB01	PROFESSIONAL SERVICES 2023	CONSTRUCTION <i>(If Applicable)</i> 2023
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. The overall scope of this project includes the milling, resurfacing, restoration, and rehabilitation of 4.1 miles of urban principal arterial roadway. This 4-lane roadway has both divided and undivided typical sections, with on-street parking in some locations and bicycle facilities in others. The scope includes design improvements that cost-effectively enhance safety and included a report documenting aspects of the roadway that were not in compliance with current design standards. This report revealed the need for various improvements, such as upgrading curb cut ramps that do not meet ADA requirements, upgrading signage that is faded/damaged, adding signal backplates, providing underdeck lighting at the MLK overpass, and providing enhanced midblock crosswalks with overhead Rectangular Rapid-Flashing Beacons (RRFB) (5 locations) or Pedestrian Hybrid Beacons (PHB) (2 locations) with updated pedestrian lighting.	<input checked="" type="checkbox"/> Check if project performed with current firm	

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME Michael Buick, P.E.	13. ROLE IN THIS CONTRACT Civil Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 17	b. WITH CURRENT FIRM 7
15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates, Miami, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Biosystems Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Mr. Buick is a senior engineer in our Miami office and has over 13 years of experience in site development. His experience includes planning, design, permitting and construction administration of site infrastructure including site paving, grading and drainage and site utility plans for land development projects.			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>
a.	Downtown Coral Springs Streetscaping Coral Springs, FL	2015	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineer. CMA was contracted by the City of Coral Springs to assist the Coral Springs CRA in the planning, design, permitting, and construction support of various streetscaping improvements in Downtown Coral Springs. As the prime consultants, CMA provided civil engineering, landscape architecture, environmental permitting, and construction engineering and inspection services for the project.		
b.	Lauderdale-by-the-Sea E. Commercial Blvd Streetscape & Drainage Improvements Lauderdale-by-the-Sea, FL	2012	2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineer. Chen Moore and Associates provided utility coordination; roadway and stormwater design; government permitting; and bidding assistance for the development of the design of streetscape and stormwater improvements to the downtown core and adjacent areas east of Bougainville Drive in the Town of Lauderdale by the Sea.		
c.	South Pointe Phase III/IV/V - Right-of-Way Improvement Project Miami Beach, FL	2012	2016
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Engineer. Mr. Buick worked as part of the design team for the right-of-way improvement project for the City of Miami Beach. He oversaw the design, permitting and bidding of the proposed project. CMA was responsible for providing surveying, planning, geotechnical investigation, design, permitting, preparation of construction documents, bid and award and construction engineering and inspection services for infrastructure improvements within the public right of way areas of the South Pointe III/IV/V neighborhood of Miami Beach.		
d.	City Center Right-of-Way and Utility Improvement Project Miami Beach, FL	2012	2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineer. CMA was responsible for providing surveying, planning, geotechnical investigation, design, permitting, preparation of construction documents, bid and award and construction engineering and inspection (CEI) services for infrastructure improvements within the public right-of-way (ROW) areas of the City Center neighborhood of Miami Beach.		
e.	North 64th Avenue Widening & Utility Improvements Hollywood, FL	2015	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineer. Chen Moore and Associates provided engineering services for the Seminole Tribe of Florida (STOF) Public Works Department (PWD) and Construction Management Department for the North 64th Avenue Roadway Widening and Utility Improvements Project, located on the Hollywood Seminole Indian Reservation. The project also includes the extension of a proposed 16" water main, stormwater improvements, fire access considerations on both sides of the proposed wall, hardscape/landscape improvements, locating a proposed guardhouse and the relocating of an existing City of Hollywood sanitary lift station that serves a segment of the existing residential community in the vicinity as well as the STOF Headquarters Building. The lift station work includes design, permitting and construction services working with both the STOF and the City of Hollywood. This scope of the project includes a schematic design, preliminary and final construction plans, and technical specifications to allow competitive bidding for construction of the Project, cost estimates, bid documents, addenda during the bidding process, conformed drawings and specifications, submittal reviews, responses to Requests for Information (RFIs), assistance with change orders, meeting attendance, record drawings, and other engineering support as required during construction.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME Yulet Miguel, P.E.	13. ROLE IN THIS CONTRACT Roadway and Drainage	14. YEARS EXPERIENCE	
		a. TOTAL 13	b. WITH CURRENT FIRM <1

15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates, Fort Lauderdale, FL
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16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Civil Engineering	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
 Mrs. Miguel is a principal engineer with CMA. She has experience with highway engineering in a wide array of projects in South Florida ranging from Indian River County to Miami-Dade County. Mrs. Miguel is responsible for the areas of management, highway design, drainage design, signalization design, signing and pavement marking design, permitting and plans review for multiple projects, from complex limited access facilities improvements to RRR projects. She is familiar with the project development process for coordination, permitting, QAQC and plans preparation. Mrs. Miguel has previously held positions as Project Manager, Deputy Project Manager and Design Engineer for projects with FDOT Districts 4 and 6, as well as various municipalities in south Florida.

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>
a.	(1) TITLE AND LOCATION <i>(City and State)</i> Gaines Park - Community and Tennis Center West Palm Beach, FL	PROFESSIONAL SERVICES 2022	CONSTRUCTION <i>(if applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineer. The project scope assumes total renovation of the community center including the demolition and reconstruction of significant portions of the current building, as well as the design of a new tennis center incorporating six (6) tennis courts and four (4) to six (6) pickle ball courts. CMA's scope of work includes preparation of the project site plan; civil design; utilities design and permitting; landscape design; and supporting permitting and construction administration services. CMA assumes the project will require new utility connections to the buildings, pedestrian connection adjustments, resurfacing and restriping of the existing parking areas; hardscape, landscape, wayfinding, and irrigation improvements; and modification of the stormwater infrastructure.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Resurfacing, Restoration and Rehabilitation (RRR) Project along SR802/Lake Worth Road from Raulerson Dr. to College Entrance Palm Beach County, FL	PROFESSIONAL SERVICES 2022	CONSTRUCTION <i>(if applicable)</i> 2022- ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Deputy PM. Yulet was the lead design engineer and deputy PM for this RRR and widening project. She led the coordination of the design and production of Roadway Plans, Signing & Pavement Marking Plans, Signalization Plans and Lighting Plans. The project scope involved the addition of buffered bike lanes with raised traffic separators, new landscaped medians, new irrigation, new lighting, utility coordination and extensive ROW Acquisition.	<input type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION <i>(City and State)</i> RRR and Safety Improvements SR 915/NE 6 <sup>th</sup> Avenue from NE 123 <sup>rd</sup> Street to NE 145 <sup>th</sup> Street North Miami, FL	PROFESSIONAL SERVICES 2020	CONSTRUCTION <i>(if applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Lead Engineer. Yulet was the lead design Roadway Engineer responsible for preparing plans according to design criteria and standards set forth by the Florida Department of transportation, AASHTO and MUCTD. She prepared design documentation such as design variations, typical section packages, pavement design package and assisted the department with utility coordination and permitting.	<input type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION <i>(City and State)</i> NW 50th Street Bicycle/Pedestrian Trail Miami-Dade County, FL	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(if applicable)</i> 2017
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineer. She was responsible for the roadway and signing plans, milling and resurfacing, new curb and gutter, ADA curb ramps, signing and pavement markings, preparation of lighting plans with modern solar pedestrian lighting, utility coordination, and permitting services. The project created pedestrian connectivity from the Turnpike Trail (NW 117 <sup>th</sup> Ave), the Tails and Trails Park and NW 107 Avenue.	<input type="checkbox"/> Check if project performed with current firm	
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Garden of the Arts Park City of Hialeah, FL	PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(if applicable)</i> 2016
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Engineer: She was responsible for the site design and project coordination of the Cultural Park named "Gardens of the Arts". The scope included design of the park, landscaping, concrete sidewalks, signing and pavement marking, drainage, cost estimates, and utility coordination. New sidewalks, a concrete amphitheatre, elevated stage with turf seating, historic murals, monuments, new parking lot, and site lighting were also incorporated.	<input type="checkbox"/> Check if project performed with current firm	

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME Patrick Kaimrajh, P.E.	13. ROLE IN THIS CONTRACT Civil Site Plan and Design	14. YEARS EXPERIENCE	
		a. TOTAL 13	b. WITH CURRENT FIRM 10
15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates, Miami, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Patrick Kaimrajh, P.E. serves as a senior engineer for CMA and specializes in leading and managing civil engineering design, drafting, permitting, and construction inspection. His 13 years of design and project management experience includes site development and neighborhood improvement, paving, drainage and stormwater management, sanitary sewer and stormwater pump stations, and water main projects.			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
<b>a.</b>	Downtown Coral Springs Streetscaping Coral Springs, FL	2015	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Engineer. CMA was contracted by the City of Coral Springs to assist the Coral Springs CRA in the planning, design, permitting, and construction support of various streetscaping improvements in Downtown Coral Springs. As the prime consultants, CMA provided civil engineering, landscape architecture, environmental permitting, and construction engineering and inspection services for the project.		
<b>b.</b>	Lauderdale-by-the-Sea E. Commercial Blvd Streetscape & Drainage Improvements Lauderdale-by-the-Sea, FL	2012	2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Engineer. Chen Moore and Associates provided utility coordination; roadway and stormwater design; government permitting; and bidding assistance for the development of the design of streetscape and stormwater improvements to the downtown core and adjacent areas east of Bougainvillea Drive in the Town of Lauderdale by the Sea.		
<b>c.</b>	South Pointe Phase III/IV/V - Right-of-Way Improvement Project Miami Beach, FL	2012	2016
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Engineer. CMA was responsible for providing surveying, planning, geotechnical investigation, design, permitting, preparation of construction documents, bid and award and construction engineering and inspection services for infrastructure improvements within the public right of way areas of the South Pointe III/IV/V neighborhood of Miami Beach. The project encompasses approximately 19,000 LF of ROW infrastructure improvements including 9,300 LF 8" water main replacements, stormwater drainage improvements, paving & grading, streetscaping enhancements, landscaping improvements, lighting improvements, and roadway reconstruction.		
<b>d.</b>	Aviation Blvd Roadway & Hardscape Improvements Marathon, FL	2020	2020
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Engineer. CMA prepared roadway and hardscape plans for over two miles of Aviation Boulevard including a segment of 107th Street which is adjacent to the regional airport in the City of Marathon. The project considered the shift of the existing roadway centerline to accommodate a shared 8' shared path that includes specialty lighting, hardscape elements including benches, pavers and landscaping at various areas along the road.		
<b>e.</b>	City Center Right-of-Way and Utility Improvement Project Miami Beach, FL	2012	2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Engineer. CMA was the prime consultant and was responsible for providing surveying, planning, geotechnical investigation, design, permitting, preparation of construction documents, bid and award and construction engineering and inspection (CEI) services for infrastructure improvements within the public right-of-way (ROW) areas of the City Center neighborhood of Miami Beach. The project encompasses approximately 24,000 LF of ROW infrastructure improvements including: 8,700 LF of 8-inch water main replacements; sewer improvements, stormwater drainage improvements; paving & grading; roadway/traffic improvements (streets, sidewalks, curb and gutter, drainage, traffic control devices including striping, signing and channelization); streetscaping and landscaping enhancements; decorative, landscape and roadway lighting improvements; and roadway reconstruction.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME Cole Benjamin, P.E.	13. ROLE IN THIS CONTRACT Roadway and Drainage	14. YEARS EXPERIENCE	
		a. TOTAL 8	b. WITH CURRENT FIRM 0

15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates
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16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science / Civil Engineering	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> FL / Professional Engineer VA / Professional Engineer
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
Mr. Benjamin recently joined CMA as a senior engineer. His previous experience includes completing conceptual level hydraulic design including preliminary culvert sizing and hydroplaning analyses; creation of stormwater master plan reports for aviation/airfield projects; and creating layout and analysis of closed system storm sewer networks, culvert sizing, and open channel design for a variety of projects ranging from low impact bridge replacement project to large design-build transportation projects, as well as aviation/airfield projects.

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
a.	(1) Amend-01: Signature Flight Support - Phase 3 Development	2023	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineer. CMA will serve as a Subconsultant to MDG for Civil Engineering and Landscape Architecture Design Phase Services. The project consists of implementing the development of Phase 3 for Signature Flight Support within the Golfview development area at Palm Beach International Airport. The project is anticipated to include a ramp expansion, three (3) new hangars, with associated offices, a new FBO terminal building and associated landside vehicle parking currently shown to handle over 200 vehicles. As requested, CMA will provide lump sum design services to prepare construction documents and procure all necessary permits for the following infrastructure elements: Stormwater Management and Drainage and Related Permitting, Water and Wastewater Utilities and Related Permitting, and Perimeter and Parking Lot Landscape Design.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) Atlantic Aviation - PBI Hangars Phase I	2023	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineer. CMA will serve as a Subconsultant to C & S Engineers, Inc. The project includes stormwater management design and permitting and landscape architecture design services. This project will be two hangars that are identical to each other and are approximately 30,000 square feet with a 3,500 square feet of office space on each. This project also includes a parking lot approximately 40,000 square feet and ramp approximately 27,500 feet.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) CSA-10 (22-001) Lift Station Rehabilitation - R2020-1891 WUD 22-001	2023	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineer. CMA shall provide professional engineering services including survey, utility coordination, geotechnical testing, engineering and permitting for the rehabilitation and refurbishment of fourteen (14) lift stations identified by Palm Beach County Water Utilities Department (PBCWUD). The design will consider mitigation of adverse soil conditions as well as safety enhancements recommended by PBCWUD.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) FY 22-23 APS Point of Service Cleanout - PO 20230141-00	2023	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineer. CMA shall provide engineering services for the design, bidding, and construction of the surface preparation and coating of the above ground piping and fittings at the following sanitary stations located throughout the Authority's Service Area: LS 78- PGA National, Ryder Cup Blvd. and Alston Rd.; LS 80- PGA National, Northlake Blvd. and Bee Line Hwy; LS 81- PGA National, Ryder Cup Blvd. and Championship Dr.; LS 105 - Hope Ln. and Prosperity Farms Rd.; LS 106- Ballen Isles, st.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	(1) FY 22-23 Coating of Lift Station Coatings - PO 20230142-00	2023	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineer. Specific Authorization to Continuing Service APS. The project will include engineering services for the design, bidding, and construction of the surface preparation and coating of the above ground piping and fittings at the following sanitary stations located throughout the Authority's Service.	<input checked="" type="checkbox"/> Check if project performed with current firm	



**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME David Cowan, Jr., P.E., ENV SP, LEED AP	13. ROLE IN THIS CONTRACT Civil Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 8	b. WITH CURRENT FIRM 2
15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates, West Palm Beach, FL			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Master of Science / MS Civil Engineering (Water Resources) Bachelor of Science / Civil Engineering Associate of Science / Environmental Science Technology		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> FL / Professional Engineer FL / State of Florida Mold Assessor	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> David Cowan, Jr., P.E., ENV SP, LEED AP is a senior engineer in our West Palm Beach office. Mr. Cowan has over 10 years of experiences and holds a bachelor's and master's degree in civil engineering with a water resource focus. Mr. Cowan specializes in the renovation and design of water/wastewater pump facilities and water/wastewater conveyance and distribution systems. He also has experience with long term planning projects and capital improvement planning and condition index observations. He also has past experience with stormwater management on both watershed level and site development.			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
a.	(1) TITLE AND LOCATION <i>(City and State)</i> South County Reclaimed Water Transmission Pipeline Phase 1A (R2018-0296) with PBCWUD - WUD 18-022, Palm Beach, FL	PROFESSIONAL SERVICES On-Going	CONSTRUCTION <i>(If Applicable)</i> On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Senior Engineer. Palm Beach County and Broward County have an Interlocal Agreement related to the construction, ownership, operation, and maintenance of a Regional Reclaimed Water System to deliver reclaimed water from Broward County's northern wastewater treatment plant to the Palm Beach County Water Utilities Department (WUD) service area. The service initiation to Palm Beach County will be 2 MGD of annual average daily flow by April 2021. The expansion was being designed in phases for multiple competitively bid construction sub-projects. Detailed construction documents and related permits were provided to allow the construction of approximately 3.7 miles (19,500 linear feet) of reclaimed water pipeline and related facilities to be completed and placed into service before April 2021.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION <i>(City and State)</i> CSA-08 Integrated Utility Master Plan - Collection and Distribution Systems - Modeling - R2020-1891 - WUD 19-065	PROFESSIONAL SERVICES On-Going	CONSTRUCTION <i>(If Applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Senior Engineer. CMA is providing services for the development of an Integrated Utility Master Plan (IUMP) for the existing and proposed Palm Beach County Water Utilities Department (PBCWUD) service areas for water and wastewater over the next 30-year horizon (2050). CMA's scope of work will focus on the Collections and Distribution Systems. This authorization includes GIS analysis and Inflow and Infiltration studies. Also, hydraulic modeling will be performed to review and update four (4) existing Infowater models for the water and wastewater system. The results of these efforts will allow the team to identify system deficiencies, and propose improvements, to integrate into the IUMP.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION <i>(City and State)</i> CIPP Lining Basins A05, A06, A43 Town of Palm Beach, FL	PROFESSIONAL SERVICES On-Going	CONSTRUCTION <i>(If Applicable)</i> On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Senior Engineer. CMA shall provide professional assistance with the engineering management and oversight of the Cured In Place Pipe (CIPP) lining of wastewater pipelines in Basins A05, A06, and A43. The focus of the effort will be in managing the work of the contractor Insituform Technologies, LLC and verifying the work is being done in accordance with Town construction procedures and the required technical specifications.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Indian River Drive Water Main Improvements Hobe Sound, FL	PROFESSIONAL SERVICES 2021	CONSTRUCTION <i>(If Applicable)</i> 2021
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Senior Engineer. CMA is assisting the SMRU with the installation of approximately 5,660 linear feet of new water main to replace existing water main that has reached the end of its service life. The project includes the construction of new HDPE water main; the new water main will connect to the existing 10" running water main east-west at the southern end of Indian River Drive and to the existing 10" water main on SE Gleason Street.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Silver Beach Road Utility Improvement – Seacoast Utility Authority, Lake Park, FL	PROFESSIONAL SERVICES 2020	CONSTRUCTION <i>(If Applicable)</i> 2020
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Senior Engineer. CMA was contracted by Seacoast Utility Authority (SUA) for design and permitting of utility relocations and improvements in conjunction with a Palm Beach County roadway improvement project on Silver Beach Road. The improvements consisted of approximately 1,100 LF of low pressure force main, including a horizontal direction drill across the Florida East Coast Railway tracks, and approximately 1,000 LF of 8" water main. Coordination with multiple regulatory agencies was required, including Florida East Coast Railway, Palm Beach County Roadway Division, and Florida Department of Health Palm Beach County. CMA was also contracted for construction administration and permit certification for the low pressure force main system.	<input checked="" type="checkbox"/> Check if project performed with current firm	

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME Sathvika Ramaji, P.E.	13. ROLE IN THIS CONTRACT Civil Site Plan and Design	14. YEARS EXPERIENCE	
		a. TOTAL 6	b. WITH CURRENT FIRM 6
15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates, Miami, FL			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science / Civil Engineering Master of Science / Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Ms. Ramaji, E.I. serves as a Project Engineer for CMA's engineering team and has experience working on various aspects of civil engineering design, plan preparation, permitting efforts, scheduling project activities, and construction oversight while leading complete project design teams. Her experience includes utility coordination; site grading; pavement analysis, water distribution system; sanitary sewer collection system; lift station design; stormwater management system and drainage analysis; roadway design; maintenance of traffic and phasing; pavement marking; signage; and erosion control.			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>a.</b>	NMB-Highland Drive Roadway Improvements N Miami Beach, FL	PROFESSIONAL SERVICES 2023	CONSTRUCTION <i>(If Applicable)</i> 2023
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineer. CMA provided civil engineering services for the Highlands Drive Roadway Improvements project for the City of North Miami Beach, Florida. The scope included designing and reconstructing Highlands Drive, from Biscayne Blvd, south to the interface with the new roundabout currently in design by CMA. The proposed roadway reconstruction includes two-lane divided boulevard section, appropriate drainage system, landscaping and irrigation. CMA coordinated the topographic survey, geotechnical exploration, site reconnaissance and utility conditions; prepared construction documents; acquired permitting and approvals; oversaw bidding assistance; and provided limited construction administration support services.		
<b>b.</b>	NMB - NE 35th Avenue Water Main Replacement (PO 200653)	PROFESSIONAL SERVICES 2023	CONSTRUCTION <i>(If Applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineer. CMA is providing Additional Geotechnical Exploration Services for the above referenced project located at NE 35th Avenue in North Miami Beach, Florida.		
<b>c.</b>	East Bird Road Pump Stations Miami, FL	PROFESSIONAL SERVICES 2022	CONSTRUCTION <i>(If Applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineer. CMA provided professional civil engineering, permitting assistance, bid and award support services, public involvement and limited construction administration support services for the individual grinder pump stations within the parcel of each current WASD customer to be served by the new low pressure sewer force main (designed under separate contract by CMA) along the corridor of Bird Road from Red Road and Ludlam within the commercial corridor. Scope of services included design, construction documents (plans, technical specifications and Engineer's opinion of probable construction cost), permitting assistance and limited construction administration support services for Grinder Pump Stations to the properties.		
<b>d.</b>	Diana Drive Roadway & Drainage Improvements Hallandale Beach, FL	PROFESSIONAL SERVICES 2023	CONSTRUCTION <i>(If Applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineer. CMA was tasked with the design and reconstruct Diana Drive, including new bike lanes, from Golden Isles Drive, east to just past SE 26th Avenue and to re-stripe SE 26th Avenue from Diana drive to Hallandale Beach Blvd., for the City of Hallandale Beach. The proposed design and realignment includes divided (eastbound and westbound) lanes, a new bike lane (on the eastbound lane) and shared use striping (on the westbound lane), additional on-street parallel parking spaces, a new drainage system, a new landscaped and irrigated median, new curb, new sidewalks with ADA accessibility, signage, striping, landscaping and irrigation. CMA provided a new topographic survey, geotechnical exploration, engineering design, permitting, bid & award assistance and, as an optional service, limited construction administration support services.		
<b>e.</b>	DB Clewiston Field Station - SFWMD	PROFESSIONAL SERVICES 2023	CONSTRUCTION <i>(If Applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineer. The project consists of the design, permitting, and construction of a new Field Station facility, located at 1307 S. Olympia Street, Clewiston Florida. The site is 15.85 acres and includes 7 different parking areas serving visitors, employees, and maintenance vehicles, a helipad, new on-site potable water loop, sanitary sewer collection and pump station, fuel island, emergency generator, vehicle wash station, vehicle maintenance building, administrative staff building, and various storage locations.		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(COMPLETE ONE SECTION E FOR EACH KEY PERSON)



12. NAME <b>Eric J. Hammond, PE</b>	13. ROLE IN THIS CONTRACT Principal   Mechanical Engineer	14. YEARS EXPERIENCE	
		A. TOTAL 45	B WITH CURRENT FIRM 33

15. NAME OF FIRM AND LOCATION (CITY AND STATE)  
**Hammond & Associates, Inc., Miami, FL**

16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science, Mechanical Engineering Diploma, Electrical Engineering	17. CURRENT REGISTRATION (STATE AND DISCIPLINE) Florida Professional Engineer #39008 Georgia Professional Engineer #042812 State Certified Mechanical Contractor #CMC 05466 State Certified Plumbing Contractor CFC 056666
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18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.)  
**National Fire Protection Association**

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (CITY AND STATE) <b>BETTY T. FERGUSON RECREATIONAL COMPLEX</b> <i>Miami Gardens, FL</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (IF APPLICABLE)
<b>a.</b>	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM The facility consists of indoor swimming pool with racing lanes, children's area, water slide, whirl pool spa, 200 seat auditorium with a stage and dressing room, gymnasium, dance studios, fitness center, restroom/shower/locker rooms facility that is separated into five distinctive areas; men, women, boys, girls and family rooms. Site development includes an artificial turf football playing field and track facility.   Role: Principal   Mechanical Engineer.		
	(1) TITLE AND LOCATION (CITY AND STATE) <b>OPERATION CENTER, SOUTH FLORIDA REGIONAL TRANSIT AGENCY (SFRTA)</b> <i>Pompano Beach, FL</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016	CONSTRUCTION (IF APPLICABLE) 2020
<b>b.</b>	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM The SFRTA Operations Center is a 75,000 sf facility that consists of a 3-story office building, including a 150 seat boardroom, a customer service, a dispatch operations center, loading and receiving areas. The new site includes a 4-level parking garage that supports both the Operations Center and parking for Tri-Rail passengers.   Role: Principal   Mechanical Engineer.		
	(1) TITLE AND LOCATION (CITY AND STATE) <b>FIRE STATION #19 AND MULTI-USE SERVICE CENTER</b> <i>City of Miramar,, FL</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2013	CONSTRUCTION (IF APPLICABLE) 2015
<b>c.</b>	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM The project consisted of providing engineering design services for the a new clinic and counseling facilities including 38,000SF multi-use Senior Center. The facility enclosed a two-story administrative office wing for staff and a Multi-use Senior Center that included class rooms, and multipurpose community meeting rooms. Hammond & Associates provided engineering services for the demolition of the existing City Hall and Fire Station Building.   Role: Electrical Engineer		
	(1) TITLE AND LOCATION (CITY AND STATE) <b>VISTA VIEW PARK</b> <i>Davie, FL</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2009	CONSTRUCTION (IF APPLICABLE) 2010
<b>d.</b>	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM 271-acre site that was originally a landfill and has been developed into a facility that meets the needs of its surrounding neighborhood. Provided engineering services for the basketball courts, restrooms, boat dock, equestrian trail, park and administrative office building, maintenance building and the gate house. Role: Principal   Mechanical Engineer.		
	(1) TITLE AND LOCATION (CITY AND STATE) <b>LAUDERHILL SPORTS COMPLEX</b> <i>Lauderhill, FL</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2002	CONSTRUCTION (IF APPLICABLE) 2002
<b>e.</b>	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM This community park is constructed on a 26 acre property. The recreational facility has lighted basketball courts, baseball field, cricket and soccer fields. The design elements include complete air conditioning services, sanitary and water piping systems for the building and the roof drains, as well as outdoor lighting and site lighting. Hammond & Associates also provided construction administration services for the project.   Role: Principal   Mechanical Engineer.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**  
(COMPLETE ONE SECTION E FOR EACH KEY PERSON)



12. NAME <b>Donald Dixon, PE</b>	13. ROLE IN THIS CONTRACT Electrical Engineer	14. YEARS EXPERIENCE	
		A. TOTAL 35	B WITH CURRENT FIRM 14
15. NAME OF FIRM AND LOCATION (CITY AND STATE) <b>Hammond &amp; Associates, Inc., Miami, FL</b>			
16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science, Electrical Engineering Diploma in Electrical Engineering		17. CURRENT REGISTRATION (STATE AND DISCIPLINE) Florida Professional Engineer #51151 State Certified Electrical Contractor EC 130006036	
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.) National Fire Protection Association (NFPA)			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION (CITY AND STATE) <b>PORT EVERGLADES ADMINISTRATION BUILDING</b> <i>Fort Lauderdale, FL</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (IF APPLICABLE) 2020
(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <span style="float:right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> <b>a.</b> This 6-story post tension concrete structure was built around 1987 and has approximately 82,000 square feet of total floor space. Majority of the building is occupied by Broward County and Port Everglades staff. Hammond & Associates provided design services for Mechanical, Electrical, Plumbing, Fire Protection. As well as, development of construction documents (plans/specifications) for bidding, permitting, and construction administration for the project. Hammond & Associates provided Mechanical, Electrical, Plumbing, & Fire Protection.   Role: Electrical Engineer		
(1) TITLE AND LOCATION (CITY AND STATE) <b>FIRE STATION #19 AND MULTI-USE SERVICE CENTER</b> <i>City of Miramar,, FL</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION (IF APPLICABLE) 2015
(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <span style="float:right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> <b>b.</b> The project consisted of providing engineering design services for the a new clinic and counseling facilities including 38,0000 square feet multi-use Senior Center. The facility enclosed a two-story administrative office wing for staff and a Multi-use Senior Center that included class rooms, and multipurpose community meeting rooms. Hammond & Associates provided engineering services for the demolition of the existing City Hall and Fire Station Building.   Role: Electrical Engineer		
(1) TITLE AND LOCATION (CITY AND STATE) <b>PLANTATION ANNEX BUILDING ADDITION</b> <i>Plantation, FL</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2022	CONSTRUCTION (IF APPLICABLE) Ongoing
(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <span style="float:right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> <b>c.</b> 4,200 SF single story building addition that will house the Engineering Department consisting of 10 employees. Some of the spaces included in the addition was an entrance and front lobby area, public restrooms, employee work space, Employee restrooms, employee break area, and conference room. Hammond & Associates provided Mechanical, Electrical, Plumbing, and Fire Protections Engineering Services.   Role: Electrical Engineer		
(1) TITLE AND LOCATION (CITY AND STATE) <b>HELEN MILLER COMMUNITY CENTER</b> <i>Opa-Locka, FL</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION (IF APPLICABLE)
(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <span style="float:right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> <b>d.</b> The design features the Moorish architecture unique to the City of Opa-Locka. The building contains a community hall, meeting rooms, and administrative offices, and will also double as an emergency shelter for the community. The construction used solid concrete tilt-wall construction with uniquely shaped impact windows, form liners, and vivid colors that reflect the Moorish architectural style.   Role: Electrical Engineer		
(1) TITLE AND LOCATION (CITY AND STATE) <b>Ben Franklin Park Community Center</b> <i>Miami, FL</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION (IF APPLICABLE)
(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <span style="float:right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> <b>e.</b> Provided electrical design to replace two existing baseball fields with two soccer fields. Provided electrical plans and specifications for the permitting. Construction administration was provided.   Role: Electrical Engineer.		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(COMPLETE ONE SECTION E FOR EACH KEY PERSON)



12. NAME <b>Stephen Farquharson, LEED AP</b>	13. ROLE IN THIS CONTRACT Electrical Designer   Fire Protection Systems Designer	14. YEARS EXPERIENCE	
		A. TOTAL <b>14</b>	B WITH CURRENT FIRM <b>14</b>

15. NAME OF FIRM AND LOCATION (CITY AND STATE)  
**Hammond & Associates, Inc., Miami, FL**

16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science, Mechanical Engineering	17. CURRENT REGISTRATION (STATE AND DISCIPLINE) LEED AP
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18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.)  
**National Fire Protection Association**

### 19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (CITY AND STATE) <b>PLANTATION ANNEX BUILDING ADDITION,</b> <i>Plantation, FL</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2022</b>	CONSTRUCTION (IF APPLICABLE) <b>Ongoing</b>

**a.** (3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE  CHECK IF PROJECT PERFORMED WITH CURRENT FIRM  
4,200 SF single story building addition that will house the Engineering Department consisting of 10 employees. Some of the spaces included in the addition was an entrance and front lobby area, public restrooms, employee work space, Employee restrooms, employee break area, and conference room. Hammond & Associates provided Mechanical, Electrical, Plumbing, and Fire Protections Engineering Services. | Role: Electrical Engineering Designer.

(1) TITLE AND LOCATION (CITY AND STATE) <b>OPERATION CENTER, SOUTH FLORIDA REGIONAL TRANSIT AGENCY (SFRTA),</b> <i>Pompano Beach, FL</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2016</b>	CONSTRUCTION (IF APPLICABLE) <b>2020</b>

**b.** (3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE  CHECK IF PROJECT PERFORMED WITH CURRENT FIRM  
The SFRTA Operations Center is a 75,000 sf facility that consists of a 3-story office building, including a 150 seat boardroom, a customer service, a dispatch operations center, loading and receiving areas. The new site includes a 4-level parking garage that houses approximately 400 parking spaces and supports both the Operations Center and parking for Tri-Rail passengers. | Role: Electrical Engineering Designer.

(1) TITLE AND LOCATION (CITY AND STATE) <b>HELEN MILLER COMMUNITY CENTER</b> <i>Opa-Locka, FL</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2013</b>	CONSTRUCTION (IF APPLICABLE)

**c.** (3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE  CHECK IF PROJECT PERFORMED WITH CURRENT FIRM  
The design features the Moorish architecture unique to the City of Opa-Locka. The building contains a community hall, meeting rooms, and administrative offices, and will also double as an emergency shelter for the community. The construction used solid concrete tilt-wall construction with uniquely shaped impact windows, form liners, and vivid colors that reflect the Moorish architectural style. | Role: Electrical Engineering Designer.

(1) TITLE AND LOCATION (CITY AND STATE) <b>BEN FRANKLIN PARK COMMUNITY CENTER</b> <i>Miami, FL</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2017</b>	CONSTRUCTION (IF APPLICABLE)

**d.** (3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE  CHECK IF PROJECT PERFORMED WITH CURRENT FIRM  
Provided electrical design to replace two existing baseball fields with two soccer fields. Provided electrical plans and specifications for the permitting. Construction administration was provided. | Role: Electrical Engineering Designer.

(1) TITLE AND LOCATION (CITY AND STATE) <b>FIRE STATION #19 AND MULTI-USE SERVICE CENTER</b> <i>City of Miramar,, FL</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2013</b>	CONSTRUCTION (IF APPLICABLE) <b>2015</b>

**e.** (3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE  CHECK IF PROJECT PERFORMED WITH CURRENT FIRM  
The project consisted of providing engineering design services for the a new clinic and counseling facilities including 38,0000 square feet multi-use Senior Center. The facility enclosed a two-story administrative office wing for staff and a Multi-use Senior Center that included class rooms, and multipurpose community meeting rooms. Hammond & Associates provided engineering services for the demolition of the existing City Hall and Fire Station Building. | Role: Electrical Engineering Designer.

## 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	
<b>Morris Williams</b>	<b>Senior Inspector</b>	a. TOTAL	b. WITH CURRENT FIRM
		<b>40+</b>	<b>2</b>

15. FIRM NAME AND LOCATION (City and State)  
**Rummel, Klepper & Kahl, LLP | Miami, FL**

16. EDUCATION (Degree and Specialization)

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)  
**TIN #W45254150**

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

Morris is a detail-oriented inspector with extensive experience in the CEI industry. His construction experience includes new construction, reconstruction, resurfacing, widening and bridge construction. His technical capabilities include asphalt paving, earthwork, lighting, signalization, signals, sidewalk, drainage, and landscaping.

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	<b>FDOT District Six   Okeechobee Road from East of NW 107 Avenue to East of NW 116 Way, Miami-Dade County, FL</b>	N/A	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	As Senior Inspector, Morris is responsible for oversight, inspection and documentation of contractor operations and sampling/testing of construction materials. The project scope consists of reconstruction of Okeechobee Rd including a new second lane overpass, four bridges and ramps, as well as the addition on sewer lift station, installation of a new 102" culvert, relocation of an existing 24" sewer line, major drainage work, upgrading roadway lighting with LED luminaires, improvements to traffic and pedestrian signage, pavement markings, and signalization, as well as the addition of an all-new ITS. <b>Cost:</b> \$105.6 million.		
b.	<b>Village of Pinecrest   SW 58th Avenue Drainage Improvements and Various Resurfacing, Miami-Dade County, FL</b>	N/A	2023
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Inspector responsible for oversight of contractor operations including excavations, backfill, drainage structures, pipe and french drain, asphalt pavement including milling and resurfacing, and review of contractor placed maintenance of traffic. Other responsibilities include review of pay applications and coordination with owner regarding final acceptance of the projects. Morris supports the RK&K project administrator in the overall administration of the construction contracts. <b>Cost:</b> N/A		
c.	<b>FDOT District Six   Krome Avenue from SW 88th Street to South of SW 136 Street, Miami-Dade County, FL</b>	N/A	2018
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
	Senior Inspector responsible for monitoring and documenting construction for conformity with contract docs, supervise inspectors and assign responsibilities. Inspect and test construction materials. Generate pay quantities for contractor's monthly draw. The project consisted of the construction of a new four-lane divided section with shoulders on the inside and outside of the road. The project included complete clearing and grubbing, demucking and subsoil excavation, utility relocation, new water main and sewer line, embankments, stabilization, concrete pavement, asphalt pavement, a new complete street lighting system, signalization system, signs and marking, traffic monitoring systems, guardrail construction and relocation of existing CSX railway crossing Krome Avenue. <b>Cost:</b> \$34 million.		
d.	<b>City of Hialeah   SR 916/NW 138th Street from W 12th Avenue/NW 67 Avenue to W 4th Avenue/NW 57 Avenue, Miami-Dade County, FL</b>	N/A	2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
	Senior Inspector responsible for monitoring and documenting construction activity for conformity to Specs and plans, inspect and test construction materials and generate pay quantities for contractor's monthly draw. This was a JPA (Joint Participation Agreement)/LAP (Local Agency Program) project between FDOT and the City of Hialeah. The improvements under this contract consist of roadway resurfacing, rehabilitation with widening, drainage, lighting and signalization, Etc. of SR 916 / 138th Street, between W 4th Avenue and W 12th Avenue in the City of Hialeah for approximately 1.055 miles. <b>Cost:</b> \$3.9 million.		



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
<b>Jason Lyle, PE</b>	<b>Transportation Engineer</b>	a. TOTAL	b. WITH CURRENT FIRM
		<b>26</b>	<b>6</b>

15. FIRM NAME AND LOCATION (City and State)  
**Rummel, Klepper & Kahl, LLP | Lakeland, FL**

16. EDUCATION (Degree and Specialization)      17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)  
**BS, Civil Engineering**      **FL PE #69009**

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

Jason's experience includes the design of new sidewalks and trails, pedestrian bridges, roadway widenings, new construction, as well as RRR projects for various clients including the FDOT Districts One, Two, Three, and Seven; Florida's Turnpike Enterprise; as well as various counties and cities. His design experience includes establishing horizontal and vertical alignment; designing interchange and intersection geometry; preparing temporary traffic control plans (TTCP); preparing pavement designs, typical sections, and quantity estimates; and performing traffic signal warrants.

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	<b>Florida's Turnpike Enterprise   SR 91 (Florida's Turnpike Mainline) from MP 57.3 to MP 65.2 Resurfacing and Safety Improvements, Broward County, FL</b>	2023	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Project manager and EOR for the 7.9-mile resurfacing design of Florida's Turnpike Mainline (SR 91) in Broward County. The intent of the project is to mill and resurface the existing mainline travel lanes and shoulders, as well as implement recommended safety upgrades along SR 91. The existing ramps at Sunrise Boulevard and Commercial Boulevard will also be milled and resurfaced. SR 91 is an eight-lane divided limited access roadway with 12-foot travel lanes, 12-foot inside and outside paved shoulders, and a concrete barrier separated median. <b>Fee:</b> \$1.2 million.		
b.	<b>Collier County   Professional Services Library – Civil Engineering, Collier County, FL</b>	2020	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Contract manager for this task-based as-needed civil engineering services contract. Tasks that may be assigned through this contract include, but are not limited to, the following types of professional services: highway/roadway, transportation, structural, traffic, water/wastewater engineering; transportation planning; surveying and mapping services; stormwater management; sidewalk design; noise studies; intelligent transportation systems (ITS); environmental permitting; natural resources; lighting design; subsurface utility engineering; and construction site planning. Jason served as task manager/EOR for the design of speed tables along Donna Street and Solana Road, sidewalk along Peters Avenue, and paved shoulders along Goodlette Road. <b>Fee:</b> \$35K.		
c.	<b>FDOT District One   US 92 (SR 600) Resurfacing from West of Fish Hatchery Road to East of Reynolds Road, Polk County, FL</b>	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Project manager and Engineer of Record (EOR) responsible for managing scope, budget, and schedule; leading coordination efforts with FDOT, design team, and stakeholders; and delivering the final project design. This resurfacing project included milling and resurfacing approximately one-half mile of US 92 (SR 600) which included identifying proposed FDOT right-of-way (ROW) requirements, including driveway and street connections. This project required modification of all driveways along the FDOT ROW to meet current standards, as well as designing the modification of the median opening at Thompson Road with an extension of the left-turn lane onto Reynolds Road. Special coordination with the District One Rail Office was needed due to the CSX railroad crossing just west of the intersection. <b>Fee:</b> \$ 538K.		
d.	<b>FDOT District Seven   SR 586 (Curlew Road) Resurfacing from East of Talley Drive (69th Street) to SR 584 (Tampa Road), Pinellas County, FL</b>	2021	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Project manager and EOR responsible for managing scope, budget, and schedule; coordinating with stakeholders and FDOT District Seven; and delivering the final project design. The primary objectives of this 2.44-mile RRR of SR 586 (Curlew Road) project are to rehabilitate the existing pavement, convert existing full-median openings into safer directional openings, replace deficient sidewalks, and upgrade curb ramps to meet current ADA standards. Improvements to the signalized intersections include vehicle detection replacements, backplate additions, pedestrian feature modifications, vehicle change/clearance intervals/pedestrian timing updates, and intersection lighting additions. <b>Fee:</b> \$647K.		



## 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	
<b>Norman Rhoden</b>	<b>CEI Inspector</b>	a. TOTAL	b. WITH CURRENT FIRM
		<b>24</b>	<b>10</b>

15. FIRM NAME AND LOCATION (City and State)  
**Rummel, Klepper & Kahl, LLP | Miami, FL**

16. EDUCATION (Degree and Specialization) <b>AS, Construction Technology</b>	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>TIN #R35063263</b>
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
 Norman has vast transportation construction inspection and engineering (CEI) experience. He has a strong background in materials certification, especially as it relates to earthwork and concrete. In addition, he has extensive experience working on projects with utilities, structures, drainage including pump stations, signals, lighting, landscape and various other roadway characteristics.

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	<b>FDOT District Six   SR909/West Dixie Highway from NE 129 Street to 151 Street, Miami-Dade County, FL</b>	N/A	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Inspector, Norman is responsible for oversight, inspection and documentation of contractor operations and sampling/testing of materials. The scope consists of resurfacing and safety improvements, construction of curb/gutter, sidewalk, ADA ramps, drainage installation, signalization and lighting, landscaping, signage, and pavement markings. <b>Cost:</b> \$5.7 million.		
b.	<b>FDOT District Six   Okeechobee Road from East of NW 107 Avenue to East of NW 116 Way, Miami-Dade County, FL</b>	N/A	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Inspector responsible for oversight, inspection and documentation of contractor operations and sampling/testing of construction materials. The project scope consists of reconstruction of Okeechobee Rd including a new second lane overpass, four bridges and ramps, as well as the addition on sewer lift station, installation of a new 102" culvert, relocation of an existing 24" sewer line, major drainage work, upgrading roadway lighting with LED luminaires, improvements to traffic and pedestrian signage, pavement markings, and signalization, as well as the addition of an all-new ITS. <b>Cost:</b> \$105.6 million.		
c.	<b>FDOT District Four   Lyons Road from C-14 Canal to Sawgrass Expressway Broward County, FL</b>	N/A	2022
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Inspector responsible for oversight, inspection and documentation of contractor operations and sampling/testing of construction materials. The scope consists of widening Lyons Road from two feet to seven feet to provide buffered bike lanes in both directions, as well as constructing sidewalk, curb/gutter, drainage, lighting, signalization, signing, and pavement marking improvements. <b>Cost:</b> \$11 million.		
d.	<b>FDOT District Six   NW 87th Avenue from NW 74th Street to NW 103rd Street Miami-Dade County, FL</b>	N/A	2018
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Inspector responsible for oversight, inspection and documentation of contractor operations and sampling/testing of construction materials. The project consisted of new construction and reconstruction of NW 87th Avenue in Miami-Dade County. Scope of work included muck removal, channel excavation, embankment, subgrade and base construction, drainage installation, water mains installation (JPA), new bridge construction across canal, new bulkhead wall, new lighting installation, new signalization installation, barrier wall, guardrail installation, landscaping and signing and pavement markings. <b>Cost:</b> \$32 million.		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
<b>Angel Cano, PE</b>	<b>CEI Senior Project Engineer</b>	a. TOTAL	b. WITH CURRENT FIRM
		<b>20</b>	<b>14</b>

15. FIRM NAME AND LOCATION (City and State)  
**Rummel, Klepper & Kahl, LLP | Miami, FL**

16. EDUCATION (Degree and Specialization) <b>BS, Mechanical Engineering</b>	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>FL PE #71747 TIN #C5000078</b>
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
 Angel has experience in transportation and civil engineering, construction project management, as well as CEI for FDOT Districts Four and Six and FTE. He is experienced in critical path method (CPM) schedule development and review, design-build project management, quality control management, planning, public transportation, traffic operations, and maintenance engineering. In addition, he is known for his exceptional background in materials tracking and project scheduling and has served FDOT in multiple capacities throughout his career.

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	<b>Seminole Tribe of Florida   Billie Road and Frank Shore Improvements, Okeechobee County, FL</b>	N/A	2023
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Project Engineer in charge of the oversight of contractor operations, preparation, and maintenance of project documentation, including monthly payments and contract administration. The project is located on the Brighton Seminole Indian Reservation and includes roadway and drainage improvements to Billie Road, Billie Road Extension and approximately 3,000 linear feet of Frank Shore Road. The construction includes a new road with an asphalt turnout, drainage, waterline, concrete endwalls, sidewalks, driveways, and signing and pavement markings. <b>Cost:</b> \$1.5 million.		
b.	<b>Florida Turnpike Enterprise   Sawgrass Canal Revetment Phase 4, Broward County, FL</b>	N/A	2021
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Part-time Senior Project Engineer in charge of the stabilization of the banks along the canals behind the sound walls located on the northbound side of the Sawgrass Expressway/SR 869 from the continuation of Walls Six and Seven. The canal banks suffered excessive erosion resulting in voids along the canal embankment. Due to this undermining, the re-establishment of the canal slopes was critical to the stabilization of the adjacent sound walls and roadway and the aesthetic quality of the features as they relate to the adjacent residential communities across the canals. <b>Cost:</b> \$7.8 million.		
c.	<b>FDOT District Four   Contract C9D17 District Wide CEI Local Agency Program, Broward, Palm Beach, Martin, St. Lucie, and Indian River Counties, FL</b>	N/A	2018
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Senior Project Engineer responsible for CEI LAP oversight for the Crosstown Bridge Project in Port St. Lucie. The scope included the oversight of various municipal projects for the City of Tamarac, Broward County, and the City of Port St. Lucie. Projects included milling and resurfacing, drainage, lighting, signalization, and roadway and bridge reconstruction. <b>Cost:</b> \$88 million.		
d.	<b>FDOT District Four   Districtwide Maintenance of Traffic Project Reviews, Broward, Indian River, Martin, Palm Beach, and St. Lucie Counties, FL</b>	N/A	2020
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Project Administrator responsible for the independent inspection of the MOT operations of the all the active projects throughout the entire District from Broward County to Indian River County to verify uniformity and consistency in the application of FDOT Design Standards and contract requirements. This entailed 41 projects overall. <b>Cost:</b> N/A.		

## 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	
<b>M. Patricia Ahumada</b>	<b>CEI Resident Compliance Specialist</b>	a. TOTAL	b. WITH CURRENT FIRM
		<b>20</b>	<b>15</b>

15. FIRM NAME AND LOCATION (City and State)  
**Rummel, Klepper | Miami, FL**

16. EDUCATION (Degree and Specialization)      17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)  
**BA, Art Education**

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
 Patricia has experience in administrative and project accounting services for construction management, including document control, report preparation and tracking accountability for project costs. In addition, Patricia has served in the role of Assistant Resident Compliance Specialist on multiple FDOT projects ensuring that all relevant construction contract documentation adheres to FHWA and FDOT requirements for DBE/EEO/OJT/Payroll, etc. In addition, she provides marketing and proposal presentation support and contract management support including review of invoice processing.

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	<b>FDOT District Six   Okeechobee Road from East of NW 107 Avenue to East of NW 116 Way, Miami-Dade County, FL</b>	N/A	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Resident Compliance Specialist responsible for ensuring contractor compliance with FHWA 1273 requirements and those for DBE/EEO/OJT. Patricia is also responsible for document control and supporting the various Senior Project Engineer, Project Administrators and Contract Support Specialists in the administration of the construction contracts. The project scope consists of reconstruction of Okeechobee Rd including a new second lane overpass, four bridges and ramps, as well as the addition on sewer lift station, installation of a new 102" culvert, relocation of an existing 24" sewer line, major drainage work, upgrading roadway lighting with LED luminaires, improvements to traffic and pedestrian signage, pavement markings, and signalization, as well as the addition of an all-new ITS. Cost: \$105.6 million.		
b.	<b>FDOT District Six   NW 87th Avenue Reconstruction from NW 74th Street to NW 103rd Street, Miami-Dade County, FL</b>	N/A	2019
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Patricia was responsible for document control of all project-related files and documentation and verifying Compliance requirements for the project. This project involved new construction and reconstruction of NW 87th Avenue in Miami-Dade County. The scope of work included muck removal, channel excavation, embankment, subgrade and base construction, drainage installation, water mains installation (JPA), new bridge construction, new bulkhead wall, new lighting installation, new signalization installation, barrier wall, guardrail installation, landscaping and signing, and pavement markings. <b>Cost:</b> \$32 million.		
c.	<b>FDOT District Six   Krome Avenue (SR 997) from MP 5.121 to 8.151 and Krome Avenue (SR 997) from MP 8.1151 to 10.935, Miami-Dade County, FL</b>	N/A	2017
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Document Control Specialist responsible for document control of all project-related files and documentation and verifying Compliance requirements for the project. The scope of work included muck removal, embankment, subgrade and base construction, drainage installation, animalculvert crossing, asphalt, new lighting installation, guardrail installation, and signing and pavement markings. <b>Cost:</b> \$37 million.		
d.	<b>FDOT District One   Heartland Operations Center, Sebring, FL</b>	N/A	2022
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Center Resident Compliance Specialist responsible for ensuring contractor compliance with FHWA 1273 requirements and those for DBE/EEO/OJT. Patricia is also responsible for document control and supporting the various Senior Project Engineer, Project Administrators and Contract Support Specialists in the administration of the construction contracts. <b>Cost:</b> N/A.		

## 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	
<b>Joseph Baan, PE</b>	<b>Transportation Engineer</b>	a. TOTAL	b. WITH CURRENT FIRM
		<b>20</b>	<b>7</b>

15. FIRM NAME AND LOCATION (City and State)  
**Rummel, Klepper & Kahl, LLP | Lakeland, FL**

16. EDUCATION (Degree and Specialization) <b>MS, Engineering Management</b> <b>BS, Chemical Engineering</b>	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>FL PE #70646</b>
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
 Joseph's experience includes roadway and drainage engineering for major and minor projects in the design, PD&E, and construction phases. He has worked on resurfacing, complete streets, new alignment, widening, interstate, and trail projects. He has provided exemplary service to a wide range of clients, including FDOT Districts One, Three, Five, and Seven; Florida's Turnpike Enterprise; Polk County; and several municipalities throughout Florida.

### 19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE
<b>Florida's Turnpike Enterprise   SR 91 (Florida's Turnpike Mainline) from MP 57.3 to MP 65.2 Resurfacing and Safety Improvements, Broward County, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)	<input checked="" type="checkbox"/> Check if project performed with current firm
	2023	N/A	
a. Lead roadway engineer for the 7.9-mile resurfacing of Florida's Turnpike Mainline (SR 91) in Broward County. The intent of the project is to mill and resurface the existing mainline travel lanes and shoulders, as well as implement recommended safety upgrades along SR 91. The existing ramps at Sunrise Boulevard and Commercial Boulevard will also be milled and resurfaced. SR 91 is an eight-lane divided limited access roadway with 12-foot travel lanes, 12-foot inside and outside paved shoulders, and a concrete barrier separated median. <b>Fee:</b> \$1.2 million.			
<b>FDOT District One   US 92 (SR 600) Resurfacing from West of Fish Hatchery Road to East of Reynolds Road, Polk County, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)	<input checked="" type="checkbox"/> Check if project performed with current firm
	2020	N/A	
b. Project engineer and drainage Engineer of Record (EOR) responsible for the final drainage design. This resurfacing project included milling and resurfacing approximately one-half mile of US 92 (SR 600) which included identifying proposed FDOT right-of-way (ROW) requirements, including driveway and street connections. This project required modification of all driveways along the FDOT ROW to meet current standards, as well as designing the modification of the median opening at Thompson Road with an extension of the left-turn lane onto Reynolds Road. Special coordination with the District One Rail Office was needed due to the CSX railroad crossing just west of the intersection. <b>Fee:</b> \$ 538K.			
<b>Polk County   Continuing Engineering Services for Polk County Roads and Drainage, Polk County, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)	<input checked="" type="checkbox"/> Check if project performed with current firm
	Ongoing	N/A	
c. Contract and project manager responsible for managing scope, budget and project schedules. leads coordination efforts with the client, design team and stakeholders of this task work-order based contract supporting Polk County with a wide range of technical, engineering, scientific, and architectural services. Tasks assigned to RK&K have involved the investigation of a drainage issue along Country Oaks Lane and the corresponding design solution; preparing two Federal Emergency management Agency (FEMA) Hazard Mitigation grant applications; intersection improvements at the Reynolds Road at US 92 intersection, alternatives analysis for the For Fraser Trail, design and permitting of a roundabout at the intersection of Galloway Road and Sleepy Hill Road, and intersection improvements at Main Street and Combee Road (SR 659). <b>Fee:</b> \$1.03 million.			
<b>FDOT District Seven   SR 586 (Curlew Road) Resurfacing from East of Talley Drive (69th Street) to SR 584 (Tampa Road), Pinellas County, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)	<input checked="" type="checkbox"/> Check if project performed with current firm
	2021	N/A	
d. Project engineer responsible for roadway and drainage design for the resurfacing of this 2.44-mile urban corridor. The primary objective of this project is to rehabilitate the existing pavement, convert existing full-median openings into safer directional openings, replace deficient sidewalks, and upgrade curb ramps to meet current ADA standards. Improvements to the signalized intersections include vehicle detection replacements, backplate additions, pedestrian feature modifications, vehicle change/clearance intervals/pedestrian timing updates, and intersection lighting. <b>Fee:</b> \$647K.			

## 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	
<b>Gilbert Luckie</b>	<b>CEI Senior Inspector</b>	a. TOTAL	b. WITH CURRENT FIRM
		<b>19</b>	<b>9</b>

15. FIRM NAME AND LOCATION (City and State)  
**Rummel, Klepper & Kahl, LLP | Miami, FL**

16. EDUCATION (Degree and Specialization) <b>AS , Metrology &amp; Electro Thermo Technical Magnitudes</b>	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>TIN #L20028356</b>
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
 Gilbert has vast transportation construction inspection experience, which includes roadway, utilities (watermain and drainage), rail crossing construction, Intelligent Transportation System (ITS), and miscellaneous structure elements, and signage and pavement markings. He has extensive experience in asphalt-intensive projects, as well as projects involving earthwork and underground utility (watermain and drainage) installation and fiber installation inspection.

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	<b>FDOT District Four   Lyons Road from C-14 Canal to Sawgrass Expressway, Broward County, FL</b>	N/A	2022
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Senior Inspector responsible for the oversight, inspection, and documentation of operations. He monitors, documents, and quantifies operations related to asphalt pavement, earthwork, concrete, signals, lighting, drainage, and quality including verification sampling and testing. He also assists the Project Engineer in the administration of the construction contract including final estimates and material certification. The scope consists of widening Lyons Road from 2' to 7' to provide buffered bike lanes in both directions, as well as constructing sidewalk, curb/gutter, drainage, lighting, signalization, signing, and pavement marking improvements. <b>Cost:</b> \$11 million.		
b.	<b>FDOT District Six   NW 87th Avenue from NW 74th Street to NW 103rd Street, Miami-Dade County, FL</b>	N/A	2018
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Senior Inspector responsible for the oversight, inspection, and documentation of contractor milling and resurfacing, watermain installation, earthwork, drainage, lighting, and signalization operations. He also assisted the project engineer in the administration of the construction contract including final estimates and material certification. The project consisted of the new construction and reconstruction of NW 87th Avenue in Miami-Dade County. The scope of work included muck removal, channel excavation, embankment, subgrade and base construction, drainage installation, water mains installation (JPA), new bridge construction, new bulkhead wall, new lighting installation, new signalization installation, barrier wall, guardrail installation, landscaping, and signing and pavement markings. <b>Cost:</b> \$32 million.		
c.	<b>Seminole Tribe of Florida   Mabel T. Frank Parcel Unit Development (PUD), Big Cypress Reservation</b>	N/A	2021
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Senior Inspector responsible for the oversight, inspection, and documentation of operations. He monitors and documents work and quantities related to asphalt pavement, earthwork, concrete, and quality including verification sampling and testing. Gilbert also assists the Project Engineer in the administration of the construction contract including final estimates and materials certification. The project consisted of the Construction, Engineering, and Inspection (CEI) services for this 44-acre land development project located on the Seminole Tribe of Florida's Big Cypress Reservation. The Mabel T. Frank Parcel Unit Development (PUD) project includes land development that will support 17 one-and-half-acre single family homes and 32 quarter-acre multi-family units adjacent to an eight-acre lake with an aeration fountain. The scope elements include new roadway, stormwater facilities, lake construction, pavement markings, signing, landscaping, gravity sewer, watermain, storm sewer, a sanitary duplex lift station, lighting/ electrical/telecommunication conduit, and concrete curbing. <b>Cost:</b> N/A		
d.	<b>FDOT District Six   Keys Residency - SR 5/US 1 Overseas Highway from Jerome Avenue to Smugler Cove Entrance, Miami-Dade County, FL</b>	N/A	2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Senior roadway inspector responsible for oversight, related installations, inspection, sampling, testing, and documentation of contractor operations and assisting the Project Administration in contract administration. Keys Residency - SR 5/US 1 Overseas Highway from Jerome Avenue to Smugler Cove Entrance. <b>Cost:</b> \$2.1 million.		



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
<b>Erick Garcia</b>	<b>CEI Project Administrator</b>	a. TOTAL	b. WITH CURRENT FIRM
		<b>17</b>	<b>3</b>

15. FIRM NAME AND LOCATION (City and State)  
**Rummel, Klepper & Kahl, LLP | Miami, Florida**

16. EDUCATION (Degree and Specialization) <b>High School Diploma</b>	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>TIN #G62021783</b>
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
 Erick has extensive experience in the transportation CEI industry. He has served in numerous roles, most recently supporting FDOT D4 Palm Beach Ops as a Utility Coordinator and Maintenance Contract Specialist where one of his duties is to review temporary and permanent MOT setup. As a Senior Traffic Signalization/ITS Inspector for FDOT BOPS, he participated in the coordination and final inspection of projects in Broward County. He was responsible for documenting all signalization, lighting, fiber, and signal electrical communication deficiencies on all FDOT projects and was instrumental in the final acceptance and maintenance transfer of the respective projects.

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
a.	<b>FDOT District Six   Okeechobee Road from East of NW 107 Avenue to East of NW 116 Way, Miami-Dade County, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
		N/A	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	ITS Project Administrator responsible for oversight and coordination of all related project ITS scope. The scope of work includes six new bridges, roadway reconstruction with rigid (concrete) and flexible (asphalt) pavement, widening, drainage including a 102" culvert and outfall into the Miami Canal, French drain, new signalization, lighting, signage, pavement markings, installation of force main and water main features for Miami-Dade Water and Sewer and a lift station for the Town of Medley, as well as installation of Closed Circuit Television (CCTV), Microwave Vehicle Detection System (MVDS), and Bluetooth devices, along with all relevant cabinets, poles, conduit, fiber optic cable, pull and junction boxes, and power service. <b>Cost:</b> \$105.6 million.		
b.	<b>FDOT District Four   Palm Beach Operations, Contracts CAK60 and BE566, Palm Beach County, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
		N/A	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Erick serves as an extension of FDOT filling the roles of Signalization Coordinator, Contracts Specialist, and Utility Coordinator, supporting in-house and consultant personnel by administering project supervision and inspection on a variety of projects assigned through Task Work Orders (TWO). He is responsible for coordinating meetings, pre-inspections and final inspections with project teams and maintaining agencies and assist in training field staff, coordinated all pre-activity meetings with in-house staff and contractors, addressed maintenance trackers for damages throughout the County, and inspected and documented all completed work daily, and monitors and inspects completed construction projects during the warranty period, documents and enters results into the Contract Information & Monitoring System (CIMS), ensured inspections were performed and deficiencies were corrected to the end of the warranty period. <b>Cost:</b> N/A		
c.	<b>FDOT District Four   Fort Lauderdale General Assignment/Mast Arm Signal Restoration Project, Broward County, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
		N/A	2017
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
	Utility Coordinator and Senior Traffic Signalization/ITS Inspector responsible for the daily reports of construction for all signalization and signing and pavement markings push button contracts, preliminary inspections, and final inspections with Broward County and various municipalities, as well as applying the various standards and specifications associated with signalization, lighting, and communications. He performed utility coordination, electrical signal, lighting, ITS inspections on all work orders associated with signalization push button contracts and FDOT resurfacing, restoration and rehabilitation (RRR) signalization projects for the Signalization and Lighting Coordination Team. He was involved in the oversight of all signalization final inspections of FDOT projects and the maintenance transfer of all finalized projects in accordance with FDOT specifications. Erick also served as a Senior Traffic Signal Inspector for the Mast Arm Signal Restoration Project with duties that included inspections, field testing, and documentation of the sand blasting preparation/paint restoration procedures of all 65 structures and assisted on the mast arm replacements per FDOT's Road and Bridge Construction Specifications. In this capacity, one of Erick's primary responsibilities was during construction coordination with various relevant utility owners including FP&L (power), AT&T (communications), and various others for final service and resolution of any conflicts.		

## 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	
<b>Pastor "Felipe" Gonzalez, PE</b>	<b>CEI Senior Project Engineer</b>	a. TOTAL	b. WITH CURRENT FIRM
		<b>15</b>	<b>8</b>

15. FIRM NAME AND LOCATION (City and State)  
**Rummel, Klepper & Kahl, LLP | Miami, FL**

16. EDUCATION (Degree and Specialization) <b>MS, Engineering Management</b> <b>BS, Civil Engineering</b>	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>FL PE #77579</b> <b>TIN #G52466676</b>
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
 Felipe has FDOT experience including Construction Project Management and CEI, primarily for District Six. Felipe is well versed in Department procedures and material testing and certification. In addition, Felipe has experience in traffic operations, maintenance engineering, planning, and public transportation. As FDOT Project Manager, Felipe managed projects for South Dade Construction.

### 19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>FDOT District Four   Lyons Road from C-14 Canal to Sawgrass Expressway, Broward County, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
	N/A	2022
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
a. Senior Project Engineer responsible for the review and approval of the construction schedule, the implementation of the public awareness plan, the Quality Assurance of project documentation (monthly and final estimates packages, supplemental agreements, change orders, time extensions, material certification, etc.), claims resolution, and the coordination of day-to-day activities between the contractors, municipalities, permitting agencies and the Department. The scope consists of widening Lyons Road from two feet to seven feet to provide buffered bike lanes in both directions, as well as constructing sidewalk, curb/gutter, drainage, lighting, signalization, signing, and pavement marking improvements. <b>Cost:</b> \$11 million.		
<b>FDOT District Six   SR 997/Krome Avenue from SW 296th Street to South of SW 232nd Street, Miami-Dade County, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
	N/A	2021
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
b. Senior Project Engineer responsible for the administration of the construction contract and the CEI oversight contract, contract interpretation, preparation of project documentation and public information efforts. This project was a complete widening and reconstruction of Krome Avenue from two-undivided lanes with a two-way left-turn lane to four-undivided lanes with a two-way left-turn lane. Scope of work includes installing drainage, mast arm foundations, curb and gutter, driveways, sidewalks, and curb ramps. <b>Cost:</b> \$31.7 million.		
<b>FDOT District Six   NW 87th Avenue from NW 74th Street to NW 103rd Street, Miami-Dade County, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
	N/A	2019
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
c. Project Administrator responsible for the administration of the construction contract, preparation of project documentation and public information efforts. New construction and reconstruction of NW 87th Avenue in Miami-Dade County. The scope of work included muck removal, channel excavation, embankment, subgrade and base construction, drainage installation, water mains installation (JPA), new bridge construction, new bulkhead wall, new lighting installation, new signalization installation, barrier wall, guardrail installation, landscaping and signing and pavement markings. <b>Cost:</b> \$32 million.		
<b>FDOT District Six   Krome Avenue (SR 997) from MP 5.121 to 8.151 and from MP 8.151 to 10.935, Miami-Dade County, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
	N/A	2017
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
d. Project Administrator responsible for the administration of the construction contracts, preparation of project documentation and public information efforts. New construction and reconstruction of Krome Avenue. The scope of work included muck removal, embankment, subgrade and base construction, drainage installation, animal culvert crossing, asphalt, lighting installation, guardrail and signing and pavement marking installation. <b>Cost:</b> \$37 million.		



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
<b>Gustavo Morris, PE</b>	<b>CEI Project Administrator</b>	a. TOTAL	b. WITH CURRENT FIRM
		<b>13</b>	<b>6</b>

15. FIRM NAME AND LOCATION (City and State)  
**Rummel, Klepper & Kahl, LLP | Miami, FL**

16. EDUCATION (Degree and Specialization) <b>BS, Civil Engineering</b>	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>FL PE #80905 TIN #M62028584</b>
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
 Gustavo has CEI experience with roadway, bridges, intelligent transportation systems (ITS), structures, traffic signals, lighting, electrical, and toll building operations.

### 19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>FDOT District Four   CEI Services for US-1 from I-595 to Broward Boulevard, Broward County, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
	N/A	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
a. Assistant Project Administrator responsible for preparation and oversight of all project documentation including the processing of progress estimates, material certification, and the Final Estimates Packages, as well as being heavily involved in construction contract administration including negotiation and resolution of various project related issues. The project improvements include rehabilitating the structural, mechanical, electrical, architectural, and life safety components of the Henry E. Kinney Tunnel; milling and resurfacing SR 5/ US-1 from Rio Vista Boulevard to south of the Tunnel; installing Intelligent Transportation Systems (ITS) along SR 5/ US-1; extending the tunnel top to accommodate a pedestrian plaza which will include new fountains, seating facilities, re-designed brick pavers, artificial turf and landscape installation, and reconstructing the intersection of Las Olas Boulevard at SE 6th Avenue. <b>Cost:</b> \$28.4 million.		
<b>FDOT District Six   Krome South #4 - SR 997/Krome Avenue from SW 296th Street to SW 232nd Street and SR 997/Krome Avenue from SW 312th Street/Campbell Drive to SW 296th Street, Miami-Dade County, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
	N/A	2021
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
b. Contract Support Specialist responsible for preparation and oversight of all project documentation including the processing of progress estimates, material certification, and the Final Estimates Package(s). New construction and reconstruction of NW 87th Avenue in Miami-Dade County. Scope of work included muck removal, channel excavation, embankment, subgrade and base construction, drainage installation, water mains installation (JPA), new bridge construction, new bulkhead wall, new lighting installation, new signalization installation, barrier wall, guardrail installation, landscaping and signing, and pavement markings. <b>Cost:</b> \$31.7 million.		
<b>FDOT District Six   NW 87th Avenue from NW 74th Street to NW 103rd Street Miami-Dade County, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
	N/A	2019
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
c. Contract Support Specialist responsible for preparation and oversight of all project documentation including the processing of progress estimates, material certification, and the Final Estimates Package(s). New construction and reconstruction of NW 87th Avenue in Miami-Dade County. Scope of work included muck removal, channel excavation, embankment, subgrade and base construction, drainage installation, water mains installation (JPA), new bridge construction, new bulkhead wall, new lighting installation, new signalization installation, barrier wall, guardrail installation, landscaping and signing, and pavement markings. <b>Cost:</b> \$32 million.		
<b>FDOT District Four   I-95 from Dade/Broward County Line to I-595, Broward County, FL</b>	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
	N/A	2016
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
d. Senior Inspector responsible for inspecting, verifying, and accepting the correct installation of all approved ITS, electrical components, MSE walls, bridge work, lighting, traffic signal, and roadway work. This project included many complex components, including but not limited to: 12 miles of roadway widening on I-95, ITS installation for tolling and traffic monitoring systems, Power Distribution System, Turnpike Infrastructure installation, numerous cantilever and truss sign structures, traffic control devices for express lanes, drainage, asphalt resurfacing and overbuild, earthwork, bridge widening, as well as major modifications and widening at the Ives Dairy Road and I-95 Interchange. <b>Cost:</b> \$112 million.		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
<b>Joseph Poerio</b>	<b>CEI Contract Support Specialist</b>	a. TOTAL	b. WITH CURRENT FIRM
		<b>12</b>	<b>9</b>

15. FIRM NAME AND LOCATION (City and State)  
**Rummel, Klepper & Kahl, LLP | Miami, FL**

16. EDUCATION (Degree and Specialization)      17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)  
**BS, Engineering related coursework**      **TIN #P60049688**

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
 Joseph has thorough experience in roadway and bridge CEI and is an experienced and highly capable Contract Support Specialist, submitting multiple quality Final Estimate packages to FDOT District 4. Past duties have included inspection, sampling, and testing of roadway and structures operations including embankment, sub-grade, base, asphalt, concrete, drainage items, MSE wall construction, pile driving operations, and the inspection of bridge components (substructure and superstructure). Joey performs office administration duties related to construction contract administration and preparation of the Final Estimates (final payment) package.

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	<b>FDOT District Six   Okeechobee Road from East of NW 107 Avenue to East of NW 116 Way, Miami-Dade County, FL</b>	N/A	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Assistant Contract Support Specialist/Senior Inspector supporting the oversight, inspection, and documentation of contractor operations and sampling/testing of construction materials. The project scope consists of reconstruction of Okeechobee Road including a new second lane overpass, four bridges and ramps, as well as the addition on sewer lift station, installation of a new 102" culvert, relocation of an existing 24" sewer line, major drainage work, upgrading roadway lighting with LED luminaires, improvements to traffic and pedestrian signage, pavement markings, and signalization, as well as the addition of an all-new ITS. <b>Cost:</b> 105.6 million.		
b.	<b>FDOT District Four   Lyons Road from C-14 Canal to Sawgrass Expressway, Broward County, FL</b>	N/A	2022
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Contract Support Specialist responsible for the preparation, management and oversight of all project documentation including processing of progress estimates, material certification, and the Final Estimates Package. He monitored operations related to drainage, asphalt pavement, earthwork, concrete, signalization, etc., and verified sampling and testing of field materials. He assisted the project engineer in the administration of the construction contract including final estimates, material certification, and permitting. The scope consisted of widening Lyons Road from 2 feet to 7 feet to provide buffered bike lanes in both directions, as well as constructing sidewalk, curb/gutter, drainage, lighting, signalization, signing, and pavement marking improvements. <b>Cost:</b> \$11 million.		
c.	<b>FDOT District Four   SR A1A/Ocean Drive from Monroe Street to Sheridan Street, Broward County, FL</b>	N/A	2020
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Contract Support Specialist responsible for the preparation and accuracy of quality assurance of project documentation (monthly and final estimates packages, supplemental agreements, change orders, time extensions, material certification, etc.), claim resolution, and the coordination of day to day activities between the contractors, municipalities, permitting agencies and the FDOT, assisting in review and approval of the construction (CPM) schedule, in the implementation of the public awareness plan, and in the oversight and inspection of construction operations <b>Cost:</b> \$9.3 million.		
d.	<b>FDOT District Four   I-75 Express Lanes Segments A &amp; B, Broward County, FL</b>	N/A	2018
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Senior Inspector responsible for daily record keeping (Site Manager), embankment, subgrade, base, asphalt, and concrete verification, Mechanically Stabilized Earth (MSE) Wall construction, general roadway construction, concrete structure inspection, pile driving operations, auger cast pile installation, and ground mounted sound wall construction. <b>Cost:</b> \$234 million.		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
<b>Ryan Jensen, PE</b>	<b>Transportation Engineer</b>	a. TOTAL	b. WITH CURRENT FIRM
		<b>10</b>	<b>&lt;1</b>

15. FIRM NAME AND LOCATION (City and State)  
**Rummel, Klepper & Kahl, LLP | Miami, FL**

16. EDUCATION (Degree and Specialization) <b>BS, Civil Engineering</b>	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>FL PE #86609</b>
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Ryan has engineering experience in transportation design, business development, marketing, and planning. His experience includes coordination with clients and stakeholder, preparing and negotiating scope and fees, new construction, reconstruction, widening, upgrading and improvements, complete street, roadway RRR, accelerated roundabout design, and multidiscipline infrastructure projects involving residential, commercial, and industrial properties including, various utilities, and environmental studies.

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	<b>FDOT District One   Resurfacing Continuing Services Contract, Poik County, Florida</b>	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Project engineer responsible for roadway design and reviewing TTC plans for this project. As the prime consultant under a multiple year on-call contract, RK&K will prepare contract documents including plans, specifications, supporting engineering analysis, calculations and other technical documents in accordance with FDOT policy, procedures and requirements for highway design projects. <b>Fee:</b> \$5 million.		
b.	<b>FDOT District One   SR 15 (US 98) From NW 3rd Street to NE 120th Street, Okeechobee County, FL</b>	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Project engineer responsible for quality control review of roadway design plans. This 2-mile long project involves resurfacing and safety improvements along US 19 and includes the limited access mainline, ramps, and frontage roads in an urban area of Clearwater. The scope includes geometric improvements at three interchanges, traffic signal relocation, and ADA upgrades. <b>Fee:</b> \$1.1 million.		
c.	<b>Broward County   Copans Road Mobility Enhancement, Margate &amp; Coconut Creek, FL</b>	N/A	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
	Project Manager/EOR responsible for designing and managing roadway and drainage elements as well as coordinating between FDOT and Broward County. This project enhances the mobility of pedestrians and bicyclist along Copans Road between SW 49th Terrace and SR 7 (US 41). In addition to the design of a ten-foot pedestrian and bicycle sidewalk, the project also upgraded five existing bus stops with new shelter foundations. The proposed foundations meet all current ADA standards and will tie into the proposed bicycle sidewalk. <b>Fee:</b> \$500K		
d.	<b>FDOT District Six   Golden Glades Truck Travel Center (GGTTC), Miami-Dade County, FL</b>	N/A	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
	Project engineer responsible for design of civil and roadway features and development of a detailed benefit-cost analysis for this travel center facility. He prepared multiple LREs to reflect adjustments in project elements and available funding. This work included developing definition and documentation of prior lump sum cost components, updating quantity takeoffs, and revisions for changes in unit costs for pay items. The initial truck travel center layout includes convenience/food store, truck parking spaces, auto and truck fueling areas, truck wash, truck spill containment area, truck repair building, and tandem truck staging area. The GGTTC project will help address the significant shortage of over-the-road, long-haul truck parking needs in Miami-Dade County. <b>Fee:</b> \$150K		

**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	
<b>Ryan Poerio</b>	<b>CEI Inspector Aide</b>	a. TOTAL <b>3</b>	b. WITH CURRENT FIRM <b>&lt;1</b>

15. FIRM NAME AND LOCATION *(City and State)*  
**Rummel, Klepper & Kahl, LLP | Miami, FL**

16. EDUCATION <i>(Degree and Specialization)</i> <b>High School Graduate</b>	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> <b>TIN #P60073391</b>
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Ryan has over 3 years' experience in the transportation construction industry including as a Quality Control Inspector, CEI Inspector and signal/lighting/ITS contractor laborer. He has knowledge in the requirements of documentation and field material sampling and testing of earthwork, asphalt, concrete, and other construction related operations. He is well versed in FDOT procedures, Specifications and the requirements for documentation, and oversight of contractor operations including Maintenance of Traffic.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>
<b>FDOT District Six   Okeechobee Road from East of NW 107 Avenue to East of NW 116 Way, Miami-Dade County, FL</b>	N/A	Ongoing
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
a. Inspector supporting the oversight, inspection, and documentation of contractor operations and sampling/testing of construction materials. The project scope consists of reconstruction of Okeechobee Road including a new second lane overpass, four bridges and ramps, as well as the addition on sewer lift station, installation of a new 102" culvert, relocation of an existing 24" sewer line, major drainage work, upgrading roadway lighting with LED luminaires, improvements to traffic and pedestrian signage, pavement markings, and signalization, as well as the addition of an all-new ITS. <b>Cost:</b> \$105.6 million.		

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

12. NAME Charles A. Michelson, AIA, ACHA, LEED AP	13. ROLE IN THIS CONTRACT Principal-In-Charge	14. YEARS EXPERIENCE	
		a. TOTAL 44	b. WITH CURRENT FIRM 44
15. FIRM NAME AND LOCATION (City and State) <b>Saltz Michelson Architects, Inc.</b> Fort Lauderdale, Florida			
16. EDUCATION (Degree and Specialization) Bachelor of Architecture, 1979, University of Miami Master of Urban and Regional Planning, 1981, University of Miami		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Registered Architect Florida, #9976 Registered Architect Georgia, #00874	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Professional Accreditation: Leadership in Energy and Environmental Design (LEED AP); American College of Healthcare Architects (ACHA). Professional Affiliations: American Institute of Architects (AIA), U.S. Green Building Council (USGBC), South Florida Hospital & Healthcare Association (SFHHA); Certificate of Completion: ASHE Healthcare Construction Certificate, 2004; Public Service: Facilities Task Force for the Broward County School Board, 1992-1999, Chairman 1994 - 1995, 1998, Smart Schools Task Force, Department of Management Services 1999-present, Construction & Design Subcommittee of the Broward Educational Planning Initiative, 1996.			

**10. RELEVANT PROJECTS**

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Memorial Healthcare System IT/Data Center, Pembroke Pines, Florida	2009	2009
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm A 17,400 SF, one-story, initial first phase, of the planned 52,800 SF, five-story main hub for the South Broward Hospital District's IT computer network. This facility serves five hospitals, District offices, and remote facilities. Due to the critical nature of the data stored here, the building has emergency generators to provide 100% capacity back-up in case of power failure and its structure is designed to withstand a 200 MPH. Cost: \$12,000,000. Role: Principal-In-Charge.		
Memorial Cardiac and Vascular Institute Memorial Hospital West Building 603, Pembroke Pines, Florida	2016	2016
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Complete interior renovation combining two medical office suites into one 6,500 SF suite. The construction was completed in two phases. Phase One was the completion of the unoccupied adjacent suite. The practice was then relocated into the Phase One suite as their existing suite was renovated under Phase Two. Phase Three was the removal of tenant demising wall and finishing up reception and waiting areas. Cost: \$7,400,000. Role: Principal-In-Charge.		
Broward County Continuing Contract, Various Locations, Florida	Ongoing	Ongoing
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Under the firm's continuing contract with the County (29 years), SMA has been involved with multiple projects with varying scopes, sizes and costs. Projects within the past five years include design criteria for the convention center, fourth floor renovation at Government Center West, first floor renovation at Government Center East, bus charging infrastructure, Judicial complex, and Judges bench. Cost: Various. Role: Principal-in-Charge.		
Memorial Healthcare System Continuing Contract Broward County, Florida	1995 - Present	1995 - Present
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Our open ended contract with Memorial Healthcare System (27 consecutive years) has included projects within Memorial Regional Hospital, Memorial Regional Hospital South, Memorial Hospital Pembroke, Memorial Hospital Miramar, Memorial Hospital Office Centre, Memorial Hospital West Office Building and other medical facilities in buildings throughout South Broward County. Cost: Various (\$50,000 - \$28,000,000). Role: Principal-In-Charge.		
Palm Beach County Four Points Office Building Renovation West Palm Beach, Florida	2011	2011
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Extensive renovation of a two-story, 57,000 SF building containing County offices and functioning as an EOC support facility. The building envelope was hardened to withstand 180 MPH windloads and functions as a 24-hour facility, including sleeping quarters. Interior space was demolished and exterior walls reinforced, new windows and doors were added, and the complete roof structure was removed and replaced. It also has an emergency generator system. Cost: \$11,000,000. Role: Principal-In-Charge.		



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

12. NAME  Sheff L. Devier, AIA	13. ROLE IN THIS CONTRACT  Senior Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 50	b. WITH CURRENT FIRM 24
15. FIRM NAME AND LOCATION (City and State) <b>Saltz Michelson Architects, Inc.</b> Fort Lauderdale, Florida			
16. EDUCATION (Degree and Specialization)  Virginia Polytechnic Institute & State University, Bachelor of Architecture, 1975		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)  Registered Architect Florida, #007699	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  Sheff Devier is a registered architect with over 48 years of experience with Institutional, Governmental, Medical, Educational and Recreational facilities. Sheff holds an important role in the firm's management and reviews staffing schedules on a weekly basis. He is responsible for mentoring aspiring architects and for managing the firm's large projects. Professional Affiliations: American Institute of Architects (AIA).			

**10. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Polk Building Renovations, Pembroke Pines, Florida	2024	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Renovation of an existing one-story, 26,000 SF building including interior completion of the entire building with offices, a public space for paying bills, and a satellite EOC facility as a backup to the existing EOC center located at City Hall. The building was built in 1957 and originally was a residential building on the South Florida Mental Hospital campus. Cost: \$5,300,000 (Estimated). Role: Project Manager.		
b.	West Pines Soccer Park & Community Building Pembroke Pines, Florida	2013	2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Design, permitting and construction of a freestanding 1,700 square foot meeting room/restroom building and two additional lighted practice soccer fields at the existing West Pines Soccer Park and Nature Preserve. The project includes Bermuda sod and 80/20 soil mix, lighting, electrical, drainage, de-muck & fill, laser grading, irrigation retrofit, bleachers, benches, shade structures, and sidewalks. Cost: \$6,900,000. Role: Project Manager.		
c.	Memorial Healthcare System IT/Data Center, Pembroke Pines, Florida	2009	2009
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE A 17,400 SF, one-story, initial first phase, of the planned 52,800 SF, five-story main hub for the South Broward Hospital District's IT computer network. This facility serves five hospitals, District offices, and remote facilities. Due to the critical nature of the data stored here, the building has emergency generators to provide 100% capacity back-up in case of power failure and its structure is designed to withstand a 200 MPH. Cost: \$12,000,000. Role: Project Manager.		
d.	Broward County Nancy J. Cotterman Center (NJCC) Oakland Park, Florida	2023	2023
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Planning, design, site development, and construction administration for a new 28,000 SF sexual assault treatment center providing assistance to victims of sexual assault crimes. This project is currently pursuing LEED Gold Certification. Cost: \$14,735,000. Role: Project Manager.		
e.	Broward County Lauderhill Transit Center (LEED Gold/Transit) Lauderhill, Florida	2021	2021
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Seated on a 1.5 acre parcel, a new transit center comprised of three buildings - Transit services, a security office, and a public restroom building. The complex will serve over 8,000 transit passengers daily, and provides ten bus bays to accommodate 40-foot and 42-foot fixed buses and 60-foot articulated buses. This bus transit hub is the first net positive structure in the County. Cost: \$11,595,607. Role: Project Manager.		

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

12. NAME  Maday Gutierrez, RA	13. ROLE IN THIS CONTRACT  Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 25	b. WITH CURRENT FIRM 10
15. FIRM NAME AND LOCATION (City and State) <b>Saltz Michelson Architects, Inc.</b> Fort Lauderdale, Florida			
16. EDUCATION (Degree and Specialization)  Bachelor of Architecture, 1999 University of Miami		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)  Registered Architect Florida, #AR95167	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

**10. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	City of Sunrise City Park (Continuing Contract) Sunrise, Florida	2021	2021
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Renovation of an approximately 50,000 SF of City Park's playing fields, walking paths, restrooms, playground equipment, renovate and expand the existing parking area. Addition of two new basketball courts and new covered theatrical stage shelter. Cost: \$6,500,000. Role: Project Manager.		
b.	City of Sunrise Athletic Complex (Continuing Contract) Sunrise, Florida	2023	2023
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Addition and renovation of a 1,156,848 square foot park. The complex will have a new athletic building, new playground, and new plaza for food vendors or food markets. In addition, three new multi-sport fields will be added along with a concession stand and sports commentator tower. Cost: \$11,750,000. Role: Project Architect.		
c.	Broward County Transit Electric Bus Charging Infrastructure (Continuing Contract), Dania Beach, Florida	2022	2022
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Under the firm's continuing contract with Broward County (29 years), a new electric bus charging infrastructure within the existing Transit Ravenswood Road and Copans Road Maintenance Facilities. The infrastructure will include, new parking spaces to accommodate 40' and 45' electric buses, a new canopy system and the charging and associated electrical equipment. Cost: \$2,751,153. Role: Project Manager.		
d.	Broward County Addiction Recovery Center (BARC) Fort Lauderdale, Florida	2018	2018
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Site Entitlements, program verifications, full architectural design, CA, warranty and LEED AP (Gold Certified) services for a new 51,419 SF, two-story recovery center with 50-bed detoxification unit, outpatient counseling services, medical exam spaces, and other spaces for related functions. BARC is publicly managed essential services facility operating 24 hours a day, 7 days a week. This project received the USGBC GalaVerde Award. Cost: \$18,900,000. Role: Interiors Project Architect.		
e.	Miami-Dade County Public Schools (Continuing Contract) Miami-Dade County, Florida	2019	2019
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Renovation projects for three schools (Avocado Elementary School, Winston Park K-8 Center, and Village Green Elementary School), including field verification, scope validation, design development, and construction administration. The work included new mechanical, plumbing, and electrical infrastructure and architectural renovations to entry canopies, playgrounds, and window/storefront replacements. Cost: Various. Role: Project Architect.		



**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 NO.

1

21. TITLE AND LOCATION (City and State)

**Broadview Park Drainage Infrastructure Improvement Study & Master Plan**

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
 9 Months

CONSTRUCTION (if appl.)

23. PROJECT OWNER'S INFORMATION

a. Project Owner Broward County Highway & Bridge Maintenance	b. Point of Contact Name Diana Rodriguez	c. Point of Contact Telephone No. (954) 257-6024
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

This Scope of Services defines the assigned consultant services necessary to analyze the conditions associated with flooding of the road network in the Broadview Park, a Broward Municipal Services District, develop alternatives for stormwater management systems prioritizing green infrastructure to maximize on-site infiltration, storage, groundwater recharge and treatment of runoff that will reduce the discharge of pollutants into receiving waterways, reduce flooding and reduce downstream erosion and sedimentation within the drainage system (Project). Other considerations included future conditions due to sea level rise and rising water table projections. The neighborhood includes residential dwellings, commercial uses, two parks, a school, and a major water management canal. The scope of work included survey, geotechnical testing, project management, stakeholder coordination, drainage analysis, cost estimating, public outreach, grant support, and technical reporting. Geotechnical data was used to develop a drainage model of the existing conditions. A field survey was conducted when as-built information of the drainage system was not available. A model of the existing drainage conditions was created using the resulting drainage system information and a digital surface model, then calibrated using historic rainfall data. Feasible drainage infrastructure alternatives were evaluated with input from key stakeholders, including Broward County (Highway & Bridge Maintenance Division, Parks and Recreation, and the Resilient Environment Group) and City of Fort Lauderdale. Public outreach included a project-specific website, door-to-door canvassing, and a presentation at an initial public meeting to notify the community about the study and future projects.

**SCOPE RELEVANCE**

Hydro-Geological Services  
 Water Systems & Drainage Survey  
 Geotechnical Testing

The project deliverables include survey data, geotechnical report, recommended alternatives, cost estimates, drainage models (existing and proposed conditions), interim/final drainage report, and public comments. The project will deliver a final report which documents the existing drainage analysis of the for the study, based on preferred alternatives and make recommendations for implementation through design and construction.

**Total Dollar Value of the Contract: \$465,067**



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a	(1) Name CTS Engineering, Inc.	(2) Firm Location (City, State) Ft. Lauderdale, Florida	(3) Role Prime Consultant
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<b>F. Example Projects Which Best Illustrate Proposed Team's Qualifications for this Contract</b> (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 NO.  <div style="text-align: center; font-size: 1.2em;">2</div>
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<b>21. TITLE AND LOCATION (City and State)</b> <b>Miami-Dade County Department of Transportation and Public Works General Engineering Contract</b>	<b>22. YEAR COMPLETED</b> PROFESSIONAL SERVICES <div style="text-align: center; font-size: 1.1em;">2021-2026</div>	CONSTRUCTION (if appl.)
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23. PROJECT OWNER'S INFORMATION		
d. Project Owner Miami-Dade County	e. Point of Contact Name William Salazar, P.E.	f. Point of Contact Telephone No. 305-375-1913

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

The contract is utilized to perform a variety of traffic engineering services. The services include work orders for traffic engineering design, traffic engineering data collection, traffic engineering studies, traffic engineering reviews, and in-house support. Design projects include upgrades and new signalized intersections, pedestrian enhancements, roadway design, traffic control design, drainage design, roundabout design, signing and pavement markings, and lighting. Design work orders are throughout Miami-Dade County.

**Total Dollar Value of the Contract:** Up to \$5 Million

**SCOPE RELEVANCE**

- Minor/Major Roadway Design
- Traffic Engineering
- Traffic Operations Studies
- Traffic Signal Design
- Drainage
- Intersection Improvements
- Pedestrian Enhancements
- In House Support

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a	(1) Name CTS Engineering, Inc.	(2) Firm Location (City, State) Doral, Florida	(3) Role Prime Consultant

<b>F. Example Projects Which Best Illustrate Proposed Team's Qualifications for this Contract</b> (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 NO.  3
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<b>21. TITLE AND LOCATION (City and State)</b>  <b>SR-5 SE 2nd Street/Ave RRR and Safety</b>	<b>22. YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES 2014-2018	CONSTRUCTION (if appl.) 2018-2019

<b>23. PROJECT OWNER'S INFORMATION</b>		
g. Project Owner FDOT District 6	h. Point of Contact Name Fabiana Gonzalez, P.E.	i. Point of Contact Telephone No. (305) 470-5183

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

The Project scope included RRR and safety upgrades along SR-5 SE 2nd Street/Ave in Downtown Miami.

Project included milling & resurfacing, minor widening, traffic separator replacement, I-95 on-ramp widening, ADA upgrades (including sidewalk, curb ramps with detectable warnings), enhanced signing & pavement markings (including overhead guide signs for access to I-95), signalization (pedestrian countdown signals, new mast arms, additional signal heads), replacement of impacted lighting, drainage inlet replacements due to widening, maintenance of traffic, public outreach to the adjacent business owners, coordination with BCT for work within their right-of-way, and utility coordination.

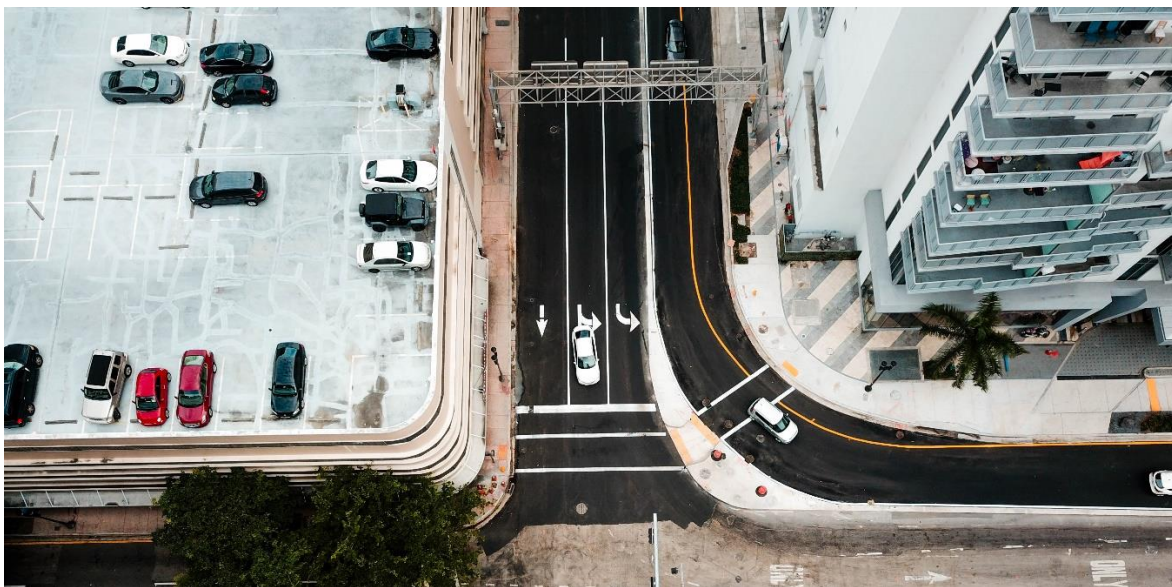
Due to the highly urbanized location of the project, extensive special details were required for the ramp widening, traffic separators, mainline widening, and pedestrian ramps. Weekly emails and newsletters were sent to the local community and business owners for traffic pattern awareness. Due to the high volume of traffic onto the I-95 entrance ramp, the project included widening for a second lane with a median island for pedestrian refuge. One unique aspect of the project was that the MET III was undergoing construction while the design project was ongoing, thus requiring extensive field reviews to update the existing field conditions.

**SCOPE RELEVANCE**

- Major/Minor Roadway Design
- Roadway Resurfacing Design
- Traffic Engineering
- Traffic Signal Design
- Drainage
- Pedestrian Enhancements
- FDOT Prequal. 3.1, 7.1, 7.2, 7.3, 8.1, 8.2, 8.3

**Total Dollar Value of the Project:** \$1,400,000

**Work for which firm was/is responsible:** \$300,000



<b>25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT</b>			
a	(1) Name CTS Engineering, Inc.	(2) Firm Location (City, State) Doral, Florida	(3) Role Prime Consultant

<b>F. Example Projects Which Best Illustrate Proposed Team's Qualifications for this Contract</b> (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 NO.  4
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21. TITLE AND LOCATION (City and State)  <b>FDOT DW Traffic Engineering Studies and Reviews Contract</b>	22. YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (if appl.)	
	10 years (2 contracts)	

23. PROJECT OWNER'S INFORMATION		
j. Project Owner  FDOT District 6	k. Point of Contact Name  Jinyan Lu, PhD, P.E., PTOE	l. Point of Contact Telephone No.  (305) 470-5335

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

The primary scope of this contract is to provide professional and technical services in review of engineering documents, such as plans, reports, technical memos, permits, traffic impact studies, lane closures analyses, construction plans for signalization, signing and pavement marking plans, MOT plans; to prepare traffic studies, traffic operations reports; and perform traffic data collection and in-house support.

CTS Engineering, Inc. is currently on its second consecutive contract and has completed over 3,000 review tasks that included access permits, general use permits, utility permits, landscape permits, traffic impact studies, traffic/safety studies, design plans, Strategic Miami Area Rapid Transit (SMART) studies, signal retiming studies, lane closures analyses, and bottleneck mitigation analysis studies.

In addition to the reviews, traffic studies and traffic data collections tasks that included signal warrant analyses (for removal of mid-block pedestrian signal along SR 924), speed studies (along Biscayne Boulevard and Overseas Highway), and pedestrian/traffic data collection (several intersections along SW 8 Street) were also completed under these contracts.

CTS has intimate knowledge of FDOT/national publications (e.g., MUTCD, MUTS, TEM, FDM, FDOT Standard Plans, and AASHTO Green Book, etc.), which are essential in the review and conducting of various traffic engineering studies and reviews. The reviews also involved various FDOT web-based portals, such as One Stop Permitting (OSP) and Electronic Review Comments (ERC).

**Entire Project Cost:** \$3, 000,000 (10 years)

**SCOPE RELEVANCE**

- 6.1 Traffic Engineering Studies
- 6.2 Traffic Signal Timing
- 7.1 Signal, Pavement Marking and Channelization

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a	(1) Name CTS Engineering, Inc.	(2) Firm Location (City, State) Doral, Florida	(3) Role Prime Consultant



**F. Example Projects Which Best Illustrate Proposed Team's Qualifications for this Contract**  
 (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NO.

5

21. TITLE AND LOCATION (City and State)

**Glades Road PD&E Study**

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
Ongoing

CONSTRUCTION (if appl.)

23. PROJECT OWNER'S INFORMATION

m. Project Owner

FDOT District 4

n. Point of Contact Name

Gregor Senger

o. Point of Contact Telephone No.

954-777-4141

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

CTS assisted the Florida Department of Transportation with tasks related to transit data collection for the Glades Road PD&E Study by performing transit boarding alighting data collection for Palm Tran route 91 and 94, collect OD survey data for Palm Tran route 91 and transfer and platform surveys at 3 distinct areas - Town Center Mall, Mizner Park, FAU.

**SCOPE RELEVANCE**

2.0 PD&E Studies

**Entire Project Cost:** \$1,500,000 (3 years)

**Work for which firm was/is responsible:** \$1,500,000 (3 years)



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a	(1) Name	(2) Firm Location (City, State)	(3) Role
	CTS Engineering, Inc.	Ft. Lauderdale, FL	Prime Consultant

F. Example Projects Which Best Illustrate Proposed Team's Qualifications for this Contract (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)	20. EXAMPLE PROJECT KEY NO.  6
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21. TITLE AND LOCATION (City and State) <b>Design Survey SR-814 (Atlantic Blvd) at Lyons Rd (2000 feet in all 4 directions on intersection) Coconut Creek, FL</b>	22. YEAR COMPLETED
	PROFESSIONAL SERVICES Ongoing
	CONSTRUCTION (if appl.)

23. PROJECT OWNER'S INFORMATION		
p. Project Owner FDOT District 4	q. Point of Contact Name Jeff Smith, PSM	r. Point of Contact Telephone No. (954) 777-4560

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

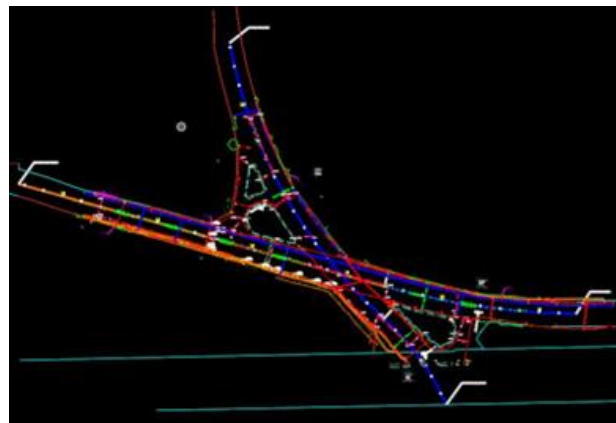
CTS provided Surveying, Mapping and SUE services to support the roadway, signing and pavement markings, signalization, and lighting design on SR-814/Atlantic Blvd at Lyons Road, within the City of Coconut Creek, in Broward County. The geospatial group provided horizontal and vertical primary control for this project. We also set and surveyed the aerial target control for the aerial imagery acquisition (provided by others). CTS re-established the historical baseline and determined the existing right-of-way lines through the project limits. A topographic survey was conducted in the areas not covered by the aerial imagery, including pond surveys, tree locations, and cross sections to verify the DTM elevations. CTS also provided the location of 45 catch basins and manholes, including the rim elevation, pipe directions, and invert elevations.

**SCOPE RELEVANCE**

- 8.1 Control Surveying
- 8.2 Design, Right-of-Way and Construction Survey
- 8.4 Right of Way Mapping

SUE (Subsurface Utility Engineering) was also performed to locate the existing buried utilities. The SUE team provided all the tools and equipment to perform designating (Quality Level B) and surveyed the marked lines along the entire project. This project includes test holes to verify the depth of the existing in conflict utilities. 3D digital files were submitted to the client including the surveyor's report detailing the survey activities performed for this project. Including signed and sealed Project Control sheets.

**Total Project Cost:** \$106,309.60



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a	(1) Name CTS Engineering, Inc.	(2) Firm Location (City, State) Ft. Lauderdale, FL	(3) Role Prime Consultant

**F. Example Projects Which Best Illustrate Proposed Team's Qualifications for this Contract**  
 (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NO.

7

21. TITLE AND LOCATION (City and State)

**Design survey and SUE SR-794/Yamato Rd from E of SR-9/1-95 to SR-5/US-1**

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
2022

CONSTRUCTION (if appl.)

23. PROJECT OWNER'S INFORMATION

s. Project Owner

FDOT District 4

t. Point of Contact Name

Jeff Smith, PSM

u. Point of Contact Telephone No.

(954) 777-4560

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

The geospatial group provided horizontal and vertical primary control for this project. We also set and surveyed the Mobile Lidar target control for the LiDAR acquisition (provided by others). CTS re-established the historical baseline and determined the existing right-of-way lines through the project limits. A topographic survey was conducted in the areas not covered by the LiDAR imagery, including tree locations, and cross sections to verify the DTM elevations. CTS also provided the location of 55 catch basins and manholes, including the rim elevation, pipe directions, and invert elevations.

**SCOPE RELEVANCE**

- 8.1 Control Surveying
- 8.2 Design, Right-of-Way and Construction Survey
- 8.4 Right of Way Mapping

SUE (Subsurface Utility Engineering) was also performed to locate the existing buried utilities. The SUE team provided all the tools and equipment to perform designating (Quality Level B) and surveyed the marked lines along the entire project. This project includes 104 Test holes to verify the depth of the existing utilities in conflict with design. CTS utilized our Master 4000 VacTruck and GIS data collection system to provide the test holes reports for each site. CTS also provided vertical clearance of 24 Signal heads and 2 R/R crossing equipment, said data being extracted from the LiDAR Point Cloud.

**Total Project Cost:** \$70,766.53



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a	(1) Name	(2) Firm Location (City, State)	(3) Role
	CTS Engineering, Inc.	Ft. Lauderdale, FL	Subconsultant



<b>F. Example Projects Which Best Illustrate Proposed Team's Qualifications for this Contract</b> (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 NO.  8
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21. TITLE AND LOCATION (City and State)  <b>DW Safety Pushbutton Design - Miami-Dade &amp; Monroe Counties</b>	22. YEAR COMPLETED PROFESSIONAL SERVICES 2014-2020 CONSTRUCTION (if appl.) 2015-2020
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23. PROJECT OWNER'S INFORMATION		
v. Project Owner FDOT District 6	w. Point of Contact Name Ramon Sierra, P.E.	x. Point of Contact Telephone No. (305) 470-5335

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

The Safety Push Button Design effort included over 50 Task Work Orders for various improvements throughout the County at over 150 locations. Improvements included intersection operational improvements, signalized pedestrian upgrades, enhanced signing, pavement markings, new mid-block signalized crossings, wrong way signage and markings for interstate exit ramps, speed feedback signs, new sidewalk, new mast arms, and other various safety improvements. The unique project required quick design turnarounds (typically six months or less) for immediate construction by push button contractors. Many of the Task Work Orders were the results of safety studies and fatal crash analysis and required concept evaluation and feasibility analysis, including right-of-way requirements, utility avoidance, and adherence to standards.

**SCOPE RELEVANCE**

- Intersection Improvements
- Roadway Resurfacing Design
- Pedestrian Sidewalk/Multi-Use Trail Design
- Traffic Signal Design
- FDOT Prequal. 6.1, 7.1, 7.2, 7.3

Additionally, many tasks required the use of existing aerials and available data as the schedule did not allow time for a new survey. CTS was the lead for all design, interoffice and department coordination, municipality coordination, County reviews and approvals, high priority scheduling, and push button construction support. The TWO's on the contract were as follows:

- Four (4) Task Work Orders for Wrong Way Driving Prevention at over 100 exit ramp/interchange locations.
- Six (6) Task Work Orders for crosswalks (including 4 new mid-block crossings).
- Four (4) Task Work Orders for enhanced signing & pavement markings (including speed feedback signs).
- Three (3) Task Work Orders for mast arm or signal head replacements.
- Five (5) Task Work Orders for roadside safety (guardrail, swale re-grading).
- Sixteen (16) Task Work Orders for pedestrian countdown signals, pedestrian push buttons, and ADA compliant curb ramps.
- Four (4) Task Work Orders for milling & resurfacing and turn lane extensions.
- Four (4) Task Work Orders for blank out signs and pedestrian signage.
- Two (2) Task Work Orders for sidewalk gaps, two (2) for school zones, one (1) for railroad crossing, and three (3) for post design & reviews.

**Total Project Cost:**  
\$5,000,000

**Work for which firm was/is responsible:**  
\$1,500,000



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a	(1) Name CTS Engineering, Inc.	(2) Firm Location (City, State) Doral, FL	(3) Role Subconsultant

**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)*

**Continuing Professional Services for Construction Engineering and Inspection (CEI) and Design Services for Roadway and Traffic Projects**

Broward County, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
**2021 - Ongoing**

CONSTRUCTION  
(If applicable)

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

**Broward County Highway Construction and Engineering Division**

Client: KCI Technologies, Inc.

b. POINT OF CONTACT NAME

Mr. Bryan Wilson, PE

c. POINT OF CONTACT TELEPHONE NUMBER

954-839-6702

Bryan.Wilson@kci.com

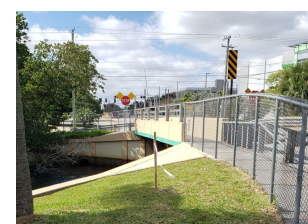
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

AREHNA has performed geotechnical explorations for a series of roadway improvements and pavement projects under this task order contract. Projects consist of corridor improvements such as bridge replacements, improved safety, mobility, lane widening, intersection improvements, mast arm traffic signals, drainage improvements, and milling and resurfacing throughout the County. Geotechnical engineering services include drilling, laboratory testing, engineering analysis and reporting, utility coordination, permitting and (MOT) maintenance of traffic.



**Projects in Broward County under this contract include:**

- Johnson St. at US-1: Widening for new westbound right turn lane onto US-1 northbound, drainage improvements and new mast arms.
- Rock Island at Kimberly Blvd: Replacing existing strain poles with new mast arms.
- N Palm Ave and Johnson St.: Replacing existing strain poles with new mast arms.
- NE 56 St.: Bridge Replacement
- N Andrews Ave: Bridge Replacement



Project Cost \$ 24,718 (ytd)

Turnaround times and/or quantities: Task Order Contract | All tasks have been completed on-time and within budget.

Challenges encountered, resolutions, aggressive time schedules and challenging work within tight ROW. We completed all work on time and utilize smaller equipment to minimize impact to the travelling public.

**Key Personnel**

Angela Alba, PE

Andy Tao, PE

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

a.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	AREHNA Engineering, Inc.	Sunrise, Florida	Subconsultant

**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)*

**Consultant Services for Transit Surveys, Infrastructure, and Shelter Designs**

Broward County, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
**2020 - Ongoing**

CONSTRUCTION  
(If applicable)

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

**Broward County Highway Construction and Engineering Division**

Client: CTS Engineering, Inc.

b. POINT OF CONTACT NAME

Mr. Michael Melendez, PE

c. POINT OF CONTACT TELEPHONE NUMBER

954-777-8480  
mmelendez@ctseinc.com

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

AREHNA has performed geotechnical explorations for a series of roadway improvements and pavement projects under this task order contract. Projects have included drainage improvements throughout the County. Geotechnical engineering services include drilling, exfiltration/ percolation testing, double ring infiltrometer testing, laboratory testing, engineering analysis and reporting, utility coordination, permitting and (MOT) maintenance of traffic.



**Projects in Broward County under this contract include:**

- Broadview Park Green Infrastructure Improvements: Drainage improvements.
- Boulevard Gardens Infrastructure Improvements: Drainage improvements.

Project Cost \$ 56,309 (ytd)

Turnaround times and/or quantities: Task Order Contract | All tasks have been completed on-time and within budget.

Challenges encountered, resolutions, aggressive time schedules and challenging work within tight ROW. We completed all work on time and utilize smaller equipment to minimize impact to the travelling public.



**Key Personnel**

Jessica McRory, PE  
Angela Alba, PE  
Andy Tao, PE



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

a.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	AREHNA Engineering, Inc.	Sunrise, Florida	Subconsultant



**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  
11

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

**Port Everglades Bulkhead Replacement Project, Group 1**  
Fort Lauderdale, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
**2020 - Ongoing**

CONSTRUCTION  
(If applicable)

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

**Broward County Port Everglades Department**

Client: TY Lin International

b. POINT OF CONTACT NAME

Mr. James Kanter, PE

c. POINT OF CONTACT TELEPHONE NUMBER

954-308-3374

James.Kanter@tylin.com

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

AREHNA provides geotechnical engineering and materials testing services for the proposed improvements for Phase 1 of Port Everglades bulkhead wall replacement plan, which includes bulkhead walls to be constructed in front of the existing bulkhead walls, drainage upgrades, and new passenger bridge foundations for the mobile passenger bridges. Phase 1 includes replacements at Berths 1 through 3 and North Entrance Channel. Geotechnical engineering services include land and water drilling, laboratory testing, engineering analysis and reporting, utility coordination, and permitting.

Project Cost \$ 220,713 (ytd)

Turnaround times and/or quantities: Very aggressive project schedule. All work for this first phase have been completed on-time and within budget.

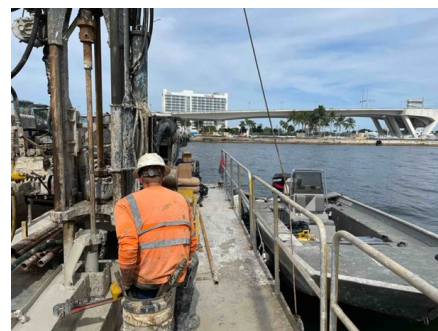
Challenges encountered included conflict during field work with Port's numerous activities and cruise ships. Extensive coordination was conducted in order to avoid delays and impacting the Port's activities. Field work was completed successfully and on time for report delivery.

**Key Personnel**

Jessica McRory, PE

Angela Alba, PE

Andy Tao, PE



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

a.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	AREHNA Engineering, Inc.	Sunrise, Florida	Subconsultant

**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  
12

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

**Geotechnical and Engineering Testing Services Continuing Services Agreement**

Sunrise, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
**2021 - Ongoing**

CONSTRUCTION  
(If applicable)

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

**City of Sunrise Utilities Department**  
777 Sawgrass Corporate Parkway  
Sunrise, Florida 3332

b. POINT OF CONTACT NAME

Mr. Fernando Pleitez, PE

c. POINT OF CONTACT TELEPHONE NUMBER

954-888-6017  
Fpleitez@sunrisefl.gov

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

Description of the contract: AREHNA serves as the prime consultant for this continuing services contract providing geotechnical engineering and materials testing and inspections services. Projects under this contract include city facilities, roadway and intersection improvements, bike lanes, sidewalks and pedestrian safety improvements, traffic signal, ITS, multimodal, stormwater and drainage improvements, potable water, reclaimed water, and wastewater treatment plants design and construction.

Provide a sample list of types of materials or services provided: Scope includes geotechnical services that support design and construction activities, field investigations and laboratory testing, studies, geotechnical analysis, recommendations and reports. Testing includes pavement and asphalt, concrete and field soil densities, percolation testing, foundations materials testing.

Turnaround times and/or quantities: Task Order Contract | All tasks have been completed on-time and within budget.

Challenges encountered, resolutions: part of the scope was identifying buried, unknown utilities for the exploration and construction could be performed safely.

**Relevant Tasks:**

- Sunrise Department of Utilities Wastewater Treatment Plant/MW1A Replacement  
Project Costs: \$6,155
- Sawgrass WWTP Asbestos Survey & Lead-Based Sampling  
Project Costs: \$4,290

**Key Personnel**

Jessica McRory, PE  
Angela Alba, PE  
Andy Tao, PE



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

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	AREHNA Engineering, Inc.	Sunrise, Florida	Prime consultant

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>2</b>
21. TITLE AND LOCATION <i>(City and State)</i>  I-595 PPP Reversible Lane Project, Broward County, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009	CONSTRUCTION <i>(If applicable)</i> 2014

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER FDOT District 4	b. POINT OF CONTACT NAME Saul Perez, PE	c. POINT OF CONTACT TELEPHONE NUMBER 786-556-3320
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

As part of this \$1.3 billion project, ASA Staff designed segments of the project. Their effort led to the successful conclusion of the highway design and plans production for Section 1 and Section 2 of the I-595 reversible lanes project. In his role as highway project manager Mr. Rojas oversaw and actively participated in the roadway design; he maintained close coordination with the prime design consultant AECOM and with the design teams on the adjacent sections along I-595. Structural design effort consisted of final design and development of complete structural plans for Section 1, 2 (3 miles) and 4 of this project corridor including widening of 3 bridges over the Canal. Structural Project Manager: Soheila Sadough, PE was in charge of the structural design team. Mr, Cebrecos & Mr. Amaya were both involved in the final design.

- Section 1 - From MP 12.564 (I-75) To MP 0.530 (I-595)
- Section 2 - From MP 0.530 (I-595 To MP 1.704 (I-595)
- Section 4 - From MP 2.690 (I-595) To MP 3.732 (I-595)



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

a.	(1) FIRM NAME ASA Consultants	(2) FIRM LOCATION <i>(City and State)</i> Sunrise, Florida	(3) ROLE Prime Consultant providing Structural and Highway design services
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>1</b>
21. TITLE AND LOCATION <i>(City and State)</i>  SR9/I-95 Spanish River Interchange, Palm Beach, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i> 2017

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER FDOT District 4	b. POINT OF CONTACT NAME Juan Quiroga	c. POINT OF CONTACT TELEPHONE NUMBER 561-241-8256
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The new interchange will provide access from northbound and southbound I-95 to FAU Boulevard. The project includes enhancements to Yamato Road to include milling and resurfacing per the limits identified in the concept plans, signalized intersection improvements at the entrance/exit ramps to I-95, and the addition of auxiliary lanes east bound and westbound through the interchange, 10 new bridges & 3 bridge widening. ASA Staff were involved from the start of the project and took over the design & post design services starting January 2015. Ms. Sadough is the project manager & engineer of Record of 8 bridges (3 bridges over Lake worth Drainage canal) including all Miscellaneous structures. Mr. Rodriguez served as a project engineer and worked in almost every aspect of the design. He assisted in the development of the roadway plans, signing and marking plans and day to day coordination. Mr. Cebrecos served also as project engineer and assisted in the roadway & signing and pavement marking design & plans production.



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

a.	(1) FIRM NAME ASA Consultants	(2) FIRM LOCATION <i>(City and State)</i> Sunrise, Florida	(3) ROLE Prime Consultant providing Structural and Highway design services
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE



<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>3</b>
21. TITLE AND LOCATION <i>(City and State)</i>  Sunny Isles NB Emergency Bridge, Sunny Isles, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i> 2017

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER City of Sunny Isles	b. POINT OF CONTACT NAME Bob McSweeney, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER 954-921-7781
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Design and construction plans for emergency pedestrian bridge over inter coastal waterway, locally known as Town Center Park Canal between NE 174th St and NE 172nd St, along North Bay Road, City of Sunny Isles Beach, within a very tight right of a way including replacement of existing sea walls on the north side of the canal. Ms. Sadough as Chief Bridge Engineer led all structural design effort and is the structural engineer of record for the project. She also helped with coordination and permitting efforts with Miami Dade County, Coast Guard & army Corps Of Engineers. She is currently helping city with the post-design services reviewing shop drawing, RFI and preparation of As-built plans. Mr. Rodriguez & Raul Amaya helped with the design and bridge plans preparation.



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

a.	(1) FIRM NAME ASA Consultants	(2) FIRM LOCATION <i>(City and State)</i> Sunrise, Florida	(3) ROLE Prime Consultant providing Structural and Highway design services
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

**F. Example Projects Which Best Illustrate Proposed Team's Qualifications for this Contract**  
 (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 NO.

13

21. TITLE AND LOCATION (City and State)

**Downtown Coral Springs Streetscaping - Coral Springs, FL**

22. YEAR COMPLETED

PROFESSIONAL SERVICES

2015

CONSTRUCTION (if appl.)

2015

23. PROJECT OWNER'S INFORMATION

a. Project Owner

City of Coral Springs

b. Point of Contact Name

Elizabeth Taschereau

c. Point of Contact Telephone No.

954-592-5075

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

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

The project included implementing Complete Street concepts for NW 31st Court, NW 94th Avenue, and NW 32nd Street. Additionally, CMA implemented the culverting of the canal along NW 31st court to provide space for a linear park, called the "Art Walk", which is an important pedestrian connection between the downtown pathways project and The Walk development. Finally, the project included the implementation of turn lanes along Sample Road, median improvements in Sample Road, and minor improvements to adjacent alleyways and pedestrian pathways.

Overall, the project improved the walkable nature of Downtown Coral Springs, while tying together various aesthetic elements in advance of the City Hall project sited adjacent to the projects.

CMA was awarded a Florida Chapter of American Society of Landscape Architect's Merit Award for The Coral Springs Art Walk which is a flexible venue developed over an existing Sunshine Water Drainage Control District canal. It is reclaimed public space, which anchors the City's new Municipal Complex. The Art Walk hosts the City's Green Market, special events, and has rotating public art displays throughout the year.

**Fee:** \$235,739

**Construction Cost:** \$4,100,000, Design Bid Build

**Change Orders:** One, \$16,200 total; City requested additional surveying (\$7,700) and design and permitting (\$8,500) services

**SCOPE RELEVANCE**

Civil Engineering

Landscape Architecture

Environmental Permitting

Construction Engineering & Inspection Services



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) Name	(2) Firm Location (City, State)	(3) Role
a	Chen Moore & Associates	Ft. Lauderdale, FL	Prime

**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 NO.

14

21. TITLE AND LOCATION (City and State)

**Miami Dade County-Empowerment Center - Miami, FL**

22. YEAR COMPLETED

PROFESSIONAL SERVICES

2021

CONSTRUCTION (if appl.)

2021

23. PROJECT OWNER'S INFORMATION

d. Project Owner

Miami-Dade County

e. Point of Contact Name

Mark Saltz

f. Point of Contact Telephone No.

954-266-2700

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

As part of the Saltz Michelson team, CMA provided civil engineering and landscape architecture services on a multi-use facility in southern Miami-Dade County for the county's Internal Services Department. The program for the project scope includes a center that shall accommodate sixty (60) beds (with flexibility to expand in the future) in a multi-purpose facility of approximately 28,000 square feet. Approximately 4 acres of the site (+/- 9.2 acres site) will be developed with other portions of the site to be cleared, demolished, and sodded only. MDC desires to create a welcoming, safe, and accessible shelter environment that supports patrons and families. The project includes an off-site roadway and sanitary sewer expansion. On-site improvements include demolishing existing facilities and utilities, construction of a looped water main, and utilities for the program noted. CMA design efforts included submittals for schematic, design development, construction documents and permitting via the various agencies in Miami Dade County including the Water and Sewer Department and the Department of Environmental Resource Management (DERM). CMA services also included bidding services, preconstruction services and construction administration services.

**SCOPE RELEVANCE**

Civil Engineering

Landscape Architecture

Environmental Permitting

Construction Engineering & Inspection Services



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) Name	(2) Firm Location (City, State)	(3) Role
a	Chen Moore & Associates	Ft. Lauderdale, FL	Subcons



**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 NO.

15

21. TITLE AND LOCATION (City and State)

**Downtown Coral Springs Streetscaping - Coral Springs, FL**

22. YEAR COMPLETED

PROFESSIONAL SERVICES

2015

CONSTRUCTION (if appl.)

2015

23. PROJECT OWNER'S INFORMATION

g. Project Owner

City of Coral Springs

h. Point of Contact Name

Elizabeth Taschereau

i. Point of Contact Telephone No.

954-592-5075

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

CMA assisted the City of North Miami Beach with the design of a roundabout at the intersection of NE 137th Street and Highlands Drive to reduce vehicular speed along Highlands Drive. The CMA team provided survey and geotechnical exploration; survey/as-built drawing review from local utilities; civil engineering regarding the site and initial site plan; and design and plan preparation including the demolition, earthwork, paving, grading, drainage, water, signing and marking, details, specifications, and stormwater pollution prevention plans.

CMA coordinated permitting through Miami-Dade County - Department of Environmental Resource Management; Miami-Dade County Public Works; Miami-Dade County Fire Department; City of North Miami Beach Public Works; and Miami-Dade County RER Tree Section as required.

Construction administration support services included shop drawing reviews; responses to requests for information; weekly observation of the work and weekly field reports; and the coordination of certification/site close out packages.

**SCOPE RELEVANCE**

- Civil Engineering
- Minor/Major Roadway Design
- Traffic Engineering
- Drainage
- Geotechnical Testing
- Survey
- 7.1 Signal, Pavement Marking and Channelization



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) Name	(2) Firm Location (City, State)	(3) Role
a	Chen Moore & Associates	Miami, FL	Prime

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

20. EXAMPLE PROJECT KEY NUMBER

**16**

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

21. TITLE AND LOCATION <i>(City and State)</i> <b>BROWARD COUNTY COURTHOUSE</b> <i>Broward County, FL</i>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2016</b>	CONSTRUCTION <i>(IF APPLICABLE)</i> <b>2016</b>

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER <b>Cartaya Architects</b>	b. POINT OF CONTACT NAME <b>Doug McKenzie, AIA</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>305.444.4691</b>
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The project includes 714,000 square feet and 20-stories of new office Space featuring 77 courtrooms with additional space for expansion, an improved flow for visitors and courthouse agency employees, and Improved security screening areas. It accommodates the need for civil and family courts. The conceptual footprint consists of 45 full size courtrooms, 12 smaller courtrooms and 18 hearing rooms for a total of 75 litigation spaces. Below the building is secured parking for approximately 120 judges and department heads. Provided Plumbing, Fire Protection engineering design and Construction Services. This is a Silver LEED Certified Building.



**25. FIRMS FORM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME <b>Hammond &amp; Associates</b>	(2) FIRM LOCATION (CITY AND STATE) <b>Plantation, FL</b>	(3) ROLE <b>Mechanical &amp; Electrical Engineering</b>
b.	(1) FIRM NAME	(2) FIRM LOCATION (CITY AND STATE)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (CITY AND STATE)	(3) ROLE



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

20. EXAMPLE PROJECT KEY NUMBER

**17**

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

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

**OPERATION CENTER, SOUTH FLORIDA REGIONAL TRANSIT AGENCY (SFRTA), Pompano Beach, FL**

22. YEAR COMPLETED

PROFESSIONAL SERVICES

**2016**

CONSTRUCTION *(IF APPLICABLE)*

**2016**

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

PGAL, Inc.

b. POINT OF CONTACT NAME

Kari Botek

c. POINT OF CONTACT TELEPHONE NUMBER

954.726.3951

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

The SFRTA Operations Center is a 75,000 sf facility that consists of a 3-story office building, including a 150 seat boardroom, a customer service, a dispatch operations center, loading and receiving areas. The new site includes a 4-level parking garage that houses approximately 400 parking spaces and supports both the Operations Center and parking for Tri-Rail passengers.



**25. FIRMS FORM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME <b>Hammond &amp; Associates</b>	(2) FIRM LOCATION (CITY AND STATE) <b>Plantation, FL</b>	(3) ROLE <b>Mechanical &amp; Electrical Engineering</b>
b.	(1) FIRM NAME	(2) FIRM LOCATION (CITY AND STATE)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (CITY AND STATE)	(3) ROLE



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

20. EXAMPLE PROJECT KEY NUMBER

**18**

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

21. TITLE AND LOCATION <i>(City and State)</i> <b>JOINT GOVERNMENT CENTER CAMPUS</b> Fort Lauderdale, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2021</b>	CONSTRUCTION <i>(IF APPLICABLE)</i> <b>Ongoing</b>

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER <b>Zyscovich Architects</b>	b. POINT OF CONTACT NAME <b>Grace Perdomo</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>305.372.522</b>
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The Broward County Board of County Commissioners and the City of Fort Lauderdale jointly requested an Architect-led team to provide consulting services for a new Government Center to facilitate interaction and collaboration between both agencies. The new facility is anticipated to be a multistory class "A" building or series of buildings approximately 700,000 square-foot inclusive of 150,000 square feet for City use in addition to the parking garage structures and bus terminals. Hammond Engineering was part of the winning Architect led Team.



**25. FIRMS FORM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME <b>Hammond &amp; Associates</b>	(2) FIRM LOCATION (CITY AND STATE) <b>Plantation, FL</b>	(3) ROLE <b>Mechanical &amp; Electrical Engineering</b>
b.	(1) FIRM NAME	(2) FIRM LOCATION (CITY AND STATE)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (CITY AND STATE)	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Complete one Section E for each key person.)</i>		20. EXAMPLE PROJECT KEY NUMBER	
		<b>19</b>	
21. TITLE AND LOCATION <i>(City and State)</i>		22. YEAR COMPLETED	
<b>FDOT District Four   Lyons Road from C-14 Canal to Sawgrass Expressway, Coconut Creek, FL</b>		PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>
		<b>N/A</b>	<b>2022</b>
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER	
FDOT District Four	Heidy Cuevas, PE	954.298.9468	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>			



The scope of work consisted of pavement rehabilitation and widening Lyons Road from the C-14 canal to Sawgrass Expressway to provide buffered bike lanes in both directions. In addition to widening, milling, and resurfacing, the scope included monitoring existing structures, selective clearing and grubbing, drainage improvements, pavement markings, signing, lighting, signalization, irrigation repairs, and more.

A major consideration included accommodating the many pedestrian generators along the corridor including residential communities (Cocopalms, Coco Parc Condominiums, Wynmoor, Cypress Shores, St. Andrews at Winston Park Apartments), community parks/facilities (Windmill Park, Coconut Creek Community Center, Golden Rain Tree Park, Veteran's Park), Coconut Creek High School, transit facilities (Broward County Transit Route 31, City of Coconut Creek Route South), as well as numerous businesses.

The original TTCP only allowed lane closures during non-peak hours and did not include the option of continuous permanent lane closures for any construction phase except during sidewalk reconstruction at the intersection of Atlantic Boulevard. Since the pandemic was causing less traffic, the option of having a permanent single-lane closure in each direction to expedite construction and reduce daily mobilization efforts was proposed. This allowed the contractor to work at multiple locations every day without the need to mobilize and demobilize at the end of each workday.

**This project was awarded FTBA's Partnering Award for 2022.**

Cost: \$ 11 million

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION (CITY AND STATE)	(3) ROLE
a.	Rummel, Klepper & Kahl, LLP	Miami, FL	CEI



<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Complete one Section E for each key person.)</i>		20. EXAMPLE PROJECT KEY NUMBER	
		<b>20</b>	
21. TITLE AND LOCATION <i>(City and State)</i>		22. YEAR COMPLETED	
<b>Seminole Tribe of Florida   Frank Shore and Billie Road CEI, Brighton Reservation, FL</b>		PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>
		<b>N/A</b>	<b>2022</b>
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER	
Seminole Tribe of Florida	Emran Rahaman	954.894.1060 ext. 10923	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>			



RK&K provided CEI services for the roadway and drainage improvements to Billie Road and the Billie Road Extension. The project is located on the Brighton Seminole Indian Reservation in Okeechobee County. The existing 1.29 miles of gravel surface roadway was upgraded to a rural paved road section and includes roadway and drainage improvements to Billie Road, the Billie Road Extension and approximately 3,000 linear feet of Frank Shore Road. The construction included a new road with an asphalt turnout, drainage, water main, forcemain, concrete endwalls, sidewalks, driveways, and signing and pavement markings.

RK&K's responsibilities included the administration, inspection, and oversight of contractor operations and verifying compliance with all contract documents and procedures. RK&K supported the Tribe's management team in the administration of the construction contract management of project activities, and was also responsible for all document control via Project Wise. There was also extensive coordination provided for the water main and forcemain installation with the Seminole Tribe Utilities Department.

Cost: \$1.5 million

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
(1) FIRM NAME	(2) FIRM LOCATION (CITY AND STATE)	(3) ROLE
a. Rummel, Klepper & Kahl, LLP	Miami, FL	CEI

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Complete one Section E for each key person.)</i>		20. EXAMPLE PROJECT KEY NUMBER	
		<b>21</b>	
21. TITLE AND LOCATION <i>(City and State)</i>		22. YEAR COMPLETED	
<b>Florida's Turnpike Enterprise   SR 91 (Florida's Turnpike Mainline) from MP 57.3 to MP 65.2 Resurfacing and Safety Improvements, Broward County, FL</b>		PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>
		<b>2023</b>	<b>N/A</b>
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER	
Florida's Turnpike Enterprise	Joseph Chinelly	407.466.8126	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>			

This project involves the design of the 7.9-mile resurfacing of Florida's Turnpike Mainline (SR 91) in Broward County from MP 57.3 to MP 65.2. The intent of this project is to mill and resurfacing the existing mainline travel lanes and shoulders, as well as implement recommended safety upgrades along SR 91. The existing ramps at Sunrise Boulevard and Commercial Boulevard will also be milled and resurfaced. SR 91 is an 8-lane divided limited access roadway with 12'-travel lanes, 12' inside & outside paved shoulders, and a concrete barrier separated median.

Fee: \$1.2 million

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION (CITY AND STATE)	(3) ROLE
a.	Rummel, Klepper & Kahl, LLP	Lakeland, FL	Roadway, Drainage, Traffic, and ITS Design

**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  
 22

21. TITLE AND LOCATION <i>(City and State)</i> Pembroke Shores YMCA Expansion & Renovation Pembroke Pines, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i> 2011

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER YMCA South Florida	b. POINT OF CONTACT NAME Cheryl Woods, President & CEO	c. POINT OF CONTACT TELEPHONE NUMBER (954) 334-9622 / swoods@ymcabroward.org
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

A 17,000 square foot addition and phased redevelopment of the existing Pembroke Shores gymnasium facility and construction of a 200 vehicle parking lot. The addition added a youth activity area, senior activity area, expanded child care, wellness center, group exercise areas as well as support areas and was engineered to withstand winds of up to 155 MPH with impact rated openings. Remodeling work was also completed in portions of the existing facility to provide fire sprinklers to the entire building and modernize the existing building. The existing facility was 100% operational during construction.

<b>SIZE:</b> 17,000 SF	
<b>CONSTRUCTION COST:</b> \$4,200,000	
<b>SCOPE:</b> Full A/E Services	
RELEVANCY	
<input checked="" type="checkbox"/>	City of Pembroke Pines
<input checked="" type="checkbox"/>	Space Programming
<input checked="" type="checkbox"/>	Building Renovations



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

a.	(1) FIRM NAME Saltz Michelson Architects	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, Florida	(3) ROLE Architectural Planning & Design
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE



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

20. EXAMPLE PROJECT KEY NUMBER  
**23**

21. TITLE AND LOCATION <i>(City and State)</i> West Pines Soccer Park & Community Building Pembroke Pines, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(If applicable)</i> 2013

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER The City of Pembroke Pines	b. POINT OF CONTACT NAME Paul Edelstein, Deputy Director	c. POINT OF CONTACT TELEPHONE NUMBER (954) 437-1111
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Design, permitting and construction of a freestanding 1,700 square foot meeting room/restroom building and two additional lighted practice soccer fields at the existing West Pines Soccer Park and Nature Preserve. The project includes Bermuda sod and 80/20 soil mix, lighting, electrical, drainage, de-muck & fill, laser grading, irrigation retrofit, bleachers, benches, shade structures, and sidewalks.

<b>SIZE:</b> 1,700 SF	
<b>CONSTRUCTION COST:</b> \$1,500,000	
<b>SCOPE:</b> Full A/E Services	
RELEVANCY	
<input checked="" type="checkbox"/>	City of Pembroke Pines
<input checked="" type="checkbox"/>	Continuing Contract
<input checked="" type="checkbox"/>	Building Renovations
<input checked="" type="checkbox"/>	Space Programming



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

a.	(1) FIRM NAME Saltz Michelson Architects	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, Florida	(3) ROLE Architectural Planning & Design
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE



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

20. EXAMPLE PROJECT KEY NUMBER  
**24**

21. TITLE AND LOCATION <i>(City and State)</i> Broward County Continuing Contract Broward County, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i> Ongoing

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER Broward County	b. POINT OF CONTACT NAME Jeffrey Thompson, Assistant Director	c. POINT OF CONTACT TELEPHONE NUMBER (954) 357-8460
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Under the firm's continuing contract with Broward County for OVER 29 YEARS (and recently renewed), SMA has been involved with multiple projects with varying scopes, sizes and costs.

Projects within the Past Five Years Include:

- Main Library Plaza Restoration
- Convention Center Design Criteria

- Electric Bus Charging Infrastructure
- Fourth Floor Renovation at Government Center West
- First Floor Renovation at Government Center East
- Main Library Exterior Refurbishment
- EOC Computer Room Relocation
- Judicial Complex
- Judges Bench

▼ Government Center West Offices

▲ Convention Center Design Criteria

<b>SIZE:</b> Various Sizes	
<b>CONSTRUCTION COST:</b> ≤ \$4,000,000	
<b>SCOPE:</b> Full A/E Services	
RELEVANCY	
<input checked="" type="checkbox"/>	Government Facilities
<input checked="" type="checkbox"/>	Continuing Contract (29 Years)
<input checked="" type="checkbox"/>	Building Renovations
<input checked="" type="checkbox"/>	Space Programming
<input checked="" type="checkbox"/>	Design Criteria
<input checked="" type="checkbox"/>	Government Offices
<input checked="" type="checkbox"/>	Same Team
<input checked="" type="checkbox"/>	Past Five Years

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

a.	(1) FIRM NAME Saltz Michelson Architects	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, Florida	(3) ROLE Architectural Planning & Design
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

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

20. EXAMPLE PROJECT KEY NUMBER  
**25**

21. TITLE AND LOCATION <i>(City and State)</i> Memorial Healthcare System, Continuing Contract Broward County, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 1995 - Present	CONSTRUCTION <i>(If applicable)</i> 1995 - Present

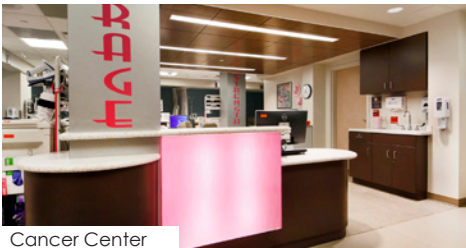
**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER Memorial Healthcare System	b. POINT OF CONTACT NAME Mark Greenspan, Director of Construction/Design	c. POINT OF CONTACT TELEPHONE NUMBER (954) 265-8674 / mgreenspan@mhs.net
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Under our open-ended contract (twenty-nine consecutive years) with the South Broward District/Memorial Healthcare System, we have been the architects for numerous AHCA approved projects within its six hospitals and other medical facility projects including cancer centers, urgent care centers, women's centers, rehabilitation facilities, parking garages, medical office buildings, surgery centers, facade renovations, a data center and many other large and small projects.

<b>SIZE:</b> Various	
<b>CONSTRUCTION COST:</b> \$50K - \$65M	
<b>SCOPE:</b> Full A/E Services, LEED AP	
RELEVANCY	
✓	Continuing Contract (29 Years)
✓	Renovations/New Construction
✓	Fully Operational
✓	Graduate Medical Education



Cancer Center



Urgent Care



Sports Medicine



Memorial Regional Hospital Hardening



Sports Medicine

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

a.	(1) FIRM NAME Saltz Michelson Architects	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, Florida	(3) ROLE Architectural Planning & Design
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

### G. Key Personnel Participation in Example Projects

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									
		1	2	3	4	5	6	7	8		
<b>CTS ENGINEERING, INC - Prime Consultant</b>											
Michael Melendez, P.E.	Project Manager	X	X	X							
Danny Iglesias, P.E.	QA/QC Officer		X	X							
Sheng Yang, P.E., PTOE	Principle-In-Charge		X	X	X	X					
Yongqiang Wu, P.E.	Senior Engineer I		X		X	X					
Phani Allu, P.E., PTOE, RSP2I	Senior Engineer I		X	X	X	X					
Hui Zhao, P.E.	Senior Engineer I		X		X	X					
Suresh Allu, P.E.	Engineer I		X	X	X	X					
Lissy La Paix Puello, P.E., PhD	Senior Engineer I		X		X	X					
Steve Hughes, P.E.	Senior Engineer I		X	X						X	
Brent Lee Shue Ling, P.E.	Senior Engineer I		X	X						X	
Eva Campello, P.E.	Engineer II		X	X						X	
MarQuellus Bennett, P.E.	Engineer II	X	X								
Christina Borello, P.E.	Engineer II	X	X								
Alejandro Gomez, P.E.	Engineer II		X								
Lis Tolstoy, PSM	SUR Senior Surveyor I	X	X	X				X	X	X	
Paul Doll, PSM	SUR Senior Surveyor I	X	X	X				X	X	X	
Pete Diaz, PSM	SUR Senior Surveyor I										
Dennis Stanton	SUE Manager	X	X	X				X	X	X	

### 29. Example Projects Key

No.	Title Of Example Project (From Section F)	No.	Title Of Example Project (From Section F)
1	Broadview Park Drainage Infrastructure Improvement Study & Master Plan	6	Design Survey SR-814 (Atlantic Blvd) at Lyons Rd
2	Miami-Dade County Department of Transportation and Public Works General Engineering Contract	7	Design survey and SUE SR-794/Yamato Rd from E of SR-9/1-95 to SR-5/US-1
3	SR-5 SE 2nd Street/Ave RRR and Safety	8	DW Safety Pushbutton Design - Miami-Dade & Monroe Counties
4	FDOT DW Traffic Engineering Studies and Reviews Contract		
5	Glades Road PD&E Study		

### H. 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									
		9	10	11	12	13	14	15	16	17	18

#### AREHNA Engineering, Inc.

Angela Alba, P.E.	Sr. Geotechnical Engineer	X	X	X	X										
Jessica A. McRory, P.E., LEED AP	Sr. Geotechnical Engineer	X	X	X	X										
Andy Tao, P.E.	Geotechnical Engineer	X	X	X	X										

#### ASA Consultants, Inc.

Soheila Sadough, P.E.	Lead Structures Engineer					X	X	X							
Carlos Rodriguez, P.E.	Structures & Roadway Engineer					X	X	X							
Gordon Houston, P.E.	QA/QC/Contractibility Review					X	X								
Raul Amaya, P.E.	Structures Engineer					X	X	X							

#### Chen Moore and Associates, Inc.

Patrick Kaimrajh, P.E.	Civil Site Plan and Design											X	X	X	
Gregory Mendez, P.E.	Civil Engineer												X	X	
Michael Buick, P.E.	Civil Engineer											X	X		
David Cowan, Jr., P.E., ENV SP, LEED AP	Civil Engineer														
Brian Voelker, M.S., SPWS, C.A., CLI	Sustainability & Environmental Engineering														
Yulet Miguel, P.E.	Roadway and Drainage														
Cole Benjamin, P.E.	Roadway and Drainage														
Michael Wilson, P.E.	Roadway and Drainage														
Sathvika Ramaji, P.E.	Civil Site Plan and Design												X	X	

### 30. Example Projects Key

No.	Title Of Example Project (From Section F)	No.	Title Of Example Project (From Section F)
9	Continuing Professional Services for Construction Engineering and Inspection (CEI) and Design Services for Roadway and Traffic Projects	14	I-595 PPP Reversible Lane Project
10	Consultant Services for Transit Surveys, Infrastructure, and Shelter Designs	15	Sunny Isles NB Emergency Bridge
11	Port Everglades Bulkhead Replacement Project, Group 1	16	Downtown Coral Springs Streetscaping Coral Springs, FL
12	Geotechnical and Engineering Testing Services Continuing Services Agreement	17	Miami Dade County-Empowerment Center
13	SR9/I-95 Spanish River Interchange	18	NMB-Highland Drive Roundabout N Miami Beach, FL

### I. 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									
		19	20	21	22	23	24	25			

#### Hammond & Associates, Inc.

Eric J. Hammond, P.E.	Mechanical Engineer	X	X	X								
Donald Dixon, P.E.	Electrical Engineer	X	X	X								
Stephen Farquharson, LEED AP	Electrical Designer	X	X	X								

#### RK&K, LLC

Pastor "Felipe" Gonzalez, P.E.	Senior Project Engineer				X							
Angel Cano, P.E.	Senior Project Engineer					X						
Gustavo Morris, P.E.	Project Administrator											
Erick Garcia	Project Administrator											
Joseph Poerio	Contract Supp. Specialist				X							
Gilbert Luckie	Senior Inspector				X							
Morris Williams	Senior Inspector											
Norman Rhoden	Inspector				X							
Ryan Poerio	Inspector Aide											
Patricia Ahumada	Resident Compl. Specialist											
Jason Lyle, P.E.	Transportation							X				
Joseph Baan, P.E.	Transportation							X				
Ryan Jensen, P.E.	Transportation											

#### Saltz Michelson Architects, Inc.

Charles Michelson, AIA	Architect/Principal-In-Charge							X	X	X	X
Sheff Devier, AIA	Architect/Sr. Project Manager							X	X	X	X
Maday Gutierrez, RA	Architect/Project Manager									X	X

### 31. Example Projects Key

No.	Title Of Example Project (From Section F)	No.	Title Of Example Project (From Section F)
19	Broward County Courthouse	24	Florida's Turnpike Enterprise   SR 91 (Florida's Turnpike Mainline) from MP 57.3 to MP 65.2 Resurfacing and Safety Improvements, Broward County, FL
20	Operation Center, South Florida Regional Transit Agency (SFRTA), Pompano Beach, FL	25	Pembroke Shores YMCA Addition / Renovation
21	Joint Government Center Campus Fort Lauderdale, FL	26	West Pines Soccer Park & Community Building
22	FDOT District Four   Lyons Road from C-14 Canal to Sawgrass Expressway CEI, Coconut Creek, FL	27	Broward County Continuing Contract
23	Seminole Tribe of Florida   Frank Shore and Billie Road CEI, Brighton Reservation, FL	28	Memorial Healthcare System Continuing Contract



## H. Additional Information

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

CTS has strategically assembled a Team of subconsultants with the expertise and availability needed for this contract. CTS has prior experience with our subconsultants, thus assuring a successful working relationship. A brief narrative of each firm and overall experience needed to fulfill the needs of the City of Pembroke Pines is listed below.

### SUBCONSULTANT TEAM



AREHNA Engineering, Inc. is a geotechnical engineering and materials testing firm with an experienced staff of engineers, who work closely with clients and project design teams, carefully consider project information, and provide the most cost-effective solutions to the challenges faced on each project. AREHNA's project experience includes many thousands of geotechnical engineering and materials testing projects, including water and wastewater facilities, pipelines, roadway improvement, bridge replacements, complete streets, parks, trails, as well as safety and bike and pedestrian, stormwater, and drainage projects for Miami-Dade County, FDOT, as well as other Counties/Cities throughout the State.

AREHNA, prequalified in FDOT Work Groups: 9.1, 9.2, 9.3, 9.4.1, 9.4.2, 9.5 and 10.3, has a full service geotechnical and construction materials testing laboratory, which is AASHTO accredited, USACE validated and FDOT approved. AREHNA's in-house drilling and coring capabilities gives us control of our schedule and the ability to meet the most aggressive project schedules. AREHNA Engineering is an SBE with Miami-Dade County and certified Woman Owned firm with the State of Florida and Disadvantage Business Enterprise DBE and SBE with the FDOT.



ASA Consultants, Inc. (DBE/SBE) led by Soheila Sadough, PE is a South Florida based, minority-owned, small business company. ASA is a multi-disciplined civil engineering consulting firm specializing primarily in the transportation roadway and structural engineering services - including bridge design, interchange design, highway design, urban street arterial design, preliminary engineering studies, and bridge inspections.

ASA is a fully certified Disadvantage Business Enterprise (DBE) and Miami-Dade County Small Business Enterprise (SBE) qualified in the following work types: 1.01, 3.01, 3.02, 3.04, 3.06, 3.07, 3.09, 3.10, 3.11, 10.01, 16.00. We have extensive experience working with state and municipal clients throughout Florida including, Florida Department of Transportation (FDOT) all Districts, Florida's Turnpike Enterprise (FTE), Broward County and Greater Miami Expressway Authority (GMX).



Founded in 1986, Chen Moore and Associates (CMA) specializes in civil engineering, water resources, water and sewer, landscape architecture, electrical engineering, transportation, planning and irrigation, environmental and construction engineering services. With the recent addition of Fred Wilson and Associates (opened in 1962) in 2021, the combined firm has now officially been in business for over sixty (60) years. The firm commits to providing responsive quality services while meeting the schedules and specific project needs of our clients. The firm has its headquarters in Fort Lauderdale. CMA has regional offices in Miami, West Palm Beach, Orlando (Maitland), and Jacksonville, with additional offices in Jupiter, Port St. Lucie, Sarasota (Nokomis), Gainesville, Tampa, and Atlanta, GA. The firm continues to grow by striving for excellence in design, innovation, project management, and quality.



Hammond & Associates, Inc. (Hammond) is a Mechanical, Electrical, Plumbing and Fire Protection Design Engineering Company which started operations in 1988. It has enjoyed more than 30 years in providing engineering services to various local agencies, counties, and governmental agencies.

Our goal at Hammond is to build long-term business relationships and provide quality service that helps our clients from the various counties, cities and municipalities succeed. Our design staff includes outstanding HVAC, Electrical and Plumbing designers with many years of experience in new, remodeling and renovation of projects of varying size and scope.

## H. Additional Information



RK&K is a full-service planning, engineering, environmental and construction management/inspection firm serving a wide range of clients in the mid-Atlantic, South-eastern and South-central United States. Fueled by a talented and diversified staff, RK&K provides creative solutions to complex challenges that improve the quality of life in our communities. What sets RK&K apart is an award-winning culture that has fostered a spirit of collaboration and trust for 100 years. To its clients, the firm delivers concepts, processes and outcomes that are designed for success. RK&K has earned its reputation as a trusted partner, responsive employer, and community steward.



Saltz Michelson Architects, Inc. is an award-winning architectural firm providing a full range of architectural and planning services. Our commitment to professionalism and strong project management has allowed us to play a key role in the development of public and private projects throughout Florida. The services we offer are tailored to the unique needs of our clients and the specific requirements of the projects for which we are responsible.

With offices in Fort Lauderdale and Doral, Florida, the firm was founded in 1976 by Mark L. Saltz, an architect and general contractor. Charles A. Michelson, now president of the firm, joined SMA in 1980 and became a principal in 1990. Today, of the thirty-one professionals employed by the firm, ten are registered architects - five of which are LEED Accredited Professionals. The combined knowledge and expertise of the entire Saltz Michelson Architects team ensures a consistent standard of design and quality for every project.

## FIRM LICENSES AND CERTIFICATIONS

### CTS Engineering, Inc.

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

**Licensee Information**

Name: CTS ENGINEERING, INC. (Primary Name)  
 Main Address: 3230 W COMMERCIAL BLVD SUITE 220 FORT LAUDERDALE Florida 33309  
 County: BROWARD

**License Information**

License Type: Engineering Business Registry  
 Rank: Registry  
 License Number: 28935  
 Status: Current  
 Licensure Date: 12/28/2009  
 Expires:

**BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT**  
 115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-357-4829  
**VALID OCTOBER 1, 2023 THROUGH SEPTEMBER 30, 2024**

DBA: CTS ENGINEERING INC      Receipt #: 315-274845  
 Business Name: CTS ENGINEERING INC      Business Type: ENGINEER

Owner Name: SHENG YANG      Business Opened: 02/03/2016  
 Business Location: 3230 W COMMERCIAL BLD STE 220 FT LAUDERDALE State/County/Cert/Reg: 28935  
 Business Phone: 3058907198      Exemption Code:

Rooms	Seats	Employees	Machines	Professionals
		35		

For Vending Business Only						
Number of Machines:				Vending Type:		
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
45.00	0.00	0.00	0.00	0.00	0.00	45.00

Receipt Fee: 45.00  
 Packing/Processing/Canning Employees: 0.00

*State of Florida*

**Minority Business Certification**

CTS Engineering, Inc

Is certified under the provisions of 287 and 285.167, Florida Statutes, for a period from: June 10, 2022 to June 10, 2024

J. Todd Bruce  
Florida Department of Management Services

**Florida UCP DBE Directory**

Number of Records Returned: 1  
 Selection Criteria:  
 Vendor: CTS ENGINEERING INC

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Vendor Name: CTS ENGINEERING INC  
 DBE Certification: CERTIFIED      MBE Certification: Certified  
 Former Name: Certified  
 Business Description: TRANSPORTATION PLANNING/TRAFFIC ENGINEERING/AND TRAFFIC DATA COLLECTION

Mailing Address: 8095 NW 12TH ST STE 315 DORAL, FL 33126

Contact Name: SHENG YANG      Phone: (305) 599-8688      Fax: (305) 599-8692  
 Email: SYANG@CTSENG.COM      ACDBE Status: N

Statewide Availability: N

Certified NAICS  
 541330 Engineering Services  
 541690 Other Scientific and Technical Consulting Services

## H. Additional Information

**Florida Department of Transportation**

RON DESANTIS  
GOVERNOR

JARED W. PERDUE, P.E.  
SECRETARY

May 20, 2023

Shong Yang, President  
CTS ENGINEERING, INC.  
3230 West Commercial Boulevard, Suite 220  
Fort Lauderdale, Florida 33309

Dear Mr. Yang:

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

- Group 2 - Project Development and Environmental (PD&E) Studies
- Group 3 - Highway Design - Roadway
  - 3.1 - Minor Highway Design
  - 3.2 - Major Highway Design
  - 3.3 - Controlled Access Highway Design
- Group 6 - Traffic Engineering and Operations Studies
  - 6.1 - Traffic Engineering Studies
  - 6.2 - Traffic Signal Timing
- Group 7 - Traffic Operations Design
  - 7.1 - Signing, Pavement Marking and Channelization
  - 7.2 - Lighting
  - 7.3 - Signalization
- Group 8 - Survey and Mapping
  - 8.1 - Control Surveying
  - 8.2 - Design, Right of Way & Construction Surveying
  - 8.3 - Photogrammetric Mapping
  - 8.4 - Right of Way Mapping
- Group 13 - Planning
  - 13.3 - Policy Planning
  - 13.4 - Systems Planning
  - 13.5 - Subarea/Corridor Planning
  - 13.6 - Land Planning/Engineering
  - 13.7 - Transportation Statistics

1

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2024, for contracting purposes.

Approved Rates				
Home/ Branch Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense
181.49%*	0.632%	Reimbursed	No	34.49%

\*For multi-year contracts, DOT has adjusted the overhead rates to mitigate the adverse impacts of Payroll Protection Program loan forgiveness. For information on the adjusted overhead rates, contact the district Procurement Office.

**Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.**

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

Sincerely,  
  
Carliayn Kell  
Professional Services  
Qualification Administrator

2

### State of Florida Department of State

I certify from the records of this office that CTS ENGINEERING, INC. is a corporation organized under the laws of the State of Florida, filed on October 8, 2009.

The document number of this corporation is P09000083589.

I further certify that said corporation has paid all fees due this office through December 31, 2024, that its most recent annual report/uniform business report was filed on January 4, 2024, and that its status is active.

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

*Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Fourth day of January, 2024*

**Secretary of State**

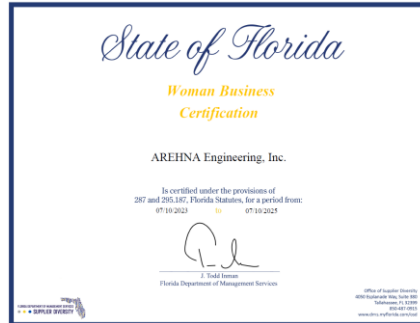
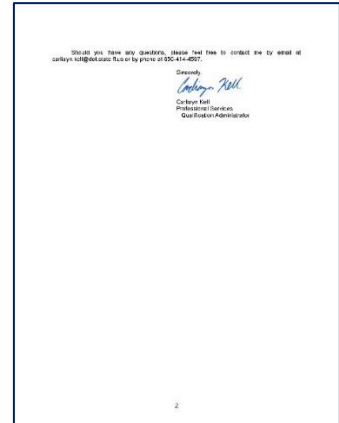
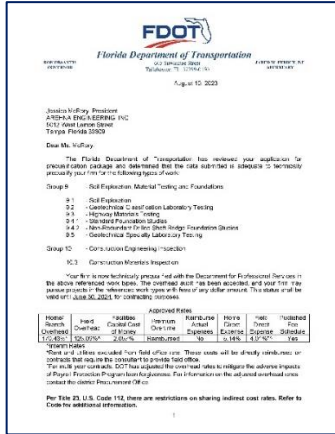
Tracking Number: 94316568CC

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

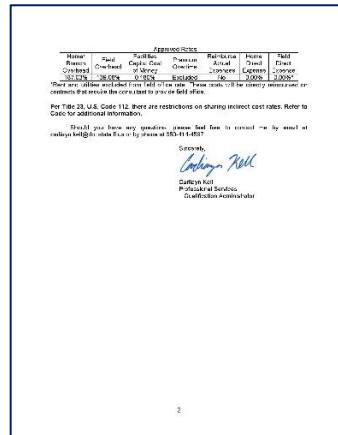
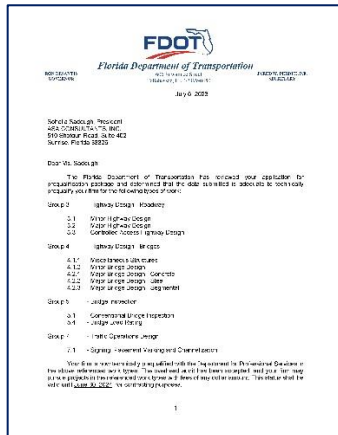
<https://services.sunbiz.org/Filings/CertificateOfStatusCertificateAuthentication>

H. Additional Information


**AREHNA Engineering, Inc.**



**ASA Consultants, Inc.**



# Chen Moore & Associates, Inc.



**Florida Department of Transportation**  
FDOT  
800 N. W. 13th Street  
Tallahassee, FL 32304

Rev 10 2023

Dear Mr. Moss:

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

- Group 7 - Project Development and Procurement (PDP) Studies
- Group 7 - Highway Design - Roadway
- 2.1 - Minor Highway Design
- 3.2 - Major Highway Design
- 3.3 - Connected Access Highway Design
- Group 8 - Bridge Inspection
- 5.4 - Bridge Load Rating
- Group 7 - Traffic Operations Design
- 7.1 - Signing, Pavement Marking and Channelization
- 7.2 - Lighting
- 7.3 - Signalization
- Group 10 - Construction Engineering Inspection
- 10.1 - Roadway Construction Engineering Inspection
- Group 13 - Planning
- 13.6 - Land Planning/Engineering
- Group 15 - Landscape Architecture

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The contract award has been accepted, and your firm may pursue projects in the referenced work types until June 30, 2024 for contracting purposes.

Approved Rates					
Home Branch	Facilities	Preparer	Reimbursable	Home	Field
Overhead	of Work	Cost	Cost	Direct Expenses	Direct Expenses
145.00%	11.17%	0.00%	Excluded	No	3.50%

Per Title 29, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.

Should you have any questions, please feel free to contact me by email at chenmoore@chenmoore.com or by phone at (850) 414-4587.

Sincerely,  
*Colleen Zell*  
Colleen Zell  
Professional Services  
Qualification Administrator

# Hammond & Associates, Inc.



Log Out

Search for a Licensee  
Apply for a License  
View Application Status  
Find Exam Information  
File a Complaint  
ASST Delinquent Invoicing & Activity List Search



**DBPR ONLINE SERVICES**

**Licensee Information**

Name: HAMMOND & ASSOCIATES, INC. (Primary Name)  
Main Address: 8900 N. LAKE DASIA DRIVE  
PLANTATION, Florida 33324  
County: BROWARD  
License Mailing:  
License Location:

**License Information**

License Type: Registry  
Rank: Registry  
License Number: 5315  
Status: Current  
License Date: 04/14/1989  
Expires:

**Special Qualifications**

Qualification Effective

Alternate Names:

State of Florida

Minority Business  
Certification

Hammond & Associates, Inc.

is certified under the provisions of  
287 and 295.187, Florida Statutes, for a period from:  
08/07/2023 to 08/07/2025

*J. Todd Jones*  
J. Todd Jones  
Florida Department of Management Services

Office of Public Services  
400 North 707th Avenue, Suite 201  
Plantation, FL 33317  
www.dms.state.fl.us

**BROWARD COUNTY**  
OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT  
Governmental Center Annex  
110 E. Robinson Avenue, Room 302 • Fort Lauderdale, Florida 33301 • 954.387.8400

June 13, 2023

Mr. Eric Hammond  
HAMMOND & ASSOCIATES, INC.  
400 NW 707th Avenue, Suite 201  
Plantation, FL 33317

**ANNIVERSARY DATE - Annually, on September 1st**

Dear Mr. Hammond:

Broward County is pleased to announce Hammond & Associates, Inc. has received its certification as a Disadvantaged Business Enterprise (DBE) in Florida, under a Unified Certification Program (UCP) in accordance with 49 CFR, PART 26.

DBE certification continues from your anniversary date, but is contingent upon Hammond & Associates, Inc. renewing its eligibility annually through the office, Office of Economic and Small Business Development (OESBD). OESBD will notify you in advance of your obligation to provide continuing eligibility documents, however, ensuring continued certification is your responsibility. Failure to continue your eligibility will result in immediate action to de-certify Hammond & Associates, Inc. as a DBE.

As long as Hammond & Associates, Inc. is listed in the DBE Directory, it is considered DBE Certified by all Florida UCP Members.

DBE Certification is subject to actions by governmental agencies impacting the disadvantaged status of Hammond & Associates, Inc.

Hammond & Associates, Inc. will be listed in Florida's UCP DBE Directory which can be accessed via the internet, at: <https://www.dms.state.fl.us/ucp/dbe/Directory/CustomSearch>

DBE certification is NOT a guarantee of work, but enables Hammond & Associates, Inc. to compete for and perform contract work on all USDOT Federal Aid (FA, FTA, and FHWA) projects in Florida as a DBE contractor, sub-contractor, consultant, and sub-consultant or material supplier.

Should you have any questions, please feel free to contact me by email at chenmoore@chenmoore.com or by phone at (850) 414-4587.

Sincerely,  
*Colleen Zell*  
Colleen Zell  
Professional Services  
Qualification Administrator

# RK&K, LLC

State of Florida

Department of State


I certify that the register of this office has received the application for registration of the partnership of **RK&K, LLP** as a Maryland Limited Liability Partnership, effective February 19, 2024.

The document number of this registration is LL090000109.

I further certify that the status of said limited liability partnership is active.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the twenty-eighth day of March, 2023.

*Conf Byrd*  
Conf Byrd  
Secretary of State



**Florida Department of Transportation**  
FDOT  
800 N. W. 13th Street  
Tallahassee, FL 32304

September 11, 2023

Alison Turner, Director  
R. W. McCL. KLEPPER & GALT, LLP (aka RK&K)  
J/D EAST HECT STREET, Suite 100  
Baltimore, Maryland 21202

Dear Ms. Turner:

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

- Group 2 - Project Development and Environmental (PDE) Studies
- Group 3 - Highway Design - Roadway
- 3.1 - Minor Highway Design
- 3.2 - Major Highway Design
- 3.3 - Connected Access Highway Design
- Group 4 - Highway Design - Bridges
- 4.1 - Arch/Innovative Structures
- 4.2 - Minor Bridge Design
- 4.2.2 - Major Bridge Design - Steel
- Group 5 - Bridge Inspection
- 5.1 - Component or Deck Inspector
- 5.2 - Complex Bridge Inspection
- 5.4 - Bridge Load Rating
- Group 6 - Traffic Engineering and Operations Studies
- 6.1 - Traffic Engineering Studies
- 6.2 - Traffic Signal Timing
- 6.2.1 - Intelligent Transportation Systems Analysis and Design
- 6.2.2 - Intelligent Transportation Systems Implementation
- 6.2.3 - Intelligent Transportation Systems Engineering/Systems Communications
- Group 7 - Traffic Operations Design
- 7.1 - Signing, Pavement Marking and Channelization
- 7.2 - Lighting
- 7.3 - Signalization

- Group 9 - Soil Exploration, Vibration Testing and Foundations
  - 9.1 - Standard Foundation Studies
  - 9.2 - Non-Standard/Other/Other Foundation Studies
- Group 10 - Construction Engineering Inspection
  - 10.1 - Roadway Construction Engineering Inspection
  - 10.2 - Construction Materials Inspection
  - 10.4 - Minor Bridge & Ancillary Structures (CS)
  - 10.5.1 - Major Bridge CS - Concrete
  - 10.5.2 - Major Bridge CS - Steel
- Group 13 - Planning
  - 13.3 - Policy Planning
  - 13.4 - Systems Planning
  - 13.5 - Strategic/Comprehensive Planning
  - 13.6 - Land Planning/Engineering

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The contract award has been accepted, and your firm may pursue projects in the referenced work types until June 30, 2024 for contracting purposes.

Approved Rates					
Home Branch	Facilities	Preparer	Reimbursable	Home	Field
Overhead	of Work	Cost	Cost	Direct Expenses	Direct Expenses
145.00%	11.17%	0.00%	Excluded	No	3.50%

Per Title 29, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.

Should you have any questions, please feel free to contact me by email at chenmoore@chenmoore.com or by phone at (850) 414-4587.

Sincerely,  
*Colleen Zell*  
Colleen Zell  
Professional Services  
Qualification Administrator



# Saltz Michelson Architects

**State of Florida  
Department of State**

I certify from the records of this office that SALTZ MICHELSON ARCHITECTS, INC. is a corporation organized under the laws of the State of Florida, filed on November 7, 1996.

The document number of this corporation is P9600091528.

I further certify that said corporation has paid all fees due this office through December 31, 2024, that its most recent annual report/uniform business report was filed on January 4, 2024, and that its status is active.

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

*Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Fourth day of January, 2024.*



*[Signature]*  
Secretary of State

Tracking Number: 072560204EC  
To substantiate this certificate visit the following site enter this number, and then follow the instructions displayed.  
<https://services.usdoj.org/FlBgc/CertificateOfStatus/CertificateAuthentication>

**CITY OF DANIA BEACH  
Business Tax Receipt**

VALID THROUGH 9/30/2024

SALTZ MICHELSON ARCHITECTS  
3501 GRIFFIN RD  
FORT LAUDERDALE, FL 33312

Business Name: SALTZ MICHELSON ARCHITECTS  
Location Address: 3501 GRIFFIN RD  
Number/Class: 808 / Professional  
Issue Date: 09/22/2023  
Expiration Date: 9/30/2024

Quantity	Charge Description	Amount Paid
1	Architects	\$238.25
300	Fire Prevention Annual Fee	\$320.00
1	Waste Registration Fee	\$15.00
<b>Total:</b>		<b>\$673.25</b>

Comments:  
Restrictions:

SUBJECT AND ISSUED ACCORDING TO BUSINESS TAX RECEIPT ORDINANCE CHAPTER 15.

**MUST BE POSTED CONSPICUOUSLY AT BUSINESS LOCATION**

"Broward's Finest City"  
100 West Dania Beach Boulevard • Dania Beach, Florida 33004 • Phone: 954-924-4800 ext. 3672

**BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT**

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 - 954-357-4829  
VALID OCTOBER 1, 2023 THROUGH SEPTEMBER 30, 2024

DBA: SALTZ, MARK L.      Receipt #: 218-251  
Business Name: SALTZ MICHELSON ARCHITECTS INC.      Business Type: ARCHITECT CORP  
Owner Name: SALTZ MICHELSON ARCHITECTS INC.      Business Opened: 09/23/1980  
Business Location: 3501 GRIFFIN RD      State/County/Cert/Reg: FL/AC090840  
FT. LAUDERDALE      Exemption Code:  
Business Phone: 954-989-3186

Rooms	Seats	Employees	Machines	Professionals
		2		

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

Receipt Fee: 30.00  
Packing/Processing/Canning Employees: 6.00

**THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS**


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

**WHEN VALIDATED**

Mailing Address:  
SALTZ MICHELSON ARCHITECTS INC.  
3501 GRIFFIN RD  
FORT LAUDERDALE, FL 33312      Receipt #: 218-251-00002850  
Paid 07/28/2023 30.00

2023 - 2024

**I. Authorized Representative**  
The foregoing is a statement of facts.

<p>31. SIGNATURE</p> 	<p>32. DATE</p> <p style="text-align: center;">2/27/2024</p>
<p>33. NAME AND TITLE</p> <p>Sheng Yang, P.E., PTOE - President</p>	

# ARCHITECT - ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER  
PSPW-23-20

## PART II - GENERAL QUALIFICATIONS

2a. FIRM (or Branch Office) NAME <b>CTS ENGINEERING, INC.</b>			3. YEAR ESTABLISHED 2009	4. UNIQUE ENTITY IDENTIFIER
2b. STREET 3230 West Commercial Blvd, Suite 220			5. OWNERSHIP	
2c. CITY Fort Lauderdale	2d. STATE FL	2e. ZIP CODE 33309	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Sheng Yang, P.E., PTOE - President			b. SMALL BUSINESS STATUS Active	
6b. TELEPHONE NUMBER 954-637-1608		6c. EMAIL ADDRESS syang@ctseinc.com	7. NAME OF FIRM (If Block 2a is a Branch Office) CTS Engineering, Inc.	
8a. FORMER FIRM NAME(S) (If any) N/A		8b. YEAR ESTABLISHED N/A	8c. UNIQUE ENTITY IDENTIFIER 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		a. Profile Code	b. Experience	c. Revenue Index Number
		(1) Firm	(2) Branch			
02	Administrative	5	4	C16	Construction Surveying	1
12	Civil Engineer	21	13	C18	Cost Estimating; Cost Eng. And Analysis	1
29	Geographic Information System Specialist	1	1	G04	Geographic Information System Specialist	22
38	Land Surveyor	2	1	G05	Geospatial Data Conversion	1
47	Planner: Urban/Regional	3	3	L02	Land Surveying	2
58	Technician/Analyst	22	7	L06	Lighting (Exteriors)	2
60	Transportation Engineer	3	3	P05	Planning (Community, Regional, Areawide & State)	4
				R03	Railroad; Rapid Transit	4
				R10	Risk Analysis	1
				S10	Surveying; Platting; Mapping	3
				S13	Stormwater Handling & Facilities	1
				T03	Traffic & Transportation Engineering	4
				T04	Topographic Surveying & Mapping	1
				V01	Value Analysis; Life Cycle Costing	1
				Z01	Zoning; Land Use Studies	1
	Other Employees	29	21			
	<b>Total</b>	86	53			


### 11. Annual Average Professional Services Revenues of Firm for Last 3 Years

### Professional Services Revenue Index Number

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

### 12. Authorized Representative

*The foregoing is a statement of facts.*

a. SIGNATURE 	b. DATE 2/27/2024
c. NAME AND TITLE Sheng Yang, P.E., PTOE - President	

# ARCHITECT - ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER

PSPW-23-20

## PART II - GENERAL QUALIFICATIONS


2a. FIRM (or Branch Office) NAME <b>CTS ENGINEERING, INC.</b>			3. YEAR ESTABLISHED 2009	4. UNIQUE ENTITY IDENTIFIER
2b. STREET 8095 NW 12 <sup>th</sup> Street, Suite 315			5. OWNERSHIP	
2c. CITY Doral	2d. STATE FL	2e. ZIP CODE 33126	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Sheng Yang, P.E., PTOE - President			b. SMALL BUSINESS STATUS Active	
6b. TELEPHONE NUMBER 305-890-7198		6c. EMAIL ADDRESS syang@ctseinc.com	7. NAME OF FIRM (If Block 2a is a Branch Office) CTS Engineering, Inc.	
8a. FORMER FIRM NAME(S) (If any) N/A		8b. YEAR ESTABLISHED N/A	8c. UNIQUE ENTITY IDENTIFIER 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		a. Profile Code	b. Experience	c. Revenue Index Number
		(1) Firm	(2) Branch			
02	Administrative	5	1	C16	Construction Surveying	1
12	Civil Engineer	21	5	C18	Cost Estimating; Cost Eng. And Analysis	1
29	Geographic Information System Specialist	1		G04	Geographic Information System Specialist	22
38	Land Surveyor	2	1	G05	Geospatial Data Conversion	1
47	Planner: Urban/Regional	3		L02	Land Surveying	2
58	Technician/Analyst	22	13	L06	Lighting (Exteriors)	2
60	Transportation Engineer	3		P05	Planning (Community, Regional, Areawide & State)	4
				R03	Railroad; Rapid Transit	4
				R10	Risk Analysis	1
				S10	Surveying; Platting; Mapping	3
				S13	Stormwater Handling & Facilities	1
				T03	Traffic & Transportation Engineering	4
				T04	Topographic Surveying & Mapping	1
				V01	Value Analysis; Life Cycle Costing	1
				Z01	Zoning; Land Use Studies	1
	Other Employees	29	4			
	<b>Total</b>	86	24			

11. Annual Average Professional Services Revenues of Firm for Last 3 Years		Professional Services Revenue Index Number	
a. Federal Work		1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	8	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
		3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
c. Total Work	8	4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

### 12. Authorized Representative

*The foregoing is a statement of facts.*

a. SIGNATURE 	b. DATE 2/27/2024
c. NAME AND TITLE Sheng Yang, P.E., PTOE - President	

# ARCHITECT ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)


**PSPW-23-20**

## PART II - GENERAL QUALIFICATIONS

2a. FIRM (OR BRANCH OFFICE) NAME <b>AREHNA Engineering, Inc.</b>			3. YEAR ESTABLISHED <b>2009</b>	4. UNIQUE ENTITY IDENTIFIER <b>WYD7KGQSZ726</b>
2b. STREET <b>5389 N Nob Hill Road</b>			5. OWNERSHIP a. TYPE <b>Corporation</b>	
2c. CITY <b>Sunrise</b>	2d. STATE <b>Florida</b>	2e. ZIP CODE <b>33351</b>		
6a. POINT OF CONTACT NAME AND TITLE Jessica McRory, PE, LEED AP, President			b. SMALL BUSINESS STATUS <b>MBE, DBE, WMBE, DW/DMBE</b>	
6b. TELEPHONE NUMBER 813-944-3464			6c. E-MAIL ADDRESS jmcroly@arehna.com	
7. NAME OF FIRM (If block 2a is a branch office) Not Applicable				
8a. FORMER FIRM NAME(S) (if any) Not Applicable			8b. YR. ESTABLISHED Not Applicable	8c. DUNS NUMBER Not Applicable

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS			
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)	
		(1) FIRM	(2) BRANCH				
27	Foundation/Geotechnical Engineer	10		S05	Soils and Geologic Studies: Foundations		6
26	Forensic Engineer	2					
48	Project Manager	5		T02	Testing and Inspection Services		6
30	Geologist	1		F05	Forensic Engineering		1
08	CADD Technician	1					
58	Technician/Analyst	10					
15	Construction Inspector	11					
02	Administrative	8					
	<b>Other Employees</b>						
<b>Total</b>		<b>47</b>					

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

12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.	
a. SIGNATURE 	b. DATE 2/6/2024
c. NAME AND TITLE Jessica McRory, President	

# 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 ASA Consultants, Inc.			3. YEAR ESTABLISHED 2014	4. UNIQUE ENTITY IDENTIFIER 46-5512620
2b. STREET 510 Shotgun Road, Suite 402			5. OWNERSHIP	
2c. CITY Sunrise		2d. STATE FL	2e. ZIP CODE 33326	
6a. POINT OF CONTACT NAME AND TITLE Soheila Sadough, President			a. TYPE S Corporation	
6b. TELEPHONE NUMBER 754-216-2026			b. SMALL BUSINESS STATUS State of Florida WBE/FDOT DBE & SBE	
6c. E-MAIL ADDRESS ssadough@asaconsultants.us			7. NAME OF FIRM <i>(If Block 2a is a Branch Office)</i>	
8a. FORMER FIRM NAME(S) <i>(If any)</i>			8b. YEAR 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. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number <i>(see below)</i>
		(1) FIRM	(2) BRANCH			
12, 57	Civil Engineering/ Structures	10		B02	Bridge Design	4
				S09	Special Structures design	3
				H07	Roadway Design	4
Other Employees						
<b>Total</b>		10				

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

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

a. SIGNATURE 	b. DATE 9/26/2023
c. NAME AND TITLE Soheila Sadough, President	



# ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)  
PSPW-23-20

## PART II – GENERAL QUALIFICATIONS

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

2a. FIRM (or Branch Office) NAME Chen Moore and Associates, Inc.				3. YEAR ESTABLISHED 2011	4. UNIQUE ENTITY IDENTIFIER 859459547
2b. STREET 2103 Coral Way, Suite 401				5. OWNERSHIP	
2c. CITY Miami		2d. STATE FL	2e. ZIP CODE 33145		a. TYPE Corporation
6a. POINT OF CONTACT NAME AND TITLE Peter Moore, PE, LEED AP, F.ASCE, President and CEO				b. SMALL BUSINESS STATUS No (note: CMA is an SBE at the federal level)	
6b. TELEPHONE NUMBER 786.497.1500 x1002		6c. E-MAIL ADDRESS pmoore@chenmoore.com			
8a. FORMER FIRM NAME(S) (If any) Chen and Associates Consulting Engineers, Inc.				8b. YEAR ESTABLISHED 1986	8c. UNIQUE ENTITY IDENTIFIER 859459547
7. NAME OF FIRM (If block 2a is a branch office)					

### 9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees	
		(1) FIRM	(2) BRANCH
02	Administrative	14	1
08	CADD Technician	23	2
12	Civil Engineer	32	10
15	Construction Inspector	7	1
16	Construction Manager	2	1
39	Landscape Architect	12	0
47	Planners (our planners are also registered landscape architects)	2	0
21	Electrical Engineer	15	0
60	Transportation Engineer	6	0
24	Environmental Scientist	1	
	Other Employees	112	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)
C10	Commercial Building; (low rise); Shopping	1
C15	Construction Management	4
C18	Cost Estimating; Cost Engineering and	2
E02	Education Facilities; Classrooms	3
E09	Environmental Impact Studies	1
G04	GIS development, analysis, data	2
H07	Highways; Streets; Airfield; Parking	3
L03	Landscape Architecture	4
P05	Planning (Community, Regional)	3
P06	Planning (Site, Installation)	4
P13	Public Safety Facilities	5
R04	Recreation Facilities (Parks, etc.)	3
R06	Rehab. (Buildings, Structures)	1
R11	Rivers Canals; Waterways; Flood Control	3
S04	Sewage Collection & Treatment	4
S11	Sustainable Design	2
S13	Stormwater Handling & Facilities	5
T02	Testing & Inspection Services	4
T03	Traffic & Transportation	4
V01	Value Analysis; Life-Cycle Costing	1
W03	Water Supply, Treatment, Distrib.	5

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

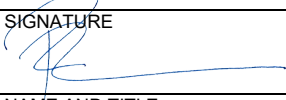
a. Federal Work	2
b. Non-Federal Work	8
c. Total Work	8

### 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 	b. DATE 2/2/2024
c. NAME AND TITLE Peter Moore, P.E., F.ASCE, FACEC, President and CEO	

# ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

PSPW-23-20

## PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (or Branch Office) NAME Hammond & Associates, Inc			3. YEAR ESTABLISHED 1988	4. UNIQUE ENTITY IDENTIFIER 96-804-3893
2b. STREET 499 NW 70th Avenue Suite 201			5. OWNERSHIP	
2c. CITY Plantation	2d. STATE FL	2e. ZIP CODE 33317	a. TYPE S Corporation	
6a. POINT OF CONTACT NAME AND TITLE Nathaniel Hammond, PE			b. SMALL BUSINESS STATUS SBE	
6b. TELEPHONE NUMBER 954-327-7111		6c. E-MAIL ADDRESS nathanh@hammondengineers.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	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. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
21	Electrical	4		A05	Airport Lighting	1
42	Mechanical	4		A06	Airport Terminals and Hangars	6
08	CADD Technician	1		C11	Community Facilities	2
02	Administratives	3		C13	Computer Facilities	2
17	Construction Manager	1		C15	Construction Management	4
				C18	Cost Estimating	4
				D04	Design-Build	5
				E02	Educational Facilities	4
				E05	Elevators; People Movers	2
				G01	Garages; Vehicle Maintenance	2
					Facilities Parking Decks	
				H01	Ship Terminals Facilities	6
				L01	Laboratories; Medical Facilities	2
				L04	Libraries; Museums	3
				O01	Office Buildings	4
				P13	Public Safety Facilities	4
				R04	Recreational Facilities; Parks	4
				T01	Telephone Systems	2
	Other Employees	2				
<b>Total</b>		15				

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER			
a. Federal Work	0	1. Less than \$100,000	6. \$2 million to less than \$5 million	7. \$5 million to less than \$10 million	8. \$10 million to less than \$25 million
b. Non-Federal Work	6	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
c. Total Work	6	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 2/7/2024
---	---------------------

c. NAME AND TITLE  
Nathaniel Hammond, PE | President

# ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)  
RFQ #PSPW-23-23

## PART II – GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME

**Rummel, Klepper & Kahl, LLP**



3. YEAR  
ESTABLISHED  
1923

4. UNIQUE ENTITY  
IDENTIFIER  
H65ZV5HPXEE8

2b. STREET

402 S. Kentucky Avenue, Suite 400

5. OWNERSHIP

a. TYPE  
Limited Liability Partnership

2c. CITY

Lakeland

2d. STATE

FL

2e. ZIP CODE

33801

b. SMALL BUSINESS STATUS

NA

6a. POINT OF CONTACT NAME AND TITLE

Enrique J. Tamayo, PE | Director

7. NAME OF FIRM (If block 2a is a branch office)

Rummel, Klepper & Kahl, LLP

6b. TELEPHONE NUMBER

305.596.0912

6c. E-MAIL ADDRESS

etamayo@rkk.com

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

8b. YR ESTABLISHED

8c. UNIQUE ENTITY  
IDENTIFIER

### 9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees	
		(1) FIRM	(2) BRANCH
02	Administrative	161	2
05	Archaeologist/Historians	27	
06	Architects	2	
08	CADD Technicians	47	
12	Civil Engineers	35	
15	Construction Inspectors	429	4
16	Construction Managers/Engineers	134	2
21	Electrical Engineers	7	
23	Environmental Engineers	48	
24	Environmental Scientists/Designers	47	
29	GIS	11	
27	Geologists/Soils Engineers	25	
32	Hydraulic/Water Res Engineers	100	1
38	Land Surveyors	16	
39	Landscape Architects	5	
42	Mechanical Engineers	6	
47	Planners: Urban/Regional	34	2
52	Sanitary Engineers	5	
57	Structural Engineers	62	
58	Designers/Technician Support Staff	23	
60	Transportation Engineers	201	5
	Traffic Engineers	85	
	Utility Engineers/Corrosion	42	
	IT/Graphics/Public Involvement	28	1
<b>Total</b>		<b>1580</b>	<b>17</b>

### 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)
A01	Acoustics, Noise Abatement	5
B02	Bridges	8
C15	Construction Management	9
D01	Dams	5
E09	Environmental Impact Studies	7
G02	Gas Systems (Propane, Natural, Etc.)	5
H01	Harbors, Piers, Terminals	5
H07	Highways, Streets, Airfield Paving	8
P04	Pipelines	5
P06	Planning (Site, Installation and Project)	7
R03	Railroad, Rapid Transit	7
R11	Rivers, Canals, Waterways, Flood Control	6
S04	Sewage Collection, Treatment & Disposal	8
S05	Soils & Geologic Studies, Foundations	5
S09	Structural Design, Special Structures	8
S10	Surveying, Platting, Mapping, Flood...	5
S13	Stormwater Handling & Facilities	7
T02	Testing & Inspection Services	8
T03	Traffic & Transportation Engineering	8
U03	Utilities (Gas & Steam)	5
W02	Water Resources, Hydrology, Ground...	7
W03	Water Supply, Treatment & Distribution	8
H03	Hazardous Waste Remediation	5
	Wetlands	6

### 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	10
c. Total Work	10

### PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

### 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. Signature

b. Date

January 9, 2024

c. NAME AND TITLE

Enrique J. Tamayo, PE | Director

# ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)  
RFQ #PSPW-23-20

## PART II – GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME

**Rummel, Klepper & Kahl, LLP**



3. YEAR  
ESTABLISHED  
1923

4. UNIQUE ENTITY  
IDENTIFIER  
H65ZV5HPXEE8

2b. STREET

701 Waterford Way, Suite 780

5. OWNERSHIP

a. TYPE  
Limited Liability Partnership

2c. CITY

Miami

2d. STATE

FL

2e. ZIP CODE

33126

b. SMALL BUSINESS STATUS

NA

6a. POINT OF CONTACT NAME AND TITLE

Enrique J. Tamayo, PE | Director

7. NAME OF FIRM (If block 2a is a branch office)

Rummel, Klepper & Kahl, LLP

6b. TELEPHONE NUMBER

305.596.0912

6c. E-MAIL ADDRESS

etamayo@rkk.com

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

8b. YR ESTABLISHED

8c. UNIQUE ENTITY  
IDENTIFIER

### 9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees	
		(1) FIRM	(2) BRANCH
02	Administrative	161	1
05	Archaeologist/Historians	27	
06	Architects	2	
08	CADD Technicians	47	
12	Civil Engineers	35	
15	Construction Inspectors	429	21
16	Construction Managers/Engineers	134	5
21	Electrical Engineers	7	
23	Environmental Engineers	48	
24	Environmental Scientists/Designers	47	
29	GIS	11	
27	Geologists/Soils Engineers	25	
32	Hydraulic/Water Res Engineers	100	
38	Land Surveyors	16	
39	Landscape Architects	5	
42	Mechanical Engineers	6	
47	Planners: Urban/Regional	34	
52	Sanitary Engineers	5	
57	Structural Engineers	62	
58	Designers/Technician Support Staff	23	
60	Transportation Engineers	201	1
	Traffic Engineers	85	
	Utility Engineers/Corrosion	42	
	IT/Graphics/Public Involvement	28	
<b>Total</b>		<b>1580</b>	<b>28</b>

### 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)
A01	Acoustics, Noise Abatement	5
B02	Bridges	8
C15	Construction Management	9
D01	Dams	5
E09	Environmental Impact Studies	7
G02	Gas Systems (Propane, Natural, Etc.)	5
H01	Harbors, Piers, Terminals	5
H07	Highways, Streets, Airfield Paving	8
P04	Pipelines	5
P06	Planning (Site, Installation and Project)	7
R03	Railroad, Rapid Transit	7
R11	Rivers, Canals, Waterways, Flood Control	6
S04	Sewage Collection, Treatment & Disposal	8
S05	Soils & Geologic Studies, Foundations	5
S09	Structural Design, Special Structures	8
S10	Surveying, Platting, Mapping, Flood...	5
S13	Stormwater Handling & Facilities	7
T02	Testing & Inspection Services	8
T03	Traffic & Transportation Engineering	8
U03	Utilities (Gas & Steam)	5
W02	Water Resources, Hydrology, Ground...	7
W03	Water Supply, Treatment & Distribution	8
H03	Hazardous Waste Remediation	5
	Wetlands	6

### 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	10
c. Total Work	10

### PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

### 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. Signature

b. Date

January 9, 2024

c. NAME AND TITLE

Enrique J. Tamayo, PE | Director







**VENDOR INFORMATION FORM**

<b>MAIN CONTACT INFORMATION</b>			
<b>Company Name (Legal Name as filed with IRS)</b>	CTS Engineering, Inc.		
<b>Doing Business As (DBA)</b>			
<b>Primary Business Address</b>	3230 West Commercial Blvd, Suite 220		
	<b>City:</b>	Fort Lauderdale	
	<b>State:</b>	FL	<b>Zip:</b> 33309
	<b>Country:</b>	U.S.	
<b>Remit To Address</b>	3230 West Commercial Blvd, Suite 220		
	<b>City:</b>	Fort Lauderdale	
	<b>State:</b>	FL	<b>Zip:</b> 33309
	<b>Country:</b>	U.S.	
<b>Order From Address</b>	3230 West Commercial Blvd, Suite 220		
	<b>City:</b>	Fort Lauderdale	
	<b>State:</b>	FL	<b>Zip:</b> 33309
	<b>Country:</b>	U.S.	
<b>Foreign Entity (Yes/No)</b>	No		
<b>Telephone Number</b>	(954) 637-1600		
<b>Primary Company E-mail</b>	syang@ctseinc.com		
<b>Fax</b>	(954) 908-3814		
<b>Website</b>	www.ctseinc.com		
<b>DUNS</b>	036847121		
<b>Independent Contractor (Yes/No)</b>	No		
<b>Identification Number</b>	<b>SSN:</b>		<b>FID:</b> 27-1089334

<b>GENERAL PAYMENT TERMS</b>		
<b>Discount Percent</b> Defines the discount percentage the vendor extends to your organization.	<b>Days to Discount</b> Number of days which payment must be received to claim the discount percent.	<b>Days to Net</b> Number of days that the vendor allows before requiring net payment.
<b>0</b>	<b>0</b>	<b>30</b>

<b>CONTACT INFORMATION</b>			
<b>Contact Name (First &amp; Last Name)</b>	Sheng Yang, P.E., PTOE		
<b>Description/Title/Position</b>	President		
<b>Phone (Voice)</b>	(305) 890-7198		
<b>Phone (Text)</b>	(305) 890-7198	<b>Opt In (Y/N):</b>	N
<b>Fax</b>	(954) 908-3814		
<b>E-mail</b>	syang@ctseinc.com		

# Request for Taxpayer Identification Number and Certification

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

▶ Go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9) for instructions and the latest information.

Print or type.  
See Specific Instructions on page 3.

<b>1</b> Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. <b>Sheng Yang</b>	
<b>2</b> Business name/disregarded entity name, if different from above <b>CTS Engineering, Inc.</b>	
<b>3</b> Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only <b>one</b> of the following seven boxes.  <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> C Corporation <input checked="" type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate  <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____ <small><b>Note:</b> Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is <b>not</b> disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.</small>  <input type="checkbox"/> Other (see instructions) ▶ _____	<b>4</b> Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):  Exempt payee code (if any) _____  Exemption from FATCA reporting code (if any) _____  <small>(Applies to accounts maintained outside the U.S.)</small>
<b>5</b> Address (number, street, and apt. or suite no.) See instructions. <b>8095 NW 12th Street, Suite 315</b>	Requester's name and address (optional)
<b>6</b> City, state, and ZIP code <b>Doral, FL 33126</b>	
<b>7</b> List account number(s) here (optional)	

## Part I Taxpayer Identification Number (TIN)

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

<b>Social security number</b>									
<b>or</b>									
<b>Employer identification number</b>									
2	7	-	1	0	8	9	3	3	4

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

## Part II Certification

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

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

**Sign Here**

Signature of U.S. person ▶

Date ▶ 02/05/2024

## General Instructions

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

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

### Purpose of Form

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

- Form 1099-INT (interest earned or paid)

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

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

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



**COMPANY PROFILE FORM**

Please provide the following information so that the City could better get to know your company's background.

<b>MAIN CONTACT INFORMATION</b>			
<b>Company Name (Legal Name as filed with IRS)</b>	CTS Engineering, Inc.		
<b>Doing Business As (DBA)</b>			
<b>Primary Business Address</b>	3230 West Commercial Blvd, Suite 220		
	<b>City:</b>	Fort Lauderdale	
	<b>State:</b>	FL	<b>Zip:</b> 33309
	<b>Country:</b>	U.S.	

<b>Organization Background</b>	
<b>Please state the year that your company started its business</b>	2009
<b>Please state the year that your company started providing service under your current business name</b>	2010
<b>What State is your Company Registered In?</b>	FL

<b>Professional License Information</b>		
<b>License Type</b>	<b>License Number</b>	<b>Expiration</b>
Engineering Business Registry	28935	February 28, 2025

*Please list any applicable professional licenses required to perform the services your company offers.*

<b>Please Provide a Summary of your Company and What Services you provide</b>
<p>Whether we're conducting studies to improve road user safety or leading a traffic calming and complete streets project, CTS is deeply invested in transforming the transportation landscape of the region through research, planning, design, and implementation. Our goal is to guarantee creative, comprehensive, and cost-effective solutions to the community, while working diligently to meet our client's needs. Now in 6 locations across the state of Florida, CTS is made up of a talented, interconnected group of professionals that want to generate positive change in the industry. CTS provides an array of services to its clients, including full transportation multimodal design, feasibility studies, traffic engineering, site development, planning, surveying, subsurface utility engineering, geographic information systems, advanced technology support, data collection, statistical analysis, NEPA and PD&amp;E studies, Transportation Demand Management (TDM), multimodal improvements, economic analysis, market analysis, and return-on-investment management.</p>



Founded in the City of Doral 14 years ago and now headquartered in Fort Lauderdale, CTS has successfully assisted South Florida and local partners with traffic, planning, and construction services – engineering and designing better solutions for our communities. As CTS continues to expand, an unwavering mission remains the company’s solid guiding compass: To contribute to a sustainable future that incorporates the priorities of our communities and unites professionals through impactful work. It is our duty to design, study, and maintain environmentally responsible, socially equitable, and economically viable infrastructure. In setting these standards, CTS is determined to contribute to a more sustainable and resilient future for all. We are responsible for creating the bridge between science and our communities. In this role, CTS actively works with the communities served and affected to effectively address the challenges of sustainable and reliable development. Our experts wholeheartedly believe it’s a mission CTS can accomplish, and together, we can work towards creating this future today.



**SWORN STATEMENT  
ON PUBLIC ENTITY CRIMES  
UNDER FLORIDA STATUTES CHAPTER 287.133(3)(a).**

1. This sworn statement is submitted CTS Engineering, Inc.  
(name of entity submitting sworn statement) whose business address is  
3230 West Commercial Blvd, Suite 220, Ft Lauderdale, FL 33309  
and (if applicable) its Federal Employer Identification Number (FEIN) is  
27-1089334. (If the entity has no FEIN, include the Social Security  
Number of the individual signing this sworn statement: N/A.)
  
2. My name is Sheng Yang, P.E., PTOE and my  
(Please print name of individual signing)  
relationship to the entity named above is President.
  
3. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
  
4. I understand that a "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
  
5. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
  1. A predecessor or successor of a person convicted of a public entity crime: or
  2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The Cityship by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a





joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

- 6. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or any entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.
- 7. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. **(Please indicate which statement applies.)**


A) Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

B) The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND **(Please indicate which additional statement applies.)**

B1) There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. **(Please attach a copy of the final order.)**

B2) The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. **(Please attach a copy of the final order.)**

B3) The person or affiliate has not been placed on the convicted vendor list. **(Please describe any action taken by or pending with the Department of General Services.)**

  
Sheng Yang, P.E., PTOE - President  
Bidder's Name/Signature

CTS Engineering, Inc.  
Company

2/27/2024  
Date



## **EQUAL BENEFITS CERTIFICATION FORM FOR DOMESTIC PARTNERS AND ALL MARRIED COUPLES**

Except where federal or state law mandates to the contrary, a Contractor awarded a Contract pursuant to a competitive solicitation shall provide benefits to Domestic Partners and spouses of its employees, irrespective of gender, on the same basis as it provides benefits to employees' spouses in traditional marriages.

The Contractor shall provide the City and/or the City Manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the Contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the City Manager has received a complaint or has reason to believe the Contractor may not be in compliance with the provisions of this section. Records shall include but not be limited to providing the City and/or the City Manager or his/her designee with certified copies of the Contractor's records pertaining to its benefits policies and its employment policies and practices.

The Contractor must conspicuously make available to all employees and applicants for employment the following statement:

**“During the performance of a contract with the City of Pembroke Pines, Florida, the Contractor will provide Equal Benefits to its employees with spouses, as defined by Section 35.39 of the City’s Code of Ordinances, and its employees with Domestic Partners and all Married Couples”.**

The posted statement must also include a City contact telephone number and email address which will be provided to each contractor when a covered contract is executed.

### **SECTION 1 DEFINITIONS**

- 1. Benefits** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package which may include but is not limited to sick leave, bereavement leave, family medical leave, and health benefits.
- 2. Cash Equivalent** mean the amount of money paid to an employee with a domestic partner or spouse in lieu of providing benefits to the employee's domestic partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse from a traditional marriage.
- 3. Covered Contract** means a contract between the City and a contractor awarded subsequent to the date when this section becomes effective valued at over \$25,000 or the threshold amount required for competitive bids as required in section 35.18(A) of the Procurement Code.
- 4. Domestic Partner** shall mean any two (2) adults of the same or different sex who have registered as domestic partners with a governmental body pursuant to state or local law authorizing such registration, or with an internal registry maintained by the employer of at



least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partners who do not register their partnerships pursuant to a governmental body authorizing such registration, or who are located in a jurisdiction where no such governmental domestic partnership registry exists. A contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Pembroke Pines.

5. **Equal benefits** means the equality of benefits between employees with spouses and/or dependents of spouses and employees with domestic partners and/or dependents of domestic partners, and/or between spouses of employees and/or dependents of spouses and domestic partners of employees and/or dependents of domestic partners.
6. **Spouse** means one member of a married pair legally married under the laws of any state within the United States of America or any other jurisdiction under which such marriage is legally recognized, irrespective of gender.
7. **Traditional marriage** means a marriage between one man and one woman.

## SECTION 2 CERTIFICATION OF CONTRACTOR

The firm providing a response, by virtue of the signature below, certifies that it is aware of the requirements of Section 35.39 "City Contractors providing Equal Benefits for Domestic Partners and all Married Couples" of the City's Code of Ordinances, and certifies the following (**Check only one box below**):

- A.** Contractor currently complies with the requirements of this section; or
- B.** Contractor will comply with the conditions of this section at the time of contract award; or
- C.** Contractor will not comply with the conditions of this section at the time of contract award:  
or
- D.** Contractor does not comply with the conditions of this section because of the following allowable exemption (**Check only one box below**):
  - 1.** The Contractor does not provide benefits to employees' spouses in traditional marriages;
  - 2.** The Contractor provides an employee the cash equivalent of benefits because the Contractor is unable to provide benefits to employees' Domestic Partners or spouses despite making reasonable efforts to provide them. To meet this exception, the Contractor shall provide a notarized affidavit that it has made reasonable efforts to provide such benefits. The affidavit shall state the efforts taken to provide such benefits and the amount of the cash equivalent. Cash equivalent means the amount of money paid to an employee with a Domestic Partner or spouse rather than providing benefits to the employee's Domestic Partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee's spouse;



3. The Contractor is a religious organization, association, society, or any non-profit charitable or educational institution or organization operated supervised or controlled by or in conjunction with a religious organization, association, or society;

4. The Contractor is a governmental agency;

**The certification shall be signed by an authorized officer of the Contractor. Failure to provide such certification (by checking the appropriate boxes above along with completing the information below) shall result in a Contractor being deemed non-responsive.**

COMPANY NAME: CTS Engineering, Inc.

AUTHORIZED OFFICER NAME / SIGNATURE: Sheng Yang, P.E., PTOE - President

A handwritten signature in blue ink, appearing to read 'Sheng Yang', written over a horizontal line.



## VENDOR DRUG-FREE WORKPLACE CERTIFICATION FORM

### SECTION 1 GENERAL TERM

Preference may be given to vendors submitting a certification with their bid/proposal certifying they have a drug-free workplace in accordance with Section 287.087, Florida Statutes. This requirement affects all public entities of the State and becomes effective January 1, 1991. The special condition is as follows:

**IDENTICAL TIE BIDS** - Preference may be given to businesses with drug-free workplace programs. Whenever two or more bids that are equal with respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drugfree workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after each conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

### SECTION 2 AFFIRMATION

Place a check mark here only if affirming bidder **complies fully** with the above requirements for a Drug-Free Workplace.

Place a check mark here only if affirming bidder **does not** meet the requirements for a Drug-Free Workplace.

**Failure to complete this certification at this time (by checking either of the boxes above) shall render the vendor ineligible for Drug-Free Workplace Preference. This form must be completed by/for the proposer; the proposer WILL NOT qualify for Drug-Free Workplace Preference based on their sub-contractors' qualifications.**

Authorized Signature

Sheng Yang, P.E., PTOE - President

Authorized Signer Name

CTS Engineering, Inc.

Company Name





**SCRUTINIZED COMPANY CERTIFICATION  
PURSUANT TO FLORIDA STATUTE § 287.135.**

I, Sheng Yang, P.E., PTOE - President, on behalf of CTS Engineering, Inc.,  
Print Name and Title Company Name

certify that CTS Engineering, Inc.:  
Company Name

1. Does not participate in a boycott of Israel; and
2. Is not on the Scrutinized Companies that Boycott Israel list; and
3. Is not on the Scrutinized Companies with Activities in Sudan List; and
4. Is not on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; and
5. Has not engaged in business operations in Syria.

Submitting a false certification shall be deemed a material breach of contract. The City shall provide notice, in writing, to the Contractor of the City’s determination concerning the false certification. The Contractor shall have ninety (90) days following receipt of the notice to respond in writing and demonstrate that the determination of false certification was made in error. If the Contractor does not demonstrate that the City’s determination of false certification was made in error then the City shall have the right to terminate the contract and seek civil remedies pursuant to Florida Statute § 287.135.

Section 287.135, Florida Statutes, prohibits the City from: 1) Contracting with companies for goods or services in any amount if at the time of bidding on, submitting a proposal for, or entering into or renewing a contract if the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Section 215.4725, F.S. or is engaged in a boycott of Israel; and 2) Contracting with companies, for goods or services over \$1,000,000.00 that are on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector list, created pursuant to s. 215.473, or are engaged in business operations in Syria.

As the person authorized to sign on behalf of the Contractor, I hereby certify that the company identified above in the section entitled “Contractor Name” does not participate in any boycott of Israel, is not listed on the Scrutinized Companies that Boycott Israel List, is not listed on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector List, and is not engaged in business operations in Syria. I understand that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject the company to civil penalties, attorney's fees, and/or costs. I further understand that any contract with the City for goods or services may be terminated at the option of the City if the company is found to have submitted a false certification or has been placed on the Scrutinized Companies with Activities in Sudan list or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

<u>CTS Engineering, Inc.</u>	<u>Sheng Yang, P.E., PTOE</u>	<u>President</u>
Company Name	Print Name / Signature	Title



## E-VERIFY SYSTEM CERTIFICATION STATEMENT (UNDER SECTION 448.095, FLORIDA STATUTES)

1. Definitions:
  - a. **“Contractor”** means a person or entity that has entered or is attempting to enter into a contract with a public employer to provide labor, supplies, or services to such employer in exchange for salary, wages, or other remuneration. “Contractor” includes, but is not limited to, a vendor or consultant.
  - b. **“Subcontractor”** means a person or entity that provides labor, supplies, or services to or for a contractor or another subcontractor in exchange for salary, wages, or other remuneration.
  - c. **“E-Verify system”** means an Internet-based system operated by the United States Department of Homeland Security that allows participating employers to electronically verify the employment eligibility of newly hired employees.
2. Effective January 1, 2021, Contractors, shall register with and use the E-verify system in order to verify the work authorization status of all newly hired employees. Contractor shall register for and utilize the U.S. Department of Homeland Security’s E-Verify System to verify the employment eligibility of:
  - a. All persons employed by a Contractor to perform employment duties within Florida during the term of the contract; and
  - b. All persons (including subvendors/subconsultants/subcontractors) assigned by Contractor to perform work pursuant to the contract with the City of Pembroke Pines. The Contractor acknowledges and agrees that registration and 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 with the City of Pembroke Pines; and
  - c. Should vendor become the successful Contractor awarded for the above-named project, by entering into the contract, the Contractor shall comply with the provisions of Section 448.095, Fla. Stat., “Employment Eligibility,” as amended from time to time. This includes, but is not limited to registration and utilization of the E-Verify System to verify the work authorization status of all newly hired employees. Contractor shall also require all subcontractors to provide an affidavit attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. The Contractor shall maintain a copy of such affidavit for the duration of the contract.
3. Contract Termination
  - a. If the City has a good faith belief that a person or entity with which it is contracting has knowingly violated s. 448.09 (1) Fla. Stat., the contract shall be terminated.
  - b. If the City has a good faith belief that a subcontractor knowingly violated s. 448.095 (2), but the Contractor otherwise complied with s. 448.095 (2) Fla. Stat., shall promptly notify the Contractor and order the Contractor to immediately terminate the contract with the subcontractor.
  - c. A contract terminated under subparagraph a) or b) is not a breach of contract and may not be considered as such.
  - d. Any challenge to termination under this provision must be filed in the Circuit Court no later than 20 calendar days after the date of termination.
  - e. If the contract is terminated for a violation of the statute by the Contractor, the Contractor may not be awarded a public contract for a period of 1 year after the date of termination.

COMPANY NAME: CTS Engineering, Inc.

PRINTED NAME / AUTHORIZED SIGNATURE: Sheng Yang, P.E., PTOE - President



## VETERAN OWNED SMALL BUSINESS (VOSB) PREFERENCE CERTIFICATION

### SECTION 1 GENERAL TERM

#### VETERAN OWNED SMALL BUSINESS (VOSB) PREFERENCE

The evaluation of competitive bids is subject to section 35.37 of the City's Procurement Procedures which, except where contrary to federal and state law, or any other funding source requirements, provides that preference be given to veteran owned small businesses. To satisfy this requirement, the vendor shall affirm in writing its compliance with the following objective criteria as of the bid or proposal submission date stated in the solicitation. A veteran owned small business shall be defined as:

1. "Veteran Owned Small Business" shall mean a business entity which has received a "Determination Letter" from the United States Department of Veteran Affairs Center for Verification and Evaluation notifying the business that they have been approved as a Veteran Owned Small Business (VOSB).

A preference of two and a half percent (2.5%) of the total evaluation point, or two and a half percent (2.5%) of the total price, shall be given to the **Veteran Owned Small Business (VOSB)**. This shall mean that if a **VOSB** submits a bid/quote that is within 2.5% of the lowest price submitted by any vendor, the **VOSB** shall have an option to submit another bid which is at least 1% lower than the lowest responsive bid/quote. If the **VOSB** submits a bid which is at least 1% lower than that lowest responsive bid/quote, then the award will go to the **VOSB**. If not, the award will be made to the vendor that submits the lowest responsive bid/quote. If the lowest responsive and responsible bidder IS a "**Local Pembroke Pines Vendor**" (**LPPV**) or a "**Local Broward County Vendor**" (**LBCV**) as established in Section 35.36 of the City's Code of Ordinances, entitled "Local Vendor Preference", then the award will be made to that vendor and no other bidders will be given an opportunity to submit additional bids as described herein.

If there is a **LPPV**, a **LBCV**, and a **VOSB** participating in the same bid solicitation and all three vendors qualify to submit a second bid, the **LPPV** will be given first option. If the **LPPV** cannot beat the lowest bid received by at least 1%, an opportunity will be given to the **LBCV**. If the **LBCV** cannot beat the lowest bid by at least 1%, an opportunity will be given to the **VOSB**. If the **VOSB** cannot beat the lowest bid by at least 1%, then the bid will be awarded to the lowest bidder.

If multiple **VOSBs** submit bids/quotes which are within 2.5% of the lowest bid/quote and there are no **LPPV** or **LBCV** as described in Section 35.36 of the City's Code of Ordinance, entitled "Local Vendor Preference", then all **VOSBs** will be asked to submit a **Best and Final Offer (BAFO)**. The award will be made to the **VOSB** submitting the lowest **BAFO** providing that that **BAFO** is at least 1% lower than the lowest bid/quote received in the original solicitation. If no **VOSB** can beat the lowest bid/quote by at least 1%, then the award will be made to the lowest responsive bidder.

#### COMPARISON OF QUALIFICATIONS

The preferences established in no way prohibit the right of the City to compare quality of supplies or services for purchase and to compare qualifications, character, responsibility and fitness of all persons, firms or corporations submitting bids or proposals. Further, the preference established in no way prohibit the right of the city from giving any other preference permitted by law instead of the preferences granted, nor prohibit the city to select the bid or proposal which is the most responsible and in the best interests of the city.

### SECTION 2 AFFIRMATION

#### VETERAN OWNED SMALL BUSINESS (VOSB) PREFERENCE CERTIFICATION:

- Place a check mark here only if affirming bidder meets requirements above as a Veteran Owned Small Business. In addition, the bidder must attach the "Determination Letter" from the U.S. Dept. of Veteran Affairs Center.
- Place a check mark here only if affirming bidder does not meet the requirements above as a VOSB.

**Failure to complete this certification at this time (by checking either of the boxes above) shall render the vendor ineligible for VOSB Preference. This form must be completed by/for the proposer; the proposer WILL NOT qualify for VOSB Preference based on their sub-contractors' qualifications.**

COMPANY NAME: CTS Engineering, Inc.

PRINTED NAME / AUTHORIZED SIGNATURE: Sheng Yang, P.E., PTOE - President

**CERTIFICATION REGARDING LOBBYING;  
DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS  
FOR EXPENDITURE OF FEDERAL FUNDS**

**LOBBYING**

As required by 7 CFR Part 3018, for persons entering into a contract, grant or cooperative agreement over **\$100,000** involving the expenditure of Federal funds, the undersigned certifies for itself and its principals that:

- (a) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement;
- (b) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress or an employee of a Member of Congress, in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit **Standard Form - LLL, "Disclosure Form to Report Lobbying,"** in accordance with its instructions; and
- (c) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The undersigned Contractor, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. Chap. 38, Administrative Remedies for False Claims and Statements, apply to this certification and disclosure, if any.

  
\_\_\_\_\_  
Signature of Contractor's Authorized Official  
  
CTS Engineering, Inc.  
\_\_\_\_\_  
Contractor / Name of Company

Sam Yang, P.E., PTOE - President  
\_\_\_\_\_  
Printed Name and Title of Contractor's Authorized Official  
  
2/27/2024  
\_\_\_\_\_  
Date

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**DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS**

As required by 7 CFR Part 3017, for persons entering into a contract, grant or cooperative agreement over **\$25,000** involving the expenditure of Federal funds, the undersigned certifies for itself and its principals that:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three-year period preceding this application been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a Government entity (Federal, State, or local) with commission of any offenses enumerated in paragraph (b) of this certification; and
- (d) Have not within a three-year period preceding this application had one or more public transaction (Federal, State, or local) terminated for cause or default; and

Where the applicant is unable to certify to any of the statements in this certification, he or she shall attach an explanation to this application.

  
\_\_\_\_\_  
Signature of Contractor's Authorized Official  
  
CTS Engineering, Inc.  
\_\_\_\_\_  
Contractor / Name of Company

Sam Yang, P.E., PTOE - President  
\_\_\_\_\_  
Printed Name and Title of Contractor's Authorized Official  
  
2/27/2024  
\_\_\_\_\_  
Date





## **INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES**

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.
2. Identify the status of the covered Federal action.
3. Identify the appropriate classification of this report. If this is a followup report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, State and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filing the report in item 4 checks "Subawardee," then enter the full name, address, city, State and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, State and zip code of the lobbying registrant under the Lobbying Disclosure Act of 1995 engaged by the reporting entity identified in item 4 to influence the covered Federal action.  
  
(b) Enter the full names of the individual(s) performing services, and include full address if different from 10 (a). Enter Last Name, First Name, and Middle Initial (MI).
11. The certifying official shall sign and date the form, print his/her name, title, and telephone number

# *State of Florida*

## *Department of State*

I certify from the records of this office that CTS ENGINEERING, INC. is a corporation organized under the laws of the State of Florida, filed on October 8, 2009.

The document number of this corporation is P09000083589.

I further certify that said corporation has paid all fees due this office through December 31, 2024, that its most recent annual report/uniform business report was filed on January 4, 2024, and that its status is active.

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

*Given under my hand and the  
Great Seal of the State of Florida  
at Tallahassee, the Capital, this  
the Fourth day of January, 2024*



  
*Secretary of State*

Tracking Number: 9431653658CC

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

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

# Florida UCP DBE Directory

Number of Records Returned: 1

**Selection Criteria:**

Vendor : CTS ENGINEERING INC

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Vendor Name: [CTS ENGINEERING INC](#)

DBE Certification: **CERTIFIED**

MBE Certification: Certified

DBA:

Former Name:

Business Description: TRANSPORTATION PLANNING/TRAFFIC ENGINEERING/AND TRAFFIC DATA COLLECTION

Mailing AddressJ: 8095 NW 12TH ST STE 315  
DORAL, FL 33126-

Contact Name: SHENG YANG

Phone: (305) 599-8698

Fax: (305) 599-8692

Email: [SYANG@CTSEINC.COM](mailto:SYANG@CTSEINC.COM)

ACDBE Status: N

Statewide Availability: N

**Certified NAICS**

541330 Engineering Services

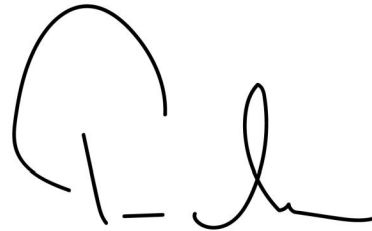
541690 Other Scientific and Technical Consulting Services

# State of Florida

## Minority Business Certification

CTS Engineering, Inc

Is certified under the provisions of  
287 and 295.187, Florida Statutes, for a period from:  
June 10, 2022 to June 10, 2024



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J. Todd Inman  
Florida Department of Management Services

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



Department of Business & Professional Regulation

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## LICENSEE DETAILS

11:42:56 AM 7/26/2023

### Licensee Information

Name:	<b>CTS ENGINEERING, INC. (Primary Name)</b>
Main Address:	<b>3230 W COMMERCIAL BLVD SUITE 220 FORT LAUDERDALE Florida 33309</b>
County:	<b>BROWARD</b>

### License Information

License Type:	<b>Engineering Business Registry</b>
Rank:	<b>Registry</b>
License Number:	<b>28935</b>
Status:	<b>Current</b>
Licensure Date:	<b>12/28/2009</b>
Expires:	

### Special Qualifications

### Qualification Effective

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### Alternate Names

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2601 Blair Stone Road, Tallahassee FL 32399 :: Email: [Customer Contact Center](#) :: Customer Contact Center: 850.487.1395

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Under Florida law, email addresses are public records. If you do not want your email address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. \*Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. Please see our [Chapter 455](#) page to determine if you are affected by this change.



**RE: RFQ No. PSPW-23-20: Continuing Services for Citywide Professional Architectural, Engineering, Surveying and Mapping**

To whom it may concern:

**CTS Engineering, Inc. (CTS)** is pleased to submit a response to the Request for Qualifications for the City of Pembroke Pines Continuing Services for Citywide Professional Architectural, Engineering, Surveying and Mapping contract. We offer a profoundly qualified group of civil, transportation, architectural, landscape, and infrastructure specialists that can provide direct and excellent professional services to the City of Pembroke Pines (City). CTS Engineering provides practical solutions, timely responses, and high-quality products in compliance with local, state, and federal guidelines, while being mindful of public perceptions and expectations.

Whether conducting studies to improve road user safety or leading a traffic calming and complete streets project, CTS is deeply invested in transforming the infrastructure of the region through research, planning, design, and implementation. **Our goal is to guarantee creative, comprehensive, and cost-effective solutions to the community, while working diligently to meet our client's needs.** Now in six locations across the state of Florida, CTS is made up of a talented, interconnected group of professionals that want to generate positive change in the industry.

As CTS continues to expand, an unwavering mission remains the company's solid guiding compass: **To contribute to a sustainable future that incorporates the priorities of our communities and unites professionals through impactful work.**

It is our duty to design environmentally responsible, socially equitable, and economically viable infrastructure. In setting these standards, CTS is determined to contribute to a more sustainable and resilient future for all. We are responsible for creating the bridge between science and our communities. In this role, CTS actively works with the communities served and affected to effectively address the challenges of sustainable development. Our experts wholeheartedly believe it is a mission CTS can accomplish and together, we can work toward creating this future today.

CTS is headquartered in Fort Lauderdale and has successfully assisted local partners with traffic, planning, and construction services – engineering better solutions for our communities. We have managed similar contracts, with over 100 on-call engineering service projects completed with superior performance in the disciplines of traffic engineering, design, and construction.

**Services included contracts for:**

- City of Fort Lauderdale
- City of Weston
- City of Pembroke Pines
- Town of Davie
- City of Miramar
- City of Sunrise
- Broward MPO (BMPO)
- Broward County Public Works
- Broward County Transit
- FDOT District 4
- South Florida Regional Transportation Authority (SFRTA)
- South Florida Water Management District (SFWMD)

At CTS, we pride ourselves in providing the highest level of quality service to our clients, effectively delivering full engineering services that result in innovative and practical infrastructure solutions. We can offer experts with a successful performance history, ready to assist the City of Pembroke Pines with local overlapping skillsets, availability, and no learning curve. CTS is extremely committed to serving the City and is prepared to meet the challenges of this contract.

**Sheng Yang, P.E., PTOE**

President, CTS Engineering, Inc.



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

02/23/2024

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).

<b>PRODUCER</b> Iron Ridge Insurance 17595 S Tamiami Trail #107 Fort Myers FL 33908		<b>CONTACT NAME:</b> Karen Brinkley <b>PHONE (A/C, No, Ext):</b> (800) 775-8526 <b>E-MAIL ADDRESS:</b> kbrinkley@ironridgeus.com		<b>FAX (A/C, No):</b> (239) 288-7544	
<b>INSURED</b> CTS Engineering, Inc 3230 West Commercial Blvd Suite 220 Fort Lauderdale FL 33309		<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>	
		<b>INSURER A:</b> Hartford Casualty Ins Co		29424	
		<b>INSURER B:</b> Hartford Accident and Indemnity Company		22357	
		<b>INSURER C:</b> Travelers Casualty & Surety Company		19038	
		<b>INSURER D:</b> Travelers Casualty and Surety Company of America		31194	
		<b>INSURER E:</b>			
		<b>INSURER F:</b>			

**COVERAGES**

CERTIFICATE NUMBER: CL23113010380

REVISION NUMBER:


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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR	Y	Y	21 SBM ZG1786	05/27/2023	05/27/2024	EACH OCCURRENCE	\$ 1,000,000
	<input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
	OTHER:						MED EXP (Any one person)	\$ 10,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PERSONAL & ADV INJURY	\$ 1,000,000
B	<input checked="" type="checkbox"/> <b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			21 UEC DL9819	05/27/2023	05/27/2024	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
A	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> EXCESS LIAB	Y	Y	21 SBM ZG1786	05/27/2023	05/27/2024	EACH OCCURRENCE	\$ 2,000,000
	<input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE						AGGREGATE	\$ 2,000,000
	DED <input checked="" type="checkbox"/> RETENTION \$ 10,000							\$
C	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		UB-5T446872-23	05/27/2023	05/27/2024	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER	
	Y/N <input type="checkbox"/>						E.L. EACH ACCIDENT	\$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
D	Professional Liability			106840958	12/07/2023	12/07/2024	Per Claim	\$2,000,000
							Aggregate	\$2,000,000

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

Certificate holder is additional insured (on a primary and non-contributory basis) with a waiver of subrogation in their favor on the general liability policy where required by written contract. Certificate holder is additional insured on the umbrella liability policy where required by written contract. 30-day notice of cancellation to the certificate holder (10-day notice for non-payment of premium).

**CERTIFICATE HOLDER****CANCELLATION**

The City of Pembroke Pines 601 City Center Way  Pembroke Pines FL 33025	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 

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# *State of Florida*

## *Department of State*

I certify from the records of this office that CTS ENGINEERING, INC. is a corporation organized under the laws of the State of Florida, filed on October 8, 2009.


The document number of this corporation is P09000083589.

I further certify that said corporation has paid all fees due this office through December 31, 2024, that its most recent annual report/uniform business report was filed on January 4, 2024, and that its status is active.

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

*Given under my hand and the  
Great Seal of the State of Florida  
at Tallahassee, the Capital, this  
the Fourth day of January, 2024*



  
Secretary of State

Tracking Number: 9431653658CC

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



Department of Business & Professional Regulation

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## LICENSEE DETAILS

11:42:56 AM 7/26/2023

### Licensee Information

Name:	<b>CTS ENGINEERING, INC. (Primary Name)</b>
Main Address:	<b>3230 W COMMERCIAL BLVD SUITE 220 FORT LAUDERDALE Florida 33309</b>
County:	<b>BROWARD</b>

### License Information

License Type:	<b>Engineering Business Registry</b>
Rank:	<b>Registry</b>
License Number:	<b>28935</b>
Status:	<b>Current</b>
Licensure Date:	<b>12/28/2009</b>
Expires:	

### Special Qualifications

### Qualification Effective

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### Alternate Names

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2601 Blair Stone Road, Tallahassee FL 32399 :: Email: [Customer Contact Center](#) :: Customer Contact Center: 850.487.1395

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Under Florida law, email addresses are public records. If you do not want your email address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. \*Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. Please see our [Chapter 455](#) page to determine if you are affected by this change.

# Florida UCP DBE Directory

Number of Records Returned: 1

**Selection Criteria:**

Vendor : CTS ENGINEERING INC

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Vendor Name: [CTS ENGINEERING INC](#)

DBE Certification: **CERTIFIED**

MBE Certification: Certified

DBA: Former Name:

Business Description: TRANSPORTATION PLANNING/TRAFFIC ENGINEERING/AND TRAFFIC DATA COLLECTION

Mailing AddressJ: 8095 NW 12TH ST STE 315  
DORAL, FL 33126-

Contact Name: SHENG YANG

Phone: (305) 599-8698

Fax: (305) 599-8692

Email: [SYANG@CTSEINC.COM](mailto:SYANG@CTSEINC.COM)

ACDBE Status: N

Statewide Availability: N

**Certified NAICS**

541330 Engineering Services

541690 Other Scientific and Technical Consulting Services



# State of Florida

## Minority Business Certification

CTS Engineering, Inc

Is certified under the provisions of  
287 and 295.187, Florida Statutes, for a period from:  
June 10, 2022 to June 10, 2024



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J. Todd Inman  
Florida Department of Management Services





*Florida Department of Transportation*

RON DESANTIS  
GOVERNOR

JARED W. PERDUE, P.E.  
SECRETARY

May 20, 2023

Sheng Yang, President  
CTS ENGINEERING, INC.  
3230 West Commercial Boulevard, Suite 220  
Fort Lauderdale, Florida 33309

Dear Mr. Yang:

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

Group 2 - Project Development and Environmental (PD&E) Studies

Group 3 - Highway Design - Roadway

- 3.1 - Minor Highway Design
- 3.2 - Major Highway Design
- 3.3 - Controlled Access Highway Design

Group 6 - Traffic Engineering and Operations Studies

- 6.1 - Traffic Engineering Studies
- 6.2 - Traffic Signal Timing

Group 7 - Traffic Operations Design

- 7.1 - Signing, Pavement Marking and Channelization
- 7.2 - Lighting
- 7.3 - Signalization

Group 8 - Survey and Mapping

- 8.1 - Control Surveying
- 8.2 - Design, Right of Way & Construction Surveying
- 8.3 - Photogrammetric Mapping
- 8.4 - Right of Way Mapping

Group 13 - Planning

- 13.3 - Policy Planning
- 13.4 - Systems Planning
- 13.5 - Subarea/Corridor Planning
- 13.6 - Land Planning/Engineering
- 13.7 - Transportation Statistics

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2024, for contracting purposes.

Approved Rates

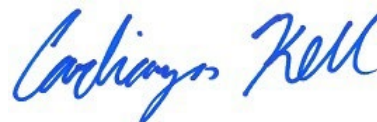
Home/ Branch Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense
181.49%*	0.632%	Reimbursed	No	34.49%

\*For multi-year contracts, DOT has adjusted the overhead rates to mitigate the adverse impacts of Payroll Protection Program loan forgiveness. For information on the adjusted overhead rates, contact the district Procurement Office.

**Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.**

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

Sincerely,



Carliayn Kell  
Professional Services  
Qualification Administrator

Title CTS Engineering, Inc.

Audit Expiration 6/30/2024

Home OH: 0-12 months 181.49%

Home OH: 13-24 months 193.05%

Home OH: 25-36 months 196.90%

Home OH: 37-48 months 198.82%

Home OH: 49-60 months 199.98%

Field OH: 0-12 months

Field OH: 13-24 months

Field OH: 25-36 months

Field OH: 37-48 months

Field OH: 49-60 months

Current FCCM 0.632%

Current Home DE 34.49%

Current Field DE

Version: 1.0

Created at 5/9/2023 12:29 PM by  Owens, Jeffrey

Last modified at 5/9/2023 12:29 PM by  Owens, Jeffrey

Close