



CITY OF POMPANO BEACH

Continuing Contract For Professional Structural Engineering Services - CCNA

December 29, 2025

RLI 26-006

Contact:

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EAC
EAC Consulting, Inc.

Title Page

Request for Letter Of Interest RLI 26-006
Continuing Contract for Professional Structural Engineering Services - CCNA



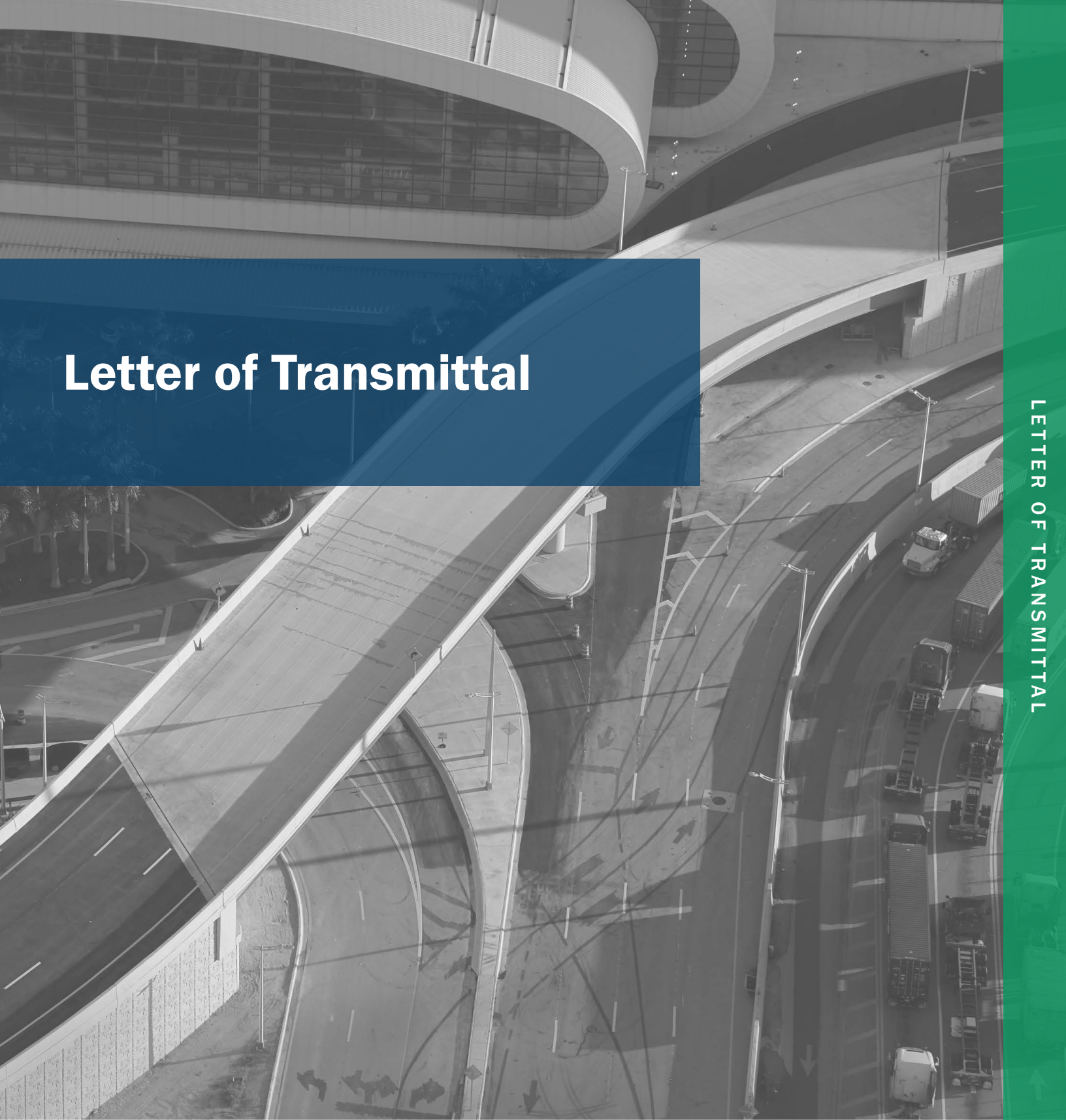
Proposer's Name:
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Date of Submittal:
December 29, 2025

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Letter of Transmittal

LETTER OF TRANSMITTAL



EAC Consulting, Inc.
eacconsult.com

RLI 26-006



December 29, 2025

City of Pompano Beach
Office of Procurement
1010 NE 3 Avenue
Pompano Beach, FL 33060

Re: Request for Letter of Transmittal RLI 26-006 Continuing Contract for Professional Structural Engineering Services - CCNA

Dear Selection Committee Members:

EAC Consulting, Inc. (EAC), a State of Florida Minority Business Enterprise (MBE) firm, is excited at the opportunity to submit our qualifications package in response to the referenced RLI 26-006 Continuing Contract for Professional Structural Engineering Services (CCNA).

The EAC Team has carefully read the requirements of the RFQ and has a full understanding of the scope of services as well as the goals of the City. We are fully committed to working with the City of Pompano Beach to achieve its goals and objectives through the timely completion of high-quality work. EAC has performed design services similar to this RFQ on over 40 continuing contracts for municipal, county, and state agency clients. Our firm is best qualified to perform these services due to our experience performing similar services, awareness of the project scope, and the comprised team of experts that are currently employed by EAC or our team of subconsultants, experienced in their assigned roles and areas of responsibilities.

The following is the authorized representatives for EAC:

Authorized Representatives			
Name / Title / Role on Contract	Address	Email	Telephone
Kuo "K.T." Lin, PhD, PE Senior Vice President Role on this Contract: Principal-In-Charge	5100 NW 33 Avenue, Suite 243 Fort Lauderdale, FL 33309	klin@eacconsult.com	305-265-5412

ABOUT EAC

EAC is a full service multi-disciplined engineering firm that has been in business for over thirty (30) years, providing governmental agencies with engineering consulting services to implement their infrastructure improvements throughout South Florida. EAC offers four distinct lines of services: Transportation Engineering (Highway, Bridges & Technology Systems), Civil Engineering (General Civil, Water & Wastewater, & Stormwater), Program Management, Construction Management. This makes us uniquely qualified to adequately handle the disciplines selected for this RFP contract as well as any other incidental services that may arise. Please visit our website at www.eacconsult.com. Within these four major lines of service, we also provide clients with our expertise and experience in planning, studies, assessments, design criteria, design-build package development, engineering design, construction documents, construction administration, peer reviews, expert witness and inspections.

Sincerely,

EAC Consulting, Inc.

K.T. Lin, PhD, PE

31 Years in
Business

32 Professional
Engineers

82 Employees
Total

5 Florida Offices

State of Florida

Minority Business Certification

EAC Consulting Inc.

Is certified under the provisions of
287 and 295.187, Florida Statutes, for a period from:
10/23/2025 to 10/23/2027



Pedro Allende
Florida Department of Management Services



Office of Supplier Development
4050 Esplanade Way, Suite 380
Tallahassee, Florida 32399
850-487-0915
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Technical Approach

TECHNICAL APPROACH



EAC Consulting, Inc.
eacconsult.com

RLI 26-006

TECHNICAL APPROACH

EAC has thorough experience and understanding of the Scope of Services involved in this Structural Engineering Services Contract. The EAC Team understands the needs of the City of Pompano Beach and CRA and is ready to assist with implementing the City's Capital Improvement Plan. Our Team will serve as an extension of the City's staff and will "tailor-fit" our services to the City's needs. EAC's project implementation strategy to perform the requisite services and tasks is predicated on an approach and methodology that demonstrates our complete understanding of the needs of the project assignments/tasks, a streamlined technical approach, a complete project management plan, and our knowledge and familiarity with project issues and/or permitting requirements. These factors are fundamental towards ensuring that each project will be implemented successfully.

Project Management Approach

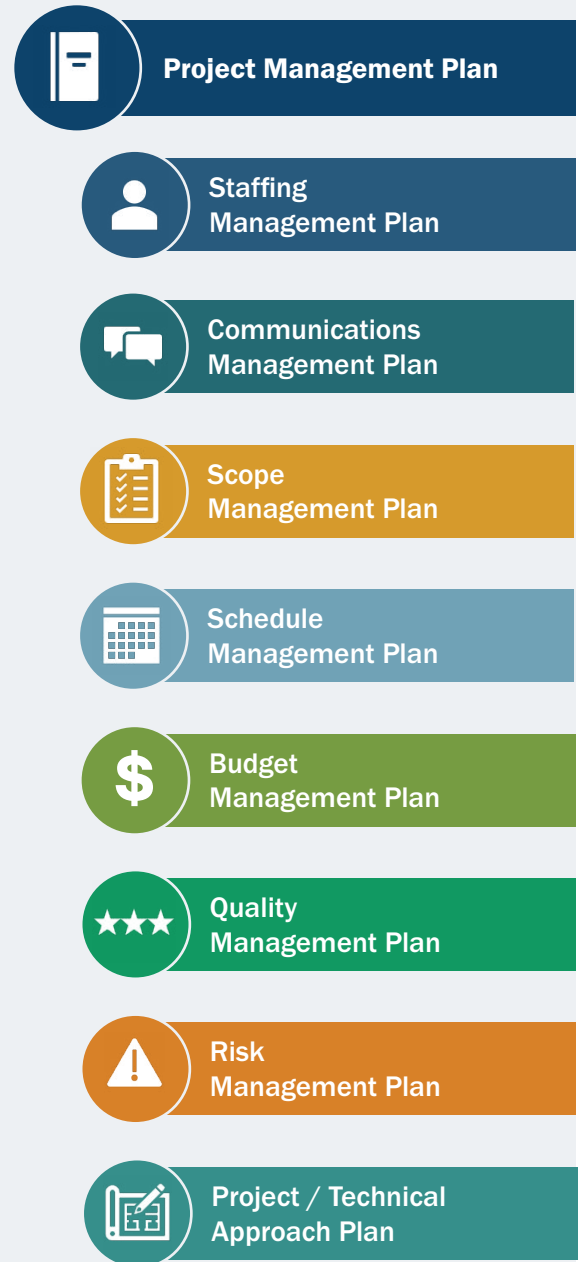
One of EAC's key strengths is its ability to implement infrastructure projects in a manner that is efficient, timely, and cost effective. EAC recognizes that often-times, the city may be challenged in its efforts to implement infrastructure in a manner that meets its established schedule and within its budget. EAC has the ability, as evidenced by our track-record, to find innovative solutions to meet the City's time and budget constraints. EAC's technical methods - with respect to project delivery - are predicated on an approach and methodology that demonstrates our complete understanding of the needs of the project. This includes how the project needs to be managed, and our knowledge and familiarity with the project's issues and requirements.

The initial step to meet time and budget constraints involves developing a project-specific Project Management Plan for all projects. This comprehensive plan includes several sub-plans such as a schedule management plan and a budget management plan, along with other critical sub-plans. We have successfully utilized Project Management Plans previously on projects for the city and other similar clients. This document will provide comprehensive information on all the critical elements of the project and will guide the project from inception to close-out.

The following is a summary of the key management plans that, at a minimum, must be developed for each project. These management plans are the methods, or benchmarking systems, that EAC uses to ensure quality service, customer satisfaction, prompt complaint resolution, quality control, and timely initiation and completion of all work. When combined, they form the basis of our Project Management Plan, shown to the right.

The Project Management Plan is focused on establishing procedures for planning, executing, monitoring and controlling, and closing out the project during its established phases. Planning defines measurable objectives and sets a course based on the most effective and efficient means of attaining those objectives. Planning combines all aspects of the project and integrates their approach to avoid conflicts and derive maximum benefits. This is a continuous iterative process, involving periodic updates and revisions to the Project Management Plan as the project progresses and information becomes available. Feng Liu, PE is our assigned Project Manager and will be responsible for developing and updating the Project Management Plan from project commencement through close-out. The specifics of these sub-management plans are thoroughly detailed in the following sections.

Project Management Approach Components





1. Staffing Management Plan

EAC's proposed staffing plan and organization for this contract was based on our review of the City's RLI, and our familiarity with the City of Pompano Beach. EAC has served as a Prime consultant for the city, having previously provided services to the city.

Based on our assessments of the project's scope and needs, EAC will set about identifying its key staff members best suited to lead the contract's various prospective assignments. Each key staff member's qualifications, experience, and performance was evaluated closely, as well as current and future workload to ensure availability to respond on an as-needed basis to any City request. We have also aligned staff members that have successfully worked together on previous assignments. The selection of subconsultants that have previously worked well together was also a key consideration in our team composition.

Team leadership is an extremely important element of the project, and staff were carefully reviewed to ensure that the project team leaders were not only experienced in the type of professional services required by the contract, but also familiar with the City of Pompano Beach area and the local jurisdictions that will be involved in the execution and implementation of projects. The EAC Team also placed emphasis on selecting team leadership with demonstrated experience in all phases of project delivery.

Our staffing (resources) plan ensures that the City's goals through this RLI contract are achievable. We are confident that if given the opportunity to serve the City of Pompano Beach, the performance of our professional staff will exceed the City's expectations.



2. Communications Management Plan

Good communication results in successful projects. Throughout the duration of the RLI contract, we will maintain a proactive management philosophy, whereby our project manager will ensure that we communicate clearly with the City and maintain strict coordination within our team. The EAC Team recognizes the importance of coordination and communication during the contract. Project communications will include internal communications with our project team; City staff and department leaders; as well as communication with permitting and jurisdictional agencies.

Our successful experience on past projects is predicated on efficient teamwork. Efficient teamwork can only be achieved through communication. EAC's project manager is responsible for fostering and upholding excellent open communication lines throughout the succession of assigned projects.

It is the EAC Team's policy that all internal and external meetings, coordination meetings, and pertinent telephone conversations be concisely documented in written form and distributed to the team members, attendees, and appropriate City staff.

Team Relations

- a. Coordination with the City of Pompano Beach** - It is of utmost importance that our team provides the City of Pompano Beach with quality professional services. The EAC Team's project manager will provide the link between the City and the project team. Our project manager will ensure that a partnership-based relationship is fostered between our team and the city and will work diligently to preserve and maintain this relationship. The partnership-based relationship, and our team's desire to fully align ourselves with the City's objectives, will not only be reflected in the delivered product, but will also be focused on the City's overall experience interacting with the EAC Team.
- b. Coordination with the Community (Residents and Stakeholders)** - Our EAC Team has a vast amount of experience providing public relations and outreach on infrastructure projects. On previous civil infrastructure projects, our Team has been responsible for developing a Public Involvement / Outreach Plan (PIOP) used to keep residents, business owners and other affected parties well informed through the duration of the project, especially during construction where the most impacts are felt.
- c. Coordination with the Project Team** - The EAC Team's Project Manager will require project team members to perform in accordance with existing standards, practices, and procedures. Our Project Manager will create a working environment that allows and encourages team members to take initiatives and be motivated to perform effectively and efficiently. EAC's Team will have in place both an internal and external communications plan - which allows for easy transfer of information, project knowledge, data, and relevant feedback - allowing for proper coordination on all assignments.

Methods of Communicating Information

EAC has established communication procedures for collaboration with others - including the City, our Team, and other stakeholders. Equally important are our methods of communication. We utilize various efficient methods of communications since the best method of communication is often dictated by the following: (1) the type of information to be communicated, (2) the intended recipient or audience, (3) the sensitivity or security requirements of the information, and (4) the quantity of information.

Our Team will utilize the city-provided project management software web-based project management tool (Trimble Unity Construct) to manage all project documents, communications and invoices. EAC is also familiar with Trimble Unity Construct (formerly E-Builder) used for electronic processes such as Task Authorization, Design Review and Dry-Run Permitting.



We will maintain a proactive management philosophy to ensure clear and consistent communication with the City of Pompano Beach.

Communication protocols will be put in place to ensure the overall success of the project and accomplish our management goals. We will make use of electronic transfer of information in order to maintain close communication throughout the project. It will be EAC's responsibility to make sure that our subconsultants comply with the project schedule and quality of their deliverables.



3. Scope Management Plan

The goal of the Scope Management Plan is to ensure that as the project progresses, the key scope items and requirements are identified, maintained, and delivered. The following is a summary of the items that must be included in the Scope Management Plan:

- **Scope Requirements** – These are the City's requirements and are essential to delivering a project that meets the intended needs. Oftentimes, this may require an iterative process of listing, organizing, and prioritizing requirements.
- **Scope Definition** – This is the process of compiling all the requirements that are needed for the project, as well as including other elements - such as support services that are required to define and deliver the overall project scope.
- **Creating Work Breakdown Structures** – This is the process of breaking down the project into smaller components or individual deliverables to assist in the management and execution of the overall project.
- **Scope Validation** – This is the process of verifying that the scope requirements have been met, and that the deliverables are acceptable in accordance with the scope.



4. Schedule Management Plan

Our Team is equipped to meet project deadlines effectively. EAC will create a tailored schedule based on the approved scope and timeline for project development and implementation. Project milestones will be established, and timelines will be allocated for their associated tasks. Schedule control begins by creating a realistic and well-thought-out schedule that recognizes opportunities to expedite tasks and using such opportunities to assist in schedule recovery efforts, if needed.

Effective and realistic schedule control includes the following:

- Utilizing the appropriate scheduling methods – critical path method (CPM) or critical chain method (CCM).
- Developing schedules with input from all team experts, including construction personnel.
- Allocating resources - The right resources in the right quantities will be assigned to tasks in order to meet milestone schedules. Personnel assignments will be based on experience and expertise.
- Estimating task durations that include project risks.
- Effective sequencing of work.
- Utilizing schedule compression techniques.
- Utilizing a proactive early permitting approach that allows relevant jurisdictions to provide early input into the design and implementation processes.
- Incorporating float time to handle unforeseen conditions, and for review and comment incorporation.
- Monitoring and updating project schedule bi-weekly and adjusting the schedule for each task to reflect project events.



5. Budget Management Plan

To complete projects within budget, it is essential to plan properly before starting. EAC will ensure that projects stay on budget through a Budget Management Plan, guiding cost control throughout the project. After implementing the plan, we will create accurate estimates and budgets using industry's best practices.

Phase	Cost Estimates Level	Level of Accuracy
Pre-Design Phase	Conceptual Level of Opinion	+/- 20%
Design Phase	Budget Level of Opinion	+/- 10%
Final Design Phase	Definite Level	+/- 5%

Our Team has the capability and resources to meet budget goals on assigned projects. EAC has extensive experience in developing realistic budgets and understands the importance of proper cost controls. We have worked with public agencies and municipalities to ensure that budget estimates are feasible. EAC is known for meeting clients' needs and being responsive to projects. Success depends on understanding and adhering to scope and budgetary requirements, which our task leaders will ensure.

The use of value engineering measures and techniques will be implemented to ensure the proposed design intent is consistent with budget allocations. In our previous projects, we have taken the proactive approach of inquiring directly from contractors about the current prices of materials and specialized construction methods.

If it is determined that a project's estimated cost is exceeding the budget, it may be necessary to modify less prominent features of the project design to reduce cost without affecting the design intent and functionality. It is important to note that EAC will serve as an extension of staff - watching out to ensure that the project budget is not exceeded.

The following budget controls will be implemented in this contract. These controls have been utilized by EAC on previous projects, and have proven to be important success factors:

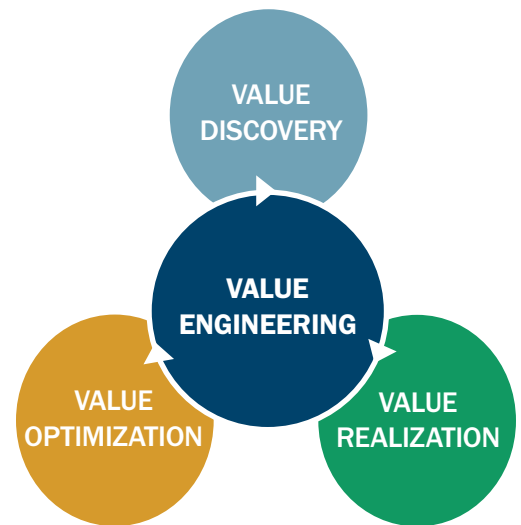
- **Cost Estimating at Project Milestones** - Cost estimates will be developed with each phase of deliverables. These will correspond to the level of completion and finalization per the construction plans. Interim cost estimates also allow for flexibility with the intended scope of work and allow for adjustments, if warranted.
- **Monitor Industry Cost Variations** - In the past few years the economy has created unpredictable and inconsistent variations in construction costs. EAC staff will estimate prices based on trends reflective of the proposed construction timing.
- **Multiple Costing Sources** - The utilization of multiple sources for historical cost data improves the accuracy of cost estimating to achieve the highest value at the lowest cost. This has been shown to facilitate decision making for our clients, as it relates to modifying the scope of work.
- **Value Engineering** - An important cost control tool that facilitates maintaining the functionality of proposed designs while replacing costly items with less costly alternatives.
- **Constructability Reviews** - Through our constructability reviews, items that may result in unexpected and unplanned costs for our clients are identified and eliminated from the construction plans.

The project budget typically consists of two components, the Engineering Fees and the Construction Cost. It is critical to manage both in order to ensure that we meet the requirements of the City's established Project Budget. The following budget controls will be implemented in this contract:

Engineering Fees: EAC's engineering fees will be developed and negotiated with the City of Pompano Beach based on the agreed-upon project scope. A clear understanding of the project scope, site constraints, permitting requirements, project complexity, and risk will be the basis of developing our engineering fees. The optimum amount of resources will be assigned to each project per our staffing plan for each task. Our project fees will then be closely monitored and managed each week through our project accounting software "Deltek Vision" which facilitates the assignment of resources to project tasks. This is critical in order to ensure that the city derives the maximum benefit from its assigned engineering fees.

Construction Cost: Cost estimating techniques and their correct application are critical to providing the city with reliable construction estimates. The EAC Team will utilize an innovative design to ensure that we meet the City's established project construction cost. EAC will utilize multiple industry sources to source current unit prices and develop budgetary cost estimates for each assignment. Cost estimates will be prepared and updated for each project deliverable.

Value engineering and constructability reviews will also play important roles in maintaining the project construction budget, since these are opportunities to save money without compromising quality or function. Our goal will be to provide the optimum design that results in the most cost-effective construction implementation and provides the best value for money for the City of Pompano Beach.





6. Quality Management Plan

As a professional engineering organization providing services to clients in the public and the private sector, EAC is judged by the quality of its design and construction documents. Therefore, we place a lot of emphasis on Quality Assurance and Quality Control (QA/QC). As provided in our organizational structure for the project, we consider quality control management integral to our ability to provide services.

We have assigned Dinesh Dagly, PE to ensure that our designs are constructable, and that prior to Issue for Construction (IFC) plans are distributed, all designs have been thoroughly reviewed, vetted, and screened for errors and omissions. Our QA/QC constructability reviews will target the soundness and completeness of designs to ensure that they are feasible and constructible without adverse field impacts and changes.

Quality Control Process

QA/QC is emphasized by EAC. QA is proactively process-focused, and EAC has identified processes through experience that yield the best results. QC ensures that deliverables meet required standards, and EAC accepts its responsibility to provide work that is accurate, functional, cost-effective, safe, and worthy of client and public trust.

Our strategy to implement our Quality Control process will target engineering design and code compliance, as well as constructability reviews. We will also look closely at the financial feasibility and value engineering aspects of our proposed design intent and approach.

Our approach to project quality management is defined through the five steps of Initiating, Producing, Confirming, Delivering, and Improving quality. This comprehensive framework also ensures continual improvement through the lessons learned from the process and sharing them with our entire Team. All procedures are certified by the Task Managers and the Project Manager. Our QA/QC Plan will provide the basis for consistent and organized reviews, production, and delivery to eliminate errors and to facilitate decision making and contract compliance.

The elements of EAC's Quality Management Plan (QMP) Program are:

- **Quality Staffing** - There is no substitute for qualified professionals providing their expertise in a professional manner. Additionally, it is important that this project be staffed in such a manner as to take advantage of each professional's expertise; thereby ensuring an excellent match between task and professional.
- **Quality Management** - Proper Quality Management of a project includes QA/QC and is essential for meeting the required deliverable quality. EAC initiates, develops, and conducts project planning for each phase of every project.
- **Quality Control** - Quality Control consists of checking our work deliverables, and the backbone of our Quality Control process is a five-phase check procedure.
- **Quality Assurance** - Quality Assurance monitors and assesses the Quality Control process. Quality Assurance leaders are assigned to every project to periodically review processes and products these processes yield. These technical leaders are not involved in the day-to-day production of the project deliverables and hence provide an independent technical perspective. Independent reviewers are key in enhancing quality, as they may identify gaps or blindspots in the deliverable, through their fresh perspective unbiased and unrooted from the natural design progression.



- **Constructability Reviews** - As part of our extensive QA/QC process, our team will undertake constructability reviews. These reviews will be conducted by professional personnel who will review the construction documents from a contractor's perspective. These reviews will primarily focus on discovering if there is a lack of consistency between plans, specifications, right-of-way issues, utility conflicts, and permit agreements. The reviews will ensure that all bid items are quantified and accounted for, including temporary works and Maintenance of Traffic (MOT). In addition, the reviews assess if the construction sequence is logical; evaluate feasibility and constructability, considering access, staging areas, and erection operations; and finally, for potential claims.



7. Risk Management Plan

A risk assessment evaluation is an important tool for proper management because it helps identify potential pitfalls and issues that may have adverse project consequences. EAC is a committed advocate of utilizing risk assessment as a systematic process of early identification and analyses, in order to plan for the potential manifestation of project risks and mitigate their impacts. The risk assessment approach for projects or assignments on this contract will identify the risks that require management (specifically the highest priority type risks) and put in effect strategies to minimize and eliminate intermediate and low-level risks. This risk assessment technique is therefore a tool that will be utilized in tandem with the QA/QC Plan that will be developed upon favorable consideration by the City of Pompano Beach.

Our risk assessment approach is reviewed consistently for modifications and adjustments throughout the life of our projects. In part, the success of a project is determined by how well this risk assessment and management approach is implemented by the project team.



8. Technical Approach

a) Approach to Planning and Preliminary Design Reports

EAC's approach to planning, studies and preliminary design begins with confirming project goals with the City immediately upon receipt of the Notice to Proceed (NTP). We focus on early issue identification; review of relevant as-built records; verification of existing conditions and constraints through field visits; early coordination with permitting agencies, utility owners, and stakeholders; and development of project-specific design criteria and viable design alternatives. Our goal is to develop technically sound, constructible concept design recommendations for the City that optimize life-cycle cost, enhance structural resiliency and long-term performance, minimize future maintenance, comply with permitting requirements, minimize community impacts, and support informed decision-making and a seamless transition into final design. Our expertise and capability cover the use of several platforms acceptable to local, state and federal jurisdictions. For the past decade, we have successfully developed studies and reports that have served as the basis for decision making and capital program planning by the clients. Planning and Preliminary Design projects encompass the following steps:

- i. **Records Research** – EAC will conduct a comprehensive examination of permits and as-built records, which provide critical insights into a project's existing elements and specifications. Additionally, previous studies and existing reports, such as PD&E studies, preliminary engineering reports (PER), bridge inspection reports (BIR), and load rating reports (LLR), will be analyzed to glean valuable information that will inform decision-making going forward.
- ii. **Data Collection** – Data to be collected include as-built plans, previous feasibility reports, PER, BIR, LLR, historic aerial photographs, previous studies in nearby areas; FEMA maps; existing and proposed land use maps; discussions with the City's maintenance and staff. Also, drawings of completed and proposed projects within the project area and adjacent areas are often useful, EAC will facilitate effective information management to ensure the accuracy, relevance, and comprehensiveness of the data gathered.
- iii. **Field Review** – At the commencement of each project, EAC will schedule a field review for our Team and invite assigned staff from the City. Discussions and observations will be aimed at reviewing the background of the project and any critical issues, problems, or requirements. Other agencies, as deemed appropriate, may be invited only when authorized by the City. We will document the field review and furnish photographs of the project to identify areas of concern. The field visits will serve to familiarize our team with critical areas that need attention and to identify any conditions that may not have been included in the data collection process.

iv. Surveying and Mapping – The assignments on this continuing professional contract will also require ancillary field technical data gathering tasks, including topographic surveying and mapping needed to evaluate, analyze, assess, and finalize bridge alignment.

v. Geotechnical Investigations – The assignments on this continuing professional contract will require geotechnical evaluations to be conducted along the project corridor/ site for each assignment. Geotechnical elements include soil and rock conditions, seasonal groundwater elevations, and isolated near-surface muck. Specific attention will be paid to these conditions during field investigations. We will also review available geotechnical data and draw upon our experience in the project area.

vi. Preliminary Engineering and Alternatives Analysis – Our Team has a proven track record in delivering successful preliminary engineering and alternative analysis for a wide range of transportation/ structural projects. We have extensive experience in developing and presenting alternative conceptual designs that explore viable structural systems, components, and materials, providing sufficient design detail and cost estimates to enable clients and stakeholders to make informed decisions about the most valuable options. Our Team has successfully navigated complex challenges, such as tight deadlines and limited budgets, and environmental constraints, and intensive coordination with communities, utility owners, and stakeholders, to deliver innovative, feasible, and cost-effective solutions that meet client expectations.



b) Specific Approach to Structural Engineering Infrastructure Design

The process of carrying out general Structural Engineering infrastructure projects involves several key tasks. This general approach includes steps for bridges, seawall infrastructure, miscellaneous structures (e.g. generator pads), and buildings (including roofs). While some steps may be consolidated or eliminated due to schedule constraints or practicality, the following core activities provide a structured approach to ensure the project is completed efficiently and effectively.

i. Field Reviews – At the commencement of each project, EAC will schedule a field review for our team members and applicable City staff. EAC will perform a field review to verify existing site conditions and identify project constraints and risks. This effort includes confirming that survey and topographic information accurately reflect current conditions and identifying utilities, obstacles, and encroachments not shown in available records. The field review will also evaluate constructability considerations such as site access, staging, traffic conditions, and proximity to adjacent structures. This process allows EAC to proactively identify potential constructability challenges, permitting issues, and environmental concerns that could affect project cost, schedule, or delivery.

ii. Data Collection – EAC will collect and review available project data to support planning, design, and risk evaluation. This includes collecting as-built plans and records (if applicable); previous reports; existing survey and topographic information; utility records; historic aerial photographs; soil reports of project area, environmental records and existing permits.

iii. Kick-off and Brainstorming Session – Once the EAC team has gathered substantial field data and have completed field review, our project manager will conduct a kick-off and brainstorming session with our team, including the discipline leads to discuss project objectives, scope, schedule and City's expectations. The session will identify technical constraints, risks, and constructability challenges and establish clear roles, responsibilities, and action items to guide project execution. This meeting is typically followed by a kick-off meeting with the city to discuss our findings and approach to executing the project.

iv. Utility Coordination – Utility coordination involves reviewing existing utility records, as-built plans, and survey information; contacting all utility owners through the Florida Sunshine One (811) Call System; confirming and mapping of existing and proposed utilities within and adjacent to the project area; and identification of potential conflicts with proposed structural improvements. This process is critical to ensuring that projects will be completed within schedule and budget for new bridges, bridge replacement, and/or widening, through early identification of utility impacts and advance planning for required utility relocations.



- v. Review the Regulatory Requirements and Design Criteria** – EAC will review federal, state, regional, and local agency rules and ordinances having jurisdiction over the development of facilities in the area. EAC will review applicable regulatory requirements and design criteria for the project, including City of Pompano Beach standards, Florida Department of Transportation (FDOT) requirements (as applicable), Florida Green Book, Florida Building Code, and AASHTO specifications. These agencies will include City of Pompano Beach, Florida Department of Health, Broward County Highway Construction and Engineering Division, Broward County Environmental Protection and Growth Management Department, Florida Department of Environmental Protection (FDEP), Hazard Ranking System, South Florida Water Management District, United States Environmental Protection Agency, and other local authorities. This review helps avoid developing alternatives that are not feasible from a regulatory standpoint.
- vi. Geotechnical Engineering** – EAC team will provide geotechnical engineering support to evaluate, as needed for each assignment, to evaluate subsurface and groundwater conditions to support the proposed structural improvements. We will review available geotechnical data, develop foundation recommendations the best suited to each project, supporting long-term performance while minimizing impacts to adjacent communities, existing structures, environmentally sensitive areas, and project cost and schedule.
- vii. Surveying and Mapping** – EAC Team will perform topographical and surveying services to obtain actual locations of site features, elevations, and important geometric data that are critical for design computations and analyses. All survey work will comply with the Minimum Technical Standards for Surveying and Mapping, according to Chapter 5J-17.052 of Florida Administrative Code, as adopted by the Board of Professional Surveyors, Chapter 472, Florida Statutes. Survey work and deliverables shall be in strict accordance with City requirements.
- viii. As-builts and Utilities Verification** – Existing utilities will be researched extensively by collecting and analyzing as-built data, survey information, and site investigations. Sub-surface Utility Engineering (SUE) investigations may be applicable and, if deemed necessary, will be recommended by our engineers to confirm utility locations, identify potential conflicts, and reduce risk to design development, construction, schedule, and cost.
- ix. Environmental Contamination / Assessments** – Our Team will review each project's immediate area to identify potential environmental concerns that may affect design, construction, permitting, cost or schedule. Our Team understands that the potential for contamination in the area could affect a project and have extensive experience addressing these issues when they arise. We understand that any work being conducted in a contaminated area must comply with the applicable requirements of the Occupational Safety and Health Administration (OSHA), Environmental Protection Agency (EPA) and Florida Department of Environmental Protection (FDEP). All construction activities, including dewatering and disposal of any contaminated materials, will be conducted in accordance with current City policies, procedures, and specifications. We will maintain open lines of communication with the city to discuss any proposed environmental assessments or contamination concerns that arise through the life of the project.
- x. Design Phase Services** – Our Team will ensure that proposed engineering designs conform to the City's standards and guidelines. Drawings will be developed to appropriate and legible scale to facilitate review by regulatory agencies and stakeholders and to ensure clarity for construction. Technical specifications and provisions for construction will be fully consistent with established design standards, construction practices, and jurisdictional criteria. We will also develop the probable cost estimate at each submittal milestone. The EAC Team will submit project deliverables to the city at 30%, 60%, 90% and 100% Design Phase, or as required by the city.
- xi. Permitting and Jurisdictional Approvals** – At the completion of the final design phase, all required permit applications and supporting documentation will be prepared and submitted to the respective jurisdictional agencies. We will track the review process and promptly resolve issues requiring design intent clarification. EAC and its team members have extensive experience preparing and coordinating permit application packages for a variety of infrastructure improvements. Our approach to permitting will involve:





- **Early Communication and Pre-Application Meeting** – The EAC Team will proactively engage regulatory agencies early in the process to ensure reviews and approvals are conducted in an organized manner. This will facilitate a seamless and expedited process. We will proactively initiate communications early with identified and applicable agencies and implement an “Early Permit Reconnaissance” strategy to promote transparency, identify issues ahead of time, and maintain open communication throughout the process.
- **Local knowledge and Strong Relationships** – EAC and its team members possess in-depth knowledge of the agencies and procedures and have established excellent relationships with the permit reviewers and decision makers. Utilizing local staff eases our coordination with regulatory agencies. This is of paramount importance, as our experience has shown that the process of securing required approvals is immensely simplified because our staff are familiar with local conditions, regulations and preferences of permitting agencies and their respective staff. Several of our team members have worked directly or indirectly for the agencies that will maintain jurisdictional authority over projects or tasks that result from this contract, further strengthening coordination and responsiveness.
- **Customized solutions** – We are well positioned to leverage our local knowledge and familiarity to develop customized, cost-effective, time-sensitive, and innovative approaches to securing permitting approvals. Our knowledge and strong professional relationships are essential because we solicit and receive early feedback and guidance to efficiently implement permit reviewers’ comments efficiently throughout the project life cycle.

xii. Bid and Award Support Services - The EAC Team will collaborate with the City to finalize the bid package, including estimated quantities, costs, bid forms and support the City’s Procurement and Contracts Department as needed during the procurement phase. EAC will attend the pre-bid meeting and respond to Request for Information (RFI) and assist with preparing addenda during the bidding phase. EAC will also assist in evaluating bids and making bid award recommendations.

xiii. Construction Administration - The EAC Team shares the City’s goal to be proactive addressing construction issues. EAC believes that the best philosophy during construction is to implement measures that prevent foreseeable problems from occurring in the project. When unforeseen issues occur during the project, we will immediately take steps to ensure resolution as soon as possible. As important as the resolution of the problem or issue is, the implementation of measures to ensure no recurrence of similar issues is even more important. Our Team has the expertise to provide comprehensive construction administration services for this contract. Some of the tasks anticipated in Construction Administration include:

- | | | |
|---|-----------------------------|--|
| • Attendance at pre-construction meetings | • Review of Change Orders | • Substantial completion and final inspections |
| • Shop drawings review | • Review of Invoices | • As-built review |
| • Request for Information (RFI) responses | • Construction inspections | • Record drawings |
| • Response to unforeseen conditions | • Project close-out service | • Certifications |
| • Attendance at construction field | • Punch-list items | |

c) Specific Approach to Bridge Repair, Replacement and Widening

EAC brings extensive local experience in bridge design, replacement, widening, and repair, delivering solutions that are constructable, low-maintenance, and tailored to site-specific and environmental constraints. EAC’s approach to bridge repair begins with a thorough assessment of the existing structure, including field inspections, as-built records, and the latest BIR and LRR. We identify deficiencies and develop repair strategies using proven methods and materials. Our goal is to deliver constructable repairs that minimize traffic and environmental impacts while facilitating permitting application. For bridge replacement or widening, EAC evaluates alternatives based on structural, geotechnical, and hydraulic assessments, as well as project constraints. We prioritize early development of the proposed structural configuration for owner review and approval, enabling timely soil borings and facilitating the permitting application.

Given urban and coastal constraints, our team works closely with geotechnical engineers to select viable foundation types—drilled shafts, piles, auger-cast piles, or micropiles—that minimize impacts on the community, environment, utilities, and stakeholders, while reducing project risks. Phased construction is implemented with Temporary Traffic Control Plans (TTCP) to maintain safe traffic access across the bridge throughout construction.

Our designs cover superstructure, substructure, and foundations with calculations meeting FDOT and AASHTO standards and City’s

requirements. Fully coordinated drawings and specifications are provided, ready for permit-ting and construction, ensuring efficient delivery and long-term performance. EAC has designed numerous bridges across Florida, earning recognition from FDOT, ASCE, and other engineering organizations for excellence and innovation in bridge design and construction. Our design also accommodates local agency requirements, including sea level rise considerations. Our team employs the latest industry design software to deliver efficient, accurate, and code-compliant bridge and structural designs, including advanced 3D bridge modeling capabilities.

d) Approach to Building, Roofing, Seawalls, Miscellaneous Structure Repair, Improvement and/or Renovation

Our Subconsultants MUEngineers understand that every project is unique and requires a customized structural solution that aligns with its size, scope, intended use, and site conditions. Their approach is rooted in collaboration, technical expertise, and a commitment to delivering projects that are well-coordinated, ahead of schedule, and fully compliant with all local and state codes. With 90% of their design experience in Florida, the Team brings deep knowledge of the Florida Building Code (FBC) and ensures that every design meets the highest standards of safety and performance.

During the design development phase, MUEngineers refine the conceptual structural systems established during the schematic stage. They work closely with architects and other consultants to integrate the structural design seamlessly with the building's architecture. This process includes selecting appropriate materials such as steel, concrete, or wood, developing preliminary calculations, and creating detailed drawings and models that define the layout and dimensions of structural elements like beams, columns, and foundations. Their focus during this phase is to ensure that the proposed system meets all safety, code, and performance requirements while considering constructability and cost-efficiency. This work lays the technical foundation for the construction documents that follow.

During the Permit Document Phase, MUE prepares the detailed structural drawings and calculations required for building permit submission. These documents clearly define the size, type, and placement of all structural elements, including foundations, framing, connections, and load-bearing systems, in full compliance with local building codes and regulations. MUEngineers coordinate closely with architects and other design team members to maintain consistency across disciplines and proactively address any code-related issues. Their goal is to produce a clear, accurate, and code-compliant set of documents that facilitate a smooth review and approval process by the permitting authority.

During Permitting MUEngineers play a critical role in facilitating the approval process with local building authorities. They submit finalized structural drawings and calculations as part of the overall permit application, ensuring that all documentation complies with current building codes, zoning requirements, and jurisdiction-specific regulations. The Team responds promptly to plan check comments or correction notices issued by the permitting agency, revising documents as needed and providing clear explanations to address any concerns. This proactive approach helps the project move efficiently through the approval process and into the construction phase.

e) Approach to Special / Threshold Inspections Approach

Our Subconsultant MUEngineers provide special and threshold inspections services and adheres to all applicable building codes, jurisdictional requirements, and industry best practices. The primary objective is to ensure that structural components are constructed in strict conformance with approved design documents, specifications, and governing codes throughout the construction process. This commitment helps maintain structural integrity and compliance from start to finish.

MUE provides inspection services for both projects designed by the Team and those designed by external firms. Their qualified inspectors perform inspections in accordance with approved plans and maintain detailed inspection records and logs for full transparency. For every inspection conducted, MUE prepares a comprehensive written report documenting findings and observations. Any deficiencies or nonconforming work are reported promptly as well as submit report to Contractors and Clients.



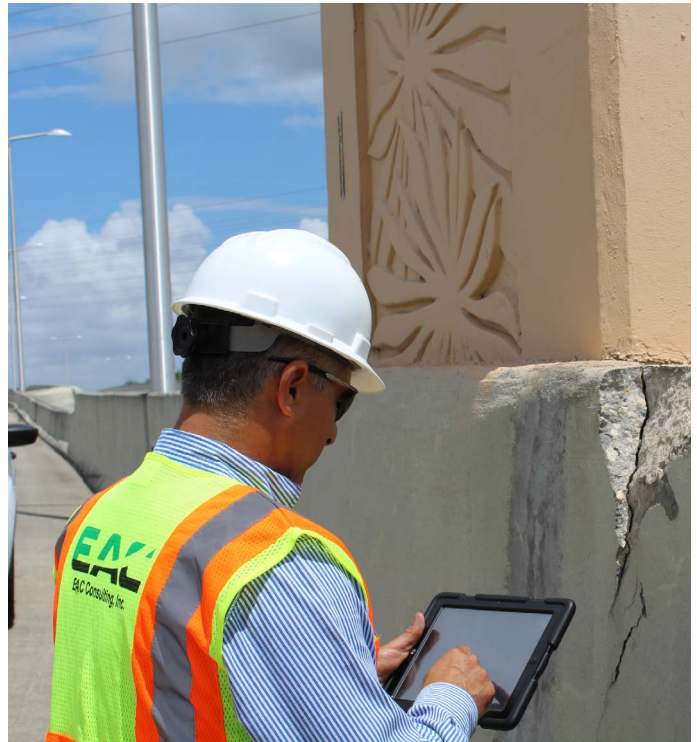
e) Approach to Construction Management and Inspection Services

The EAC Team has the technical and managerial capabilities to effectively undertake construction management and inspection services on all types of projects. Our role will involve ensuring that the proposed services are provided in such a manner as to ensure that the project is completed in conformance with the plans and contract documents, and that the needs of the City are satisfied. Our approach is to administer projects so as to minimize the involvement of the City's staff. Our construction management staff will coordinate the activities of all parties involved in completing the project. Coordination includes, but is not limited to:

- Maintaining comprehensive records of all activities and events relating to the project, including daily reports, photographic records, and documentation of damage or incidents.
- Providing verification of Quality Control tests and ensuring all materials and workmanship meet project specifications and industry standards.
- Documenting all significant project changes, including change orders, field directives, and responses to RFIs.
- Checking for errors and omissions, interpreting plans, specifications, and contractual requirements, and ensuring compliance with all codes and standards.
- Assisting in claims and dispute resolution, including maintaining logs and supporting documentation for any claims or disputes.
- Providing public information services and supporting the City's Public Information Officer in community outreach and response to resident complaints.
- Managing pre-construction and construction progress meetings, preparing and disseminating meeting minutes, and ensuring all stakeholders are informed.

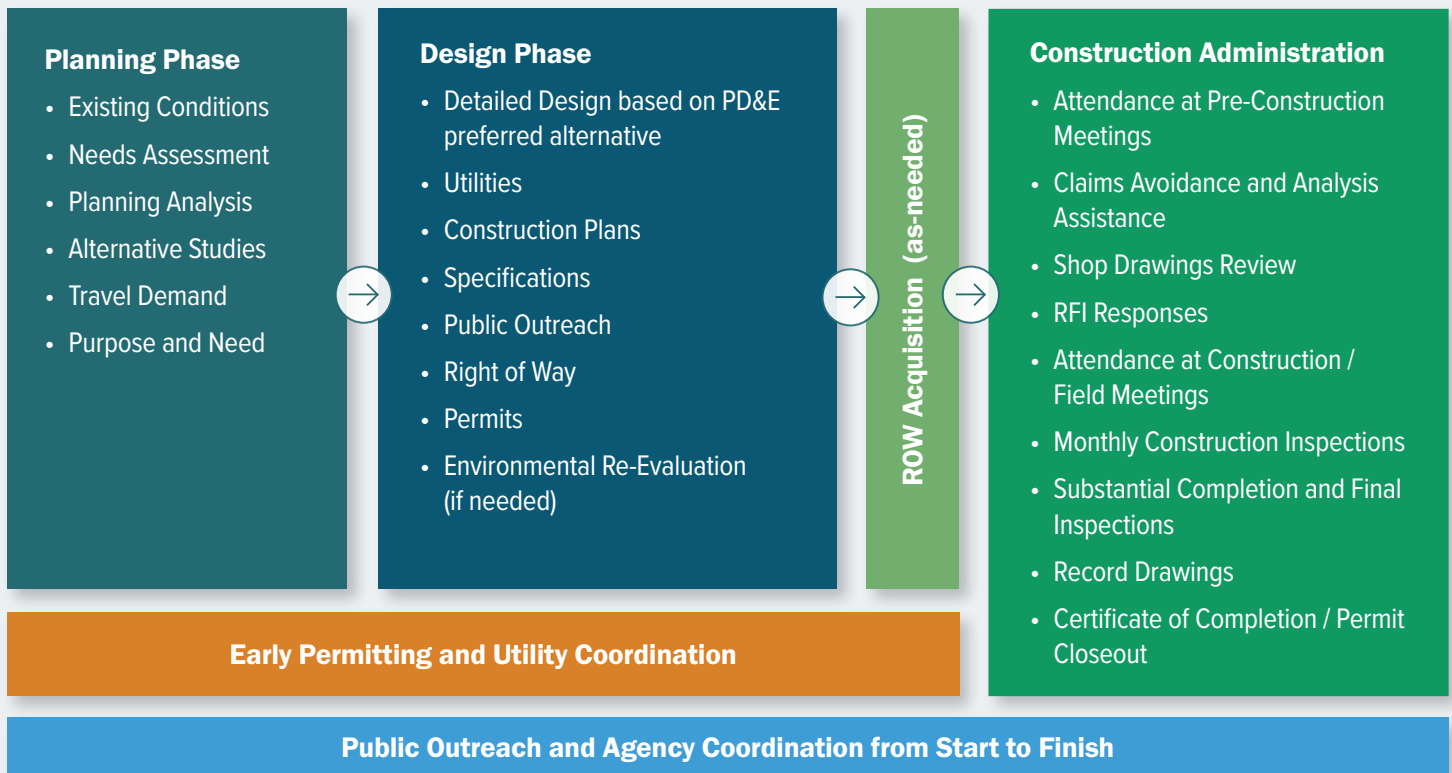
Additionally, our construction inspection services will involve:

- Sampling, Inspections, and Testing - Levels of testing will be defined in the project specifications and in accordance with the American Society for Testing and Materials, and/or other applicable industry standards. Oversee and document all sampling, inspections, and testing activities, ensuring compliance with the approved Quality Control Program.
- Stored Material/Equipment Review - Review and document the storage and certification of materials and equipment delivered to the site, ensuring compliance with submittal and approval requirements.
- Project Photo and Video Documentation - Maintain a photographic and video record of project progress, pre-construction conditions, and significant events, filed electronically and referenced in daily reports.
- Record Drawing Review - Review and maintain as-built drawings and ensure timely updates and finalization in accordance with contract requirements.
- Progressive List of Items Requiring Correction - Maintain and update a punch list of items requiring correction, coordinate with the contractor for timely resolution, and document all corrective actions.
- Notification of Accident, Damage, or Injury - Immediately notify the city and appropriate agencies of any accidents, damage, or injuries. Ensure the Contractor prepares and submits accident reports, and document all incidents in daily reports.
- Review and Response to Resident Complaints - Log, review, and respond to resident complaints, coordinating with the City's Public Information Officer and project team for resolution.
- Coordination, Review, and Response of RFIs, Field Directives, and Change Requests - Coordinate, review, and respond to Requests for Information (RFIs), field directives, and change requests, ensuring timely and accurate communication among all parties.



- **Document Management** - We will upload daily reports, project meeting minutes, RFIs, photos and any related project documents to the city's document management system. This guarantees transparency, accurate record-keeping, and streamlined communication with City staff throughout the project lifecycle.
- **Change Order Management** - Manage the change order process, including review, negotiation, and tracking of all changes. Ensure all change orders are properly documented and authorized.
- **Contractor Invoice Review** - Perform review of contractor invoices to ensure compliance with Davis-Bacon and Section 3 requirements, as well as all contract terms.
- **Pay Application Review** - Review and process pay applications, verifying quantities and compliance with contract documents before recommending payment.
- **Substantial Completion, Inspection, and Certification** - Coordinate and conduct substantial completion inspections, prepare punch lists, and certify completion in accordance with contract requirements.
- **Final Completion, Inspection, and Certification** - Oversee final completion inspections, ensure all punch list items are addressed, and certify project completion.
- **Project Close-Out** - Manage project close-out procedures, including collection and review of all required documentation, as-built drawings, warranties, and final payment certification.

Approach for Project Coordination and Delivery



Ability To Maintain Time Schedules and Cost Controls

The EAC Team is confident that, with our response to the City of Pompano Beach RLI26-006 Continuing Contract for Structural Engineering Services (CCNA), we possess the depth and breadth of resources, experience, qualifications, and project understanding necessary to successfully deliver projects for the City of Pompano Beach on time and within budget.

1. Approach to Maintain Time Schedules

To complete projects on time, it is crucial to conduct thorough schedule planning before commencing work. EAC has developed a proven system of delivering projects on schedule by first implementing a Schedule Management Plan. Our Schedule Management Plan is a component of our Project Management Plan. It involves establishing the policies, procedures, and criteria used to plan, develop, manage, execute, and control the project's schedule. This plan provides directions to the project team on how the project schedule will be managed throughout the project duration. Once the plan has been developed, our efforts focus on determining accurate durations for tasks and assessing how they interact during project execution, based on industry's best practices. This will form the "backbone" of the project schedule and ensure that tasks are executed logically and efficiently.

Our Team has the capability and resources to meet schedule completion requirements on assigned projects. We are familiar with the processes involved in providing realistic and achievable schedules. EAC will develop a project specific schedule for each project, based on the approved scope of work and with the City of Pompano Beach's established timeline for project development and implementation. Project milestones will be established, and timelines will be allocated for their associated tasks. Schedule control begins by creating a realistic and well-thought-out schedule that recognizes opportunities to expedite tasks and using such opportunities to assist in schedule recovery efforts, if needed.

2. Approach to Maintain Project Budgets

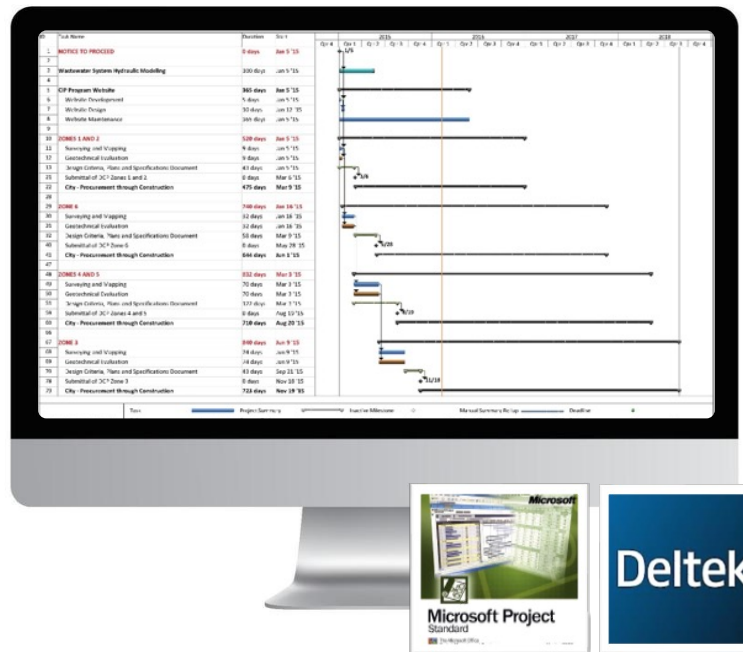
In order to complete projects on or under budget, it is critical to implement proper budget planning prior to commencing work. EAC has developed a proven system of delivering projects on or under budget by adhering to a Budget Management Plan. Our Budget Management Plan is a component of our Project Management Plan, involving the planning, resource allocation, estimating, and budgeting efforts required to manage the scope, schedule and control costs. This plan provides guidance and direction on how costs will be managed and controlled for the project's duration. Once the plan has been implemented, our efforts will be focused on developing accurate estimates and budgets based on best practices in the industry.

Our Team has the capability and resources required to meet all budget goals on assigned projects. EAC has extensive experience with the processes involved in developing realistic and achievable budgets. We understand the negative impacts of unrealistic budgets and proper cost controls. We have undertaken similar services with several public agencies and municipalities that require proper plans and the execution of said plans to ensure that budget estimates are feasible and practical. EAC has earned a reputation for understanding and meeting our clients' needs and has garnered the respect of the consulting community for responsiveness and sensitivity to our projects. One of the keys to the success of any project is an understanding and adherence to its scope and budgetary requirements. As Project Manager, Feng Liu, PE, will conduct periodic review to ensure that the project's scope, schedule and budget goals are maintained.

The use of value engineering measures and techniques will also be implemented to enable the proposed design intent to be consistent with the construction budget. In our previous projects, we have taken the positive approach of inquiring directly from contractors about the current prices of materials and specialized construction methods. If it is determined that a project's estimated construction cost is exceeding the budget, it may be necessary to modify less prominent features of the project design to reduce cost without affecting the design intent and functionality.



EAC confirms the ability to meet the City of Pompano Beach's established time schedule and cost controls.



Demonstrated Prior Ability to Complete Projects on Time and Within Budget

Often times projects under Miscellaneous Engineering Services contract are of a fast-tracked nature and an expedited approach is needed to meet the estimated timeline. Projects need to be fast-tracked for various reasons and some critical components that trigger projects to be fast-tracked from our experience are identified as follows:

- Expiration of project funds/grants utilization period: Projects need to be completed within specific time allocated for project funds.
- Other construction projects within the vicinity: Projects need to be constructed within the same timeframe of other construction projects to save City dollars.
- Critical infrastructure condition: Projects with critical condition need to be completed on a priority basis.

Our effective utilization of Project Controls will ensure we meet all project milestones for the projects on time and on budget successfully. Our project controls will focus on meeting the Project Scope, Budget and Schedule along with producing top quality work and providing quality service to City of Pompano. The Projects will require efficient and effective Project Management Practice in place. Our experienced Project Manager, Feng Liu, PE will bring attention and value to this contract. The EAC Team, with its numerous project experience in Broward County, is well aware of all codes and standards requirements. We are also aware of all permitting requirements that are associated with structures. We have developed strong relationships with local, state and federal permitting agencies. There will be “no learning curve”. Feng will follow the critical elements identified below to deliver each fast-tracked task under this contract within the estimated project timeline:

- Obtain complete site information to avoid surprise prior to commencing work
- Identify critical path to complete project
- Discuss with City to reduce deliverable milestones to save time
- Identify and execute simultaneous tasks to save time
- Weekly team meetings
- Ensure and allocate most experienced staff resources to expedite tasks
- Weekly monitoring of design fee, resource utilization and schedule
- Timely and proactively communicate with the City to mitigate any issues
- Timely and proactively communicate with Permitting Agencies to obtain permits in a timely manner

Refer to Statement of Skills and Experience of Project Team, where we have included detailed information on projects completed within the past 5 years that demonstrate our ability to complete projects on time and within budget.

References



EAC Consulting, Inc.
eacconsult.com

RLI 26-006

REFERENCES

Project Name	Project Scope	Client	Contact Information
North Cruise Boulevard Phase III Roadway and Bridge "Flyover"	EAC was a Prime Consultant. The project consisted of a Roadway and Bridge "Fly Over" Structure improvements at the Port Of Miami to alleviate adverse traffic flow conditions for the Port's current and future Cruise Terminal development program. The scope of work included a flyover horizontal and vertical alignment, typical sections, drainage design, lighting, signing and pavement markings, utilities coordination, water and sewer adjustment and relocation plans, and maintenance of traffic. A major feature of the project was the design of a steel bridge flyover structure to facilitate access to future terminals located on the east end of the port. The flyover typical section included three 12' travel lanes and two 6' shoulders with a constant cross slope of 2%. The superstructure consisted of 5 steel plate girders at equal spacing of 10.5' and 8.5" of C.I.P. slab. The bridge was a 2-span structure with a total bridge length of 324.5 feet along the baseline. Due to the roadway alignment and geometric constraints, skewers and curvature were required for the flyover. To minimize impact and noise during the construction that may have affected the adjacent cruise line terminals and port facilities, Auger cast-in-place piles (ACIP) (24" diameter) were utilized for the bridge foundation. ACIP has been widely used in the building industry and provides fast installation and economical solutions for the foundation construction in South Florida. The project included both the design and post-design services. This project was awarded by ASCE Miami-Dade Branch- Project of the Year (Cat II) 2024. Design Cost: \$1,165,843.85 Estimated Construction Costs \$11,731,827.96 Actual Construction Costs \$11,239,000	Port Miami	Victor Gutierrez, PE, PMP Victor.Gutierrez@miamidade.gov 305-347-4802
Golden Glades Interchange, Segment 4, Bridge 4	EAC was Prime Consultant. EAC provided structural engineering services for the design and plan preparation for the Superstructure, Substructure and Retaining Walls of SR-7 NB Bridge over I-95 and Railroad (Bridge 4) at Golden Glades Interchange (GGI). EAC performed the review of shop drawings, contract plans and design calculations, as well as design and plan preparation as required by FDOT District VI Structures Design Office. Design Cost: \$657,190.11 Estimated Construction Costs \$908 million	FDOT District 6	Hailing Zhang, PhD, PE hailing.zhang@dot.state.fl.us (305) 470-5484
SR 934/NE 79 Street from West of Pelican Harbor Drive to East of Adventure Avenue	EAC was Prime Consultant. This project involved the replacement of four prestressed concrete slab (Sonovoid) bridges (two bridge pairs) over Biscayne Bay connecting three islands within the City of Miami and North Bay Village in Miami-Dade County. The bridges are part of SR 934/NE 79th Street (John F. Kennedy Causeway), a roadway classified as "Urban Principal Arterial - Other", which connects mainland Miami to Miami Beach through North Bay Village. The specific limits of the project extended from milepost (MP) 1.077 (west of Pelican Harbor Drive) to MP 1.947 (east of Adventure Avenue). Design Cost: \$ 3,906,060.85 Estimated Construction Costs \$27 M Actual Construction Costs \$ TBD	FDOT District 6	Paola Martinez, PE paola.martinez@dot.state.fl.us 305-470-5210

PRIOR PROJECTS PERFORMED FOR THE CITY OF POMPANO BEACH

1	Pump Station # 65 Rehabilitation
2	Pump Station # 81 Rehabilitation
3	Hillsboro Inlet Seawall Replacement



Project Team Form

PROJECT TEAM FORM



EAC Consulting, Inc.
eacconsult.com

RLI 26-006

COMPLETE THE PROJECT TEAM FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE FORM IN ITS ENTIRITY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB FOR THE RLI IN THE EBID SYSTEM.

PROJECT TEAM

RLI NUMBER 26-006

Federal I.D.# 65-0519739

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	Kuo "K.T" Lin, PE	45	PhD
Project Manager	Feng Liu, PE	29	MS/MSE
Asst. Project Manager			
Other Key Member	Dinesh Dagly, PE	53	MS
Other Key Member	Chun Li, PE	33	MS

SUB-CONSULTANT

Role	Company Name and Address of Office Handling This Project	Name of Individual Assigned to the Project
Surveying	Keith and Associates, Inc. 301 E Atlantic Boulevard Pompano Beach, FL 33060	Chuck Schramm, PSM
Landscaping		
Engineering	MUE Engineers, Inc. 3440 NE 12th Avenue Oakland Park, FL 33334	Marcus Unterweger, PE, SI, LEED AP Ricardo Madriz, PE, LEED AP
Other Key Member	Brizaga, Inc. 2101 W Commercial Blvd., Suite 4600 Fort Lauderdale, FL 33309	Alec Bogdanoff, Ph.D
Other Key Member	RES Florida Consulting, Inc. 34 East Pine Street Orlando, FL 32801	Gayle Stone, MS
Other Key Member	Keith and Associates, Inc. 301 E Atlantic Boulevard Pompano Beach, FL 33060	Jon Weymouth, PE
Other Key Member	Tierra South Florida, Inc. 2765 Vista Parkway, Ste. 10 West Palm Beach, FL 33411	Raj Krishnasamy, PE

(use attachments if necessary)

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Principal-In-Charge	Kuo "K.T" Lin, PE	45	PhD
Project Manager	Feng Liu, PE	29	MS/MSE
Asst. Project Manager			
Other Key Member	Francis Bain, PE	19	MS
Other Key Member			

SUB-CONSULTANT

Role	Company Name and Address of Office Handling This Project	Name of Individual Assigned to the Project
Surveying	Keith and Associates, Inc. 301 E Atlantic Boulevard Pompano Beach, FL 33060	Chuck Schramm, PSM
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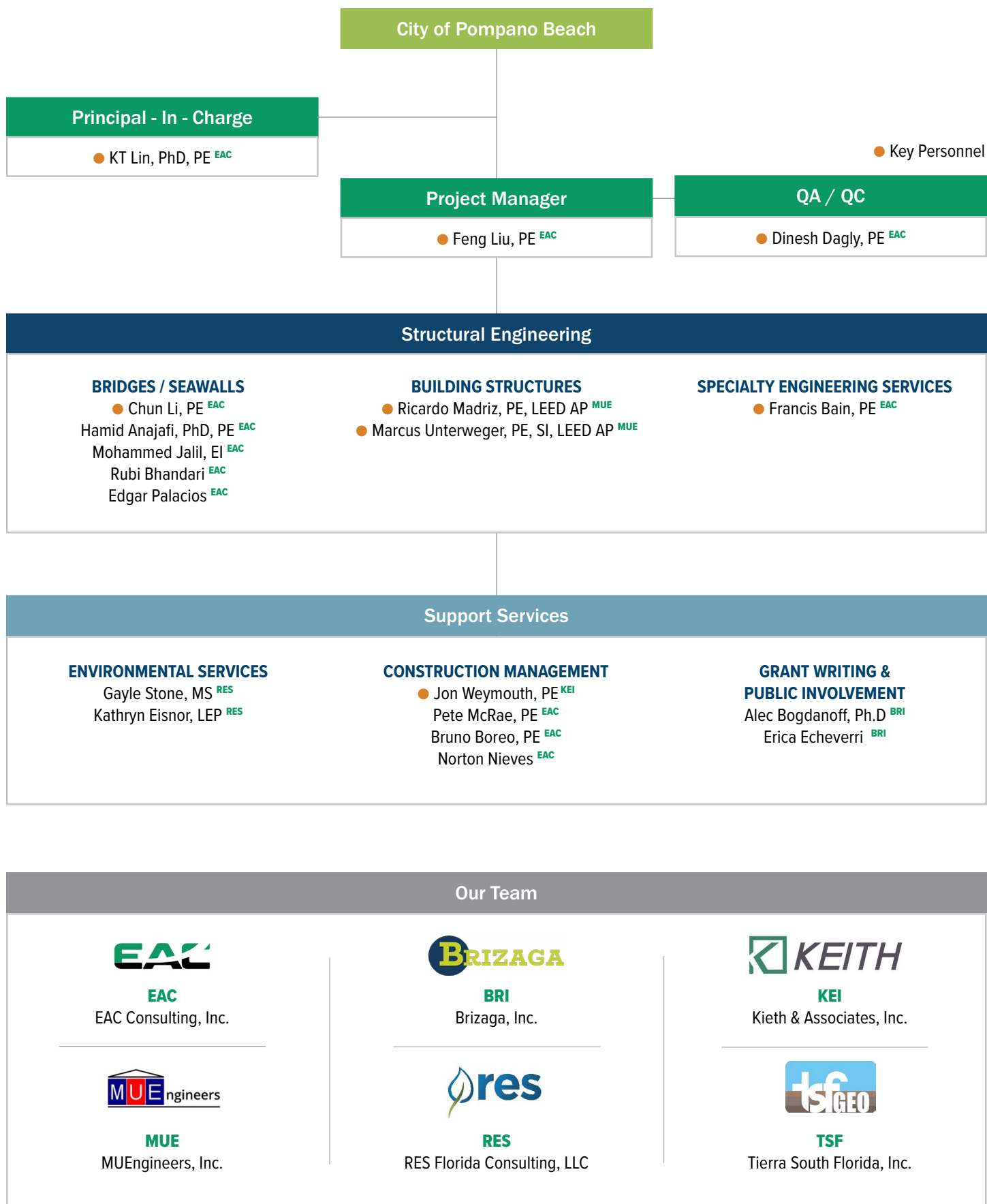
(use attachments if necessary)

Organizational Chart



EAC Consulting, Inc.
eacconsult.com

RLI 26-006



Statement of Skills and Experience of Project Team

STATEMENT OF SKILLS AND EXPERIENCE OF PROJECT TEAM



EAC Consulting, Inc.
eacconsult.com

RLI 26-006

STATEMENT OF SKILLS AND EXPERIENCE OF PROJECT TEAM

Prime Firm's Qualification & Experience

EAC Consulting, Inc. (EAC) is a full-service, multi-disciplinary engineering consulting firm based in South Florida, established in 1994. Since its inception, EAC has built its reputation as a leading engineering firm in Florida by providing engineering solutions to public and private sector clients. EAC is a State of Florida MBE certified firm with five Florida based offices - including our local office in Fort Lauderdale. EAC staff also provides client services from the Miami, West Palm Beach, Orlando, and Tampa offices. Since its establishment, EAC has assembled a diverse team of dedicated professionals who are committed to quality, client service and excellence. One of the reasons EAC is uniquely qualified to support the City of Pompano Beach is that most of EAC's employees are local to our community. These projects will be in our backyards, and because of this, we have a vested interest in the success of the city.

EAC offers four distinct service lines: Transportation Engineering (Highway, Bridges and Technology Systems), Civil Engineering (General Civil and Utilities Engineering), Construction Management, and Program Management. Within these four major lines of service, we also provide clients with our expertise and experience in planning, studies, assessments, design criteria, design-build package development, engineering design, construction documents, construction administration, plan reviews, expert witness and inspections. At EAC, client service is our top priority. We believe strong client relationships are the foundation of our firm's success and a key driver of repeat business. Having served over 30 municipalities clients here in South Florida, EAC is positioned to provide expert professional services for improvements in public infrastructure.

EAC is an award-winning firm. We were awarded Employer of the Year by the American Society of Civil Engineers (ASCE) Miami-Dade Branch in 2019. In 2016, the ASCE also awarded our firm the Project of the Year for the Fort Lauderdale-Hollywood International Airport West Side Water Main Improvements Project, completed for the Broward County Aviation Department. Our most recent awards were from ASCE Broward Branch for Sustainable Project of the Year (2025) and ASCE Miami-Dade Branch for Project of the Year (Category 2) (2024). Since 2017, EAC is also proud to be recognized as one of the Top Engineering News-Record (ENR) Design Firms in the Southeast USA.

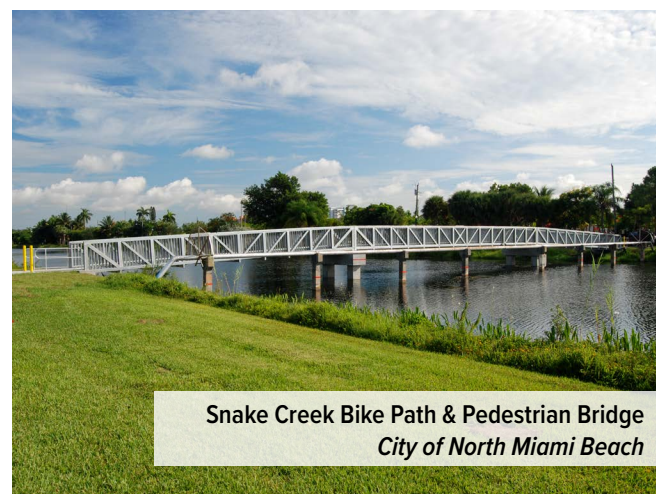


We are proud of the reputation we built over the years within the engineering industry and the South Florida community. Our firm has no complaint history, and we have had no disciplinary administrative action taken against us since our inception.

EAC's Experience with Scope of Services

EAC Consulting, Inc. brings over three decades of proven experience delivering full-service engineering and construction solutions for public sector clients. Our firm provides complete services, from initial planning studies and concept definition through construction documents development, permitting, procurement (RFIs, bid evaluation, addenda issuance etc.) and construction support (plan review, inspections / CEI, etc.). We are committed to proactive project management, clear communication and coordination efforts. Due to our local presence, the EAC Team can regularly attend meetings with the city and CRA staff to provide polished presentations to the City Commission or Board of Directors, reinforcing our commitment to stakeholder alignment.

EAC provides comprehensive structural engineering services, including the design and preparation of construction plans and specifications for City facilities and infrastructure improvements. EAC has extensive experience delivering structural infrastructure such as bridges and miscellaneous structures in urban and coastal environments, supporting the City's adopted Capital Improvement Plan (CIP). Our structural team is highly experienced in the design, structural condition assessment, repair, and rehabilitation of a wide range of structures, including pedestrian and vehicular bridges, seawalls, public buildings, and park and recreational facilities, as well as miscellaneous structures such as mast arms and span-wire signal poles. EAC's approach emphasizes constructability, durability, and compliance with applicable standards and the requirements of federal, state, and local agencies, while minimizing impacts to traffic, surrounding communities, and the coastal environment.



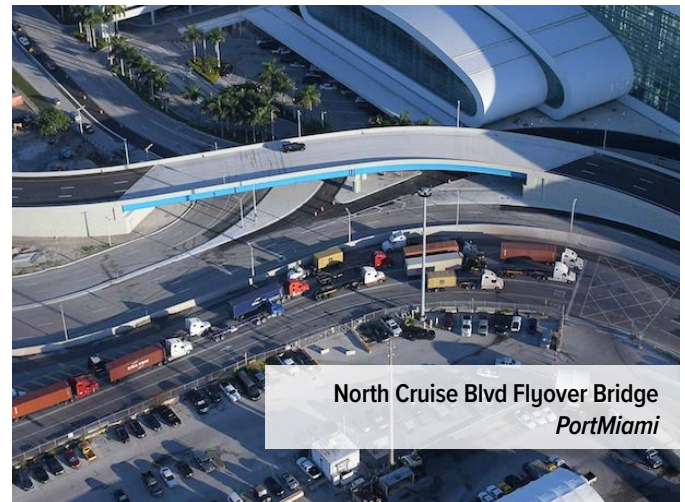
Snake Creek Bike Path & Pedestrian Bridge
City of North Miami Beach

Bridges and Miscellaneous Structures Design

The EAC Team has extensive experience in Bridge and Structural Design, Studies, and Planning -for similar local and state projects. EAC brings extensive local experience in bridge replacement, widening, and repair and rehabilitation, delivering solutions that are constructable, low-maintenance, and tailored to site-specific and environmental constraints. Our designs cover superstructure, substructure, and foundations, including drilled shafts and piles, auger-cast piles, and micro piles with calculations meeting FDOT and AASHTO standards. Fully coordinated drawings and specifications are provided, ready for permitting and construction, ensuring efficient delivery and long-term performance. EAC has designed numerous bridges across Florida, earning recognition from FDOT, ASCE, and other engineering organizations for engineering excellence and innovation in bridge design and construction.

EAC has successfully delivered numerous Bridge Structural Engineering Projects for Broward County, Miami-Dade County DTPW, FDOT, PortMiami, GMX, CFX, USACE, FTA, Miami Transit, and Brightline. EAC has extensive project experience in bridge design including pedestrian and vehicular bridge design, bridge load rating, plans review, bridge repair, as well as development of project-specific design criteria. EAC is highly qualified and experienced for design and load rating of Minor Bridge, Major and Complex Bridges, Post-tensioned Concrete, and Concrete Segmental Bridges. EAC's experience and expertise cover a wide range of Florida bridge structural systems (simply supported or continuous), including – CIP Concrete Slabs, FSB (Florida Slab Beam), FIB (Florida I-Beam), FUB (Florida U-Beam), Post-tensioned Concrete Structures, Steel Plate Girders, Steel Box Girders, and Concrete Segmental. EAC also provides engineering services for the design and analysis of miscellaneous structures; inspection of bridges and miscellaneous structure; evaluation of existing structure, Load Rating Analysis and Reviews; and Plans Review of Major and Minor Bridges and Miscellaneous Structures.

Currently, EAC is under contract with FDOT District 6 for District Wide Structures Design and Plans Review, DW Bridge Load Rating, and is a General Engineering Consultant for the Greater Miami Expressway Agency (GMX). We recently won the 2024 Award for ASCE's Miami-Dade Project of the Year (Category II) for the PortMiami Flyover Bridge.



North Cruise Blvd Flyover Bridge
PortMiami

Building Structural Design and Threshold Inspection

Our Team has comprehensive experience in structural engineering design and inspections. Our Team's goal is to select the most suitable structural systems while considering budget, constructability and local construction practices. Our Team provides a full range of structural engineering services, including: structural design, specialty engineering, structural assessments, threshold, special and 40-year inspections, restoration and peer reviews and feasibility studies. The Team's professional experience covers a comprehensive array of projects including: multi-family and condominium residences, custom single-family residences, car dealerships, hotels, parking garages, pedestrian bridges, fire stations, public safety complexes, police stations, public parks, lifeguard towers, sea wall restoration and repair, retail structures, medical facilities, office buildings, courthouses, etc. In addition to new construction, the Team has extensive experience with remodels, restorations and renovations of existing structures needing additional space, upgrades, or repairs of failing structural components. ***These services have been successfully performed for several clients including City of Pompano Beach, City of Deerfield Beach, City of Aventura and City of Fort Lauderdale.***

Specialty Engineering

EAC offers specialty engineering services to deliver timely, actionable feedback to municipalities, general contractors, developers, architects and property owners. We are committed to the safe, efficient and successful execution of projects. Our structural department includes FDOT Approved Specialty Engineer, Francis J. Bain, PE. We provide comprehensive analysis and design services according to the Florida Building Code, American Institute of Steel Construction, American Concrete Institute Standard 318: Building Code Requirements for Structural Concrete, American Association of State Highway and Transportation Officials, American Society of Civil Engineers Standard 7: Minimum Design Loads and Associated Criteria for Buildings and Other



I-395 Signature Bridge
Miami, FL

Structures, Florida Department of Transportation, and National Design Specification for Wood Construction (published by the American Wood Council) standards. Our Team of experienced engineers model structures, incorporate modifications, and deliver timely, actionable feedback. We utilize industry leading software, allowing us to offer innovative and efficient solutions for project needs.

These services include but not limited to sheet pile walls, bridge beam bracing, load tests, wind load analysis, and miscellaneous structural analysis and design which we have performed for clients such as Contractors.

Construction Management and Inspection Services

EAC has significant experience in the analysis of construction contract documents – including schedules, delay claims, change orders, pay requisition reviews and approvals, and general construction management related tasks and items. As an FDOT-certified Construction Engineering and Inspection (CEI) Consultant, EAC has worked on numerous projects representing client interests and ensuring that construction progress is maintained while required documentation and processes are managed.

Our experience involves participating in all ongoing construction management activities, including attending and chairing pre-construction and progress meetings at the request of our clients. Furthermore, our contract administration role involves establishing protocols and review processes for contractor submittals - such as shop drawings, Requests for Information (RFIs), claims, and pay requisitions. ***Our clients for these services include Miami-Dade Water and Sewer Department, Broward County Aviation Department, FDOT, SFWMD, and the cities of Hollywood, Miramar, Sunrise and many others.***

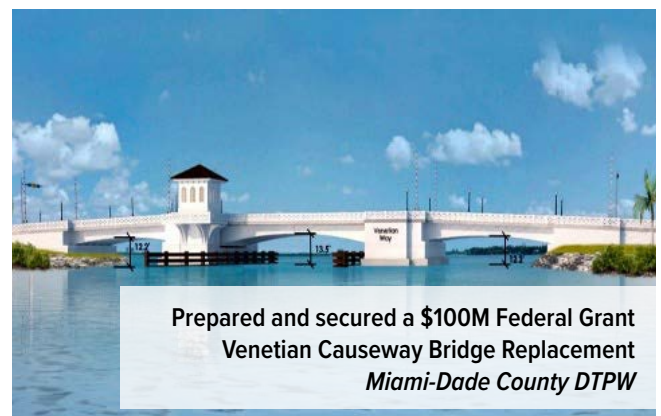
Familiarity with Permitting Agencies

Understanding and adherence to jurisdictional regulations and requirements is integral to the success of projects and assignments on capital infrastructure programs. EAC's project team brings a depth of experience in securing jurisdictional approvals. EAC is thoroughly familiar with the requirements of all jurisdictional agencies that maintain authority for the implementation of infrastructure projects locally and statewide. Our experience on previous projects has given us the opportunity to liaise and gain the confidence of approval agencies and departments. In addition, we have been privileged to perform services directly for several local and statewide permitting agencies - which, in turn, has allowed us to understand agency perspectives and develop relationships with permitting staff.

EAC has served several governmental permitting agencies as a prime consultant, including: Broward County Highway Construction and Engineering Division, Miami-Dade Department of Transportation and Public Works (DTPW), Miami-Dade Regulatory and Economic Resources (RER), South Florida Water Management District (SFWMD), Florida Department of Environmental Protection (FDEP), US Army Corps of Engineers (USACE), and Florida Department of Transportation (FDOT). We fully understand current State of Florida and local statutes and codes, environmental regulations, and varying ordinances that relate to - or directly impact - infrastructure development and construction.

Grant Funding Support and Assistance

EAC's Team is comprised of professionals who understand the grant processes and also understand potential sources of grant funding. Our Team will help the city apply for project funding by preparing grant applications or delivering engineering information to support applications. Post-award, EAC offers guidance in monitoring the grant to achieve a successful project close-out and reimbursement. EAC's experience providing oversight of funded projects enhances our ability to write and prepare successful grant applications. EAC has prepared over \$200M worth of grant applications and assisted with applications over \$80M in grants. EAC's Team has secured over \$163M in grants for our clients.



Resiliency and Sustainable Design Experience

EAC has considerable experience implementing sustainable design on its projects. We are committed to sustainable and environmentally sensitive programs and have repeatedly demonstrated this in our overall approach by implementing practices that foster efficiency and energy savings for clients. EAC's commitment to environmental responsibility is taken seriously by our corporate leadership and this message transcends to all staff and offices. EAC maintains a solid commitment to conduct services in a manner that minimizes negative impacts on the environment and promotes positive contributions to sustainability. Sea Level Rise (SLR) is a major concern to coastal communities such as the City of Pompano Beach and the EAC Team has the experience needed to provide flood management recommendations that mitigate the tidal flooding that the area has experienced.

EAC has staff members credentialed as Envision™ Certified Sustainability Professionals by the Institute for Sustainable Infrastructure (ISI). EAC has proposed various approaches and methodologies to contribute to projects receiving sustainability credits for certification. This demonstrates our firm's commitment to the ideals of sustainability. We offer support by ensuring that our local personnel understand, value, and practice engineering with a mindset that serves as wardens of our immediate community's physical infrastructure and to be leaders in the next wave of sustainable planning, design, and construction.

Use of Technology Resources

EAC is a technology leader and utilizes the latest software and hardware to provide efficient and effective services. Our ability to combine conventional approaches to projects and our knowledge of technological advancements allow us to continuously maintain proficiency in our field of engineering services and uphold our commitment to providing quality services to our clients. The use of the latest software and tools in no way replaces our commitment to traditional practice approaches; however, we have utilized specialized programs on structural engineering projects to serve the needs of our clients better relative to studies, design accuracy and consistency, production, delivery speed and budget control.

Our structural engineers utilize advanced software platforms such as Revit and STAAD Pro to automate complex calculations, perform analysis and ensure compliance with standards. Our ability to utilize current state-of-the-art software analyses, design, and management tools plays an increasingly important role in our success in satisfying our clients consistently. EAC uses computed aided design (CAD) software, enabling our engineers to create 3D models, 2D drawings, and schematics of their designs. Our product is often the delivery of a set of contract documents (plans/drawings included) that can be transformed into reality through implementing construction processes. EAC is intimately familiar with most of the CAD software available in the industry today and has in-house capability to utilize these tools including Autodesk AutoCAD Suite, Autodesk Civil 3D, Autodesk AutoCad LT and Bentley Systems.

Complementing our investment is our approach to utilizing CAD-compatible design and analysis tools to facilitate the project's deliverable development process. Depending on the service discipline, EAC staff is trained and proficient in utilizing current state-of-the-art software to accomplish project design objectives. Our engineers emphasize their ability to use current technological advancements as a tool for attaining clients' goals on their projects.

Likewise, for our post-design services, our construction engineers and inspectors proactively monitor and manage the construction process to minimize risks, enhance safety, and efficiently deliver projects in terms of budget and schedule. To this end, our construction staff are also trained in the utilization of specific tools and software that enable us to bring the required value to our client's projects. Some of these tools include Primavera P6, SureTrack, Microsoft Project and Microsoft Access. Our software resources are backed up by having in our offices state-of-the-art hardware utilizing up to date Windows platforms, including high-speed multicore processor computers with solid state hard drives, multi-function high-speed copiers, and multi-roll laser plotters.

Experience with Similar Clients

We have successfully provided the requested services in this RLI to several municipalities and counties, in South Florida, through previous and existing continuing service contracts as shown below.

CLIENT NAME	NAME OR DESCRIPTION OF CONTRACT
City of Pompano Beach (*)	General Engineering Services Contract
City of Dania Beach CRA (*)	General Engineering Services
City of Weston (*)	Professional Engineering Services
Broward County Aviation (*)	General Engineering Consultant (GEC) Services
Seminole Tribe of Florida (*)	Water and Wastewater Engineering Services
City of Hollywood (*)	Professional Engineering Services
Broward County Highway Engineering	Misc. Engineering Services
Florida Dept. of Env. Protection (*)	Professional A/E Services for the State of Florida
South Florida Water Mgmt. District (*)	General Professional Engineering Services (OMRRR)
US Army Corps of Engineers (*)	Misc. Civil Works Design and A/E Services
City of North Miami (*)	Professional Engineering Services / Continuing A/E Services Citywide
City of North Miami Beach (*)	Professional Services on a Continuing Basis
City of North Miami Beach	Misc. Design Services
City of Opa-locka (*)	Capital Improvements and Planning (Engineering Services)
Village of Key Biscayne (*)	Professional Engineering Services
City of North Miami (*)	Professional Engineering Services / Continuing A/E Services Citywide
City of Miami (*)	Continuing Engineering Services / Misc. Civil Engineering Services
City of North Miami Beach (*)	Misc. Design Services
City of Homestead (*)	Misc. Engineering Services / General Engineering Services
Village of Palmetto Bay (*)	General Engineering Services
Village of Islands, Islamorada (*)	Misc. Engineering Services (Open Contract)
Town of Sunny Isles (*)	Professional General Engineering Consultant
Monroe County, Engineering Division (*)	General Engineering Services
Miami-Dade College (*)	Misc. Engineering and A/E Services
Florida Power and Light (Fibernet) (*)	Professional Engineering Services Contract
Miami-Dade County Water and Sewer (*)	Engineering for the Design Large Water and Wastewater Pipelines
Miami-Dade DERM (*)	Professional Services Agreement (Misc. Engineering Services)
Miami-Dade Public Works	Misc. Public Works Type Projects (PSA)
City of Miami (*)	Continuing Engineering Services Misc. Transportation Engineering Services
Miami-Dade County Water and Sewer (*)	Professional. Services Agreement (Needs Assessment Program)

(*) EAC held Prime Consultant role

SUBCONSULTANTS FIRM'S QUALIFICATIONS AND EXPERIENCE

EAC has assembled a team to support our in-house structural engineers - with a focus on expertise, experience, and commitment to successfully delivering project assignments within schedule and budget. Our Team consists of the following firms:



Keith and Associates, Inc.

Topographic Surveying, Subsurface Utility Engineering (SUE), CEI

KEITH is a 60+ year old, majority woman-owned, transdisciplinary firm, headquartered in Pompano Beach delivering a broad range of projects internationally. KEITH has office locations in Broward, Miami-Dade, Palm Beach, St. Lucie and Orange Counties. The KEITH Team has maintained multiple contracts directly with the City of Pompano Beach, serving both as a prime consultant and subconsultant for decades. Additionally, the firm holds continuing services contracts with numerous municipalities throughout the County.



Tierra South Florida, Inc.

Geotechnical Engineering

Tierra South Florida, Inc. (TSF), is a full-service consulting Geotechnical Engineering, Construction Materials Testing, and Inspections firm with capabilities to provide test borings, engineering analyses and reports, AutoCAD and MicroStation plan sheets, laboratory soils testing, and construction engineering inspection services. TSF owns a large, diverse fleet of eleven drill rigs with automatic hammers (truck-mounted, track-mounted, rotary, tripod, ATV, barge/overwater) capable of drilling in challenging conditions - whether remote, soft, marshy, over-water, difficult to access or environmentally sensitive areas.



RES Florida Consulting, LLC

Environmental Engineering

RES Florida Consulting, LLC (RES) is an environmental engineering and ecological consulting firm whose areas of expertise include those related to water quality management, wetland permitting, biological evaluations, stormwater management, permitting, permit compliance, hydrologic restoration, and watershed planning. Its services include environmental consulting, ecological consulting such as wetland delineation and wildlife permitting, and engineering for water quality, stormwater, and regulatory compliance. RES has extensive experience with wetland permitting and biological evaluations, including work with agencies like USACE and FWS on wetland delineation, permitting, and habitat assessments.



MUEngineers, Inc.

Building Structures, Threshold Inspections and Structural Inspections

MUE is a comprehensive structural engineering and inspection firm offering a wide range of services. With a deep understanding of construction processes, they cater to clients across various sectors, including commercial, public, industrial, legal and residential. Established in 2010, MUE offers a complete suite of engineering services, encompassing design, specialty engineering, assessments, threshold, special, and structural safety recertifications, restoration, peer reviews and feasibility studies. Their expertise extends across a broad array of projects including multi-family and condominium residences, custom single-family residences, car dealerships, educational facilities, hotels, parking garages, pedestrian bridges, fire stations, public safety complexes, police stations, public parks, lifeguard towers, seawall restoration and repair, retail structures, medical facilities, office buildings, public facilities and infrastructure.



Brizaga, Inc.

Grant Writing and Public Involvement

Brizaga, Inc. is a CBE firm that was founded in 2017. Brizaga works to plan for and address the impacts of rising seas, more frequent flooding, and a changing environment on property, infrastructure, community, and the local economy. They bring a unique perspective that meshes physical science, engineering design, public policy, and community engagement to create innovative and practical solutions in the face of more frequent flooding, rising tides, and a changing environment. Brizaga provides expert support in grants, funding strategies, and economic analysis to help communities and organizations secure the resources needed to advance resilience and infrastructure projects. They have extensive experience navigating federal, state, and local funding programs, including competitive grants, cost-share programs, and innovative financing mechanisms.

Project Team Experience and Qualifications

The EAC Team comprises of professional staff that are qualified, certified and licensed to perform engineering within the State of Florida. In addition, all staff assigned to this project have numerous years of relevant experience specific to their assigned project roles and areas of specialty. Our personnel have extensive local experience in planning, structural engineering design, permitting, bid and award, and construction administration municipal projects. Our assigned project team are all qualified by education, licensure and experience to perform and respond to this solicitation.

A successful project begins with the Right Team. EAC has therefore carefully assembled an EAC Team that comprises of in-house professional staff and subconsultants, specifically to address the selected scope of work. In addition, our EAC Team has previously worked together on other CCNA contracts and projects, similar to ones anticipated under this RLI Contract. Our EAC Team will work together in a synergistic way to ensure that the city derives the maximum benefit on every project.

However, the ability to derive the maximum synergistic benefit from any team starts with its leadership. Team Leadership is therefore one of the most important and critical elements for project success, which starts with planning and ends with successful project delivery.

Team Leadership and Key Personnel

Team Leadership



Feng Liu, PE

Project Manager

29 Years of Experience | 90% Available for this Contract

Feng Liu, PE will serve as the Project Manager for this contract, bringing in over 29 years of experience in bridge and infrastructure design, including 21 years in South Florida. He has designed a wide range of bridge types, such as curved steel plate and box girders, Florida I and U beams, AASHTO beams, CIP flat slabs, and precast slabs. As the Engineer of Record (EOR) for several key bridge projects in Florida, he has played a vital role in delivering high-quality, structurally sound solutions. His expertise extends beyond bridge design to include long-span special sign structures, bridge rehabilitation and strengthening, structural plan reviews, permit reviews, shop drawing evaluations, CSI report assessments, and PD&E studies. He has also contributed to the preparation of RFPs for Design-Build projects, bridge load rating, bridge and fire-damaged building inspections, structural assessments, and project management.

Additionally, he has designed various miscellaneous structures, including retaining walls, culverts, custom drainage structures, overhead sign structures, signal support structures, and railroad station canopies.

Relevant Projects:

- NW 17th Ave Bridge Over Miami River PD&E
- Northeast Corridor Commuter Rail Extension
- SR 847/NW 47th Avenue over Snake Creek (C-9) Canal
- Districtwide Structural Projects Design and Review Consultants
- GGI SR 7 over I-95 and Ramp U Bridge
- SR 821 New Homestead Extension of Florida Turnpike Ramp A-2B over SR 836, CSX R/R Street



KT Lin, PhD, PE

Principal-in-Charge

45 Years of Experience | 80% Available for this Contract

KT Lin, PhD, PE, will be the Principal-in-Charge for this contract. As a Senior Vice President with EAC, KT's primary role will be to provide corporate oversight and to ensure that the Project Manager has the resources required to successfully complete all assignments. KT is an accomplished Structural Engineer and is a well-known and respected professional in the structural engineering industry. KT Lin, PhD, PE brings over 40 years of experience in bridge structural analysis and design with expertise covering a wide range of bridge types, including concrete and steel grade separation structures, water crossing and viaduct structures, and concrete segmental bridges. Dr. Lin previously served as Chief Structural Engineer for the SR 826/SR 836 Interchange Design-Build project, overseeing the review of design plans and shop drawings. This complex, four-level interchange features high level concrete segmental bridges, steel bridges, Florida I-Beam (FIB) bridges, sheet pile walls, MSE walls, and other highway structures.

**Dinesh Dagly, PE***QA/QC Manager***53 Years of Experience | 80% Available for this Contract**

Dinesh Dagly, PE will be responsible for the Quality Assurance and Quality Control for the assigned projects. Mr. Dagly has over 53 years of experience in structural design related to highway bridges, as well as elevated and underground mass transit structures. He has many years of experience working on FDOT projects involving preparation of specifications package, post design services including construction support, PD&E Studies and others. Mr. Dagly's bridge design experience includes different types of bridges such as segmental, concrete and steel.

Discipline Task Leaders

We have also assigned expert Task Leaders that will be responsible for providing the technical input needed to lead the design effort on the various disciplines, such as Bridges and Seawall structures, Building Structures and Specialty Engineering. These leaders have been carefully selected based on their education, experience, expertise, and their areas of specialty. These individuals will be responsible for the technical quality and compliance of their respective teams. In addition to their areas of specialty, they also have overlapping expertise in the design and implementation of various types of design projects and therefore will work together and serve as a resource for each other to ensure design efficiency and cost effectiveness. This will bring maximum benefit to any assigned project, especially on complex projects.

The following staff Bios summarizes the expertise of our key staff that are designated to this Contract.

**Chun Li, PE***Bridge and Miscellaneous Structures Lead***33 Years of Experience | 90% Available for this Contract**

Chun Li PE brings over 30 years of experience in structural engineering and design and will serve as a Bridge and Miscellaneous Structures Lead for this contract. He has extensive experience in bridge and building structural design. His experience includes pedestrian bridges, interchanges, concrete bridges, segmental bridges and steel bridges. He is conversant with design codes such as American Association of State Highway and Transportation Officials (AASHTO), American Concrete Institute (ACI), American Institute of Steel Construction (AISC); with design methods such as allowable stress design, load factor design and load and resistance factor design.

**Ricardo Madriz, PE, LEED AP***Building Structures Design Technical Lead***17 Years of Experience | 90% Available for this Contract**

Ricardo Madriz, PE, LEED AP will serve as the Building Structures Design technical lead. He brings more than seventeen years of structural engineering practice and skills to the table. He is incredibly knowledgeable in building structures and analysis, the latest software, and current building codes and industry standards. Ricardo Madriz has experience in the structural design of educational facilities, municipal facilities, high-rise buildings, building restoration, residential buildings, water related structures, office buildings and parking garages.

**Francis J Bain, PE***Specialty Engineering***19 Years of Experience | 90% Available for this Contract**

Francis Bain, PE, is an FDOT-approved Specialty Engineer with 19 years of experience in providing innovative structural solutions. He has demonstrated his expertise through involvement in high-profile projects such as the Signature Bridge, Howard Frankland Bridge, and the Port of Miami Tunnel. Francis is highly skilled in project management and proficient in using industry-leading software to optimize the design and analysis processes. He is committed to serving as the Specialty Engineer for this contract, ensuring that all structural elements are thoroughly evaluated and executed to the highest standards. His broad experience includes engineering services in areas such as bridge beam bracing, bridge overhang support, seawall analysis and design, load testing, wind load analysis, seal slabs, structural modification analysis, and the design of various miscellaneous structures. His proven ability to handle complex structural challenges makes him a valuable asset to the team.

**Marcus Unterweger, PE, SI, LEED AP***Structural Building Design Engineer and Threshold Inspector***26 Years of Experience | 90% Available for this Contract**

Marcus Unterweger, PE, SI, LEED AP will serve as the Building Structures Design Engineer and Threshold Inspector. He is a Florida registered professional engineer with over 26 years of professional experience. His experience includes the structural design of educational facilities, municipal facilities, high-rise buildings, healthcare facilities, churches, clubhouses, building restoration, office buildings, pedestrian bridges and parking garages.

**Raj Krishnasamy, PE***Geotechnical Engineer Lead***38 Years of Experience | 90% Available for this Contract**

Raj Krishnasamy, PE, will serve as the Geotechnical Lead. He is a Florida Registered Geotechnical Engineer with more than 38 years of experience. Mr. Krishnasamy will oversee the geotechnical engineering, construction materials testing, and inspection services for the assigned projects. His experience consists of successfully completing over 7,500 public and private projects. He has served as Project Manager for continuing contracts with over 20 Florida public agencies and has a history of repeatedly retaining those contracts through successful, cost-effective, and prompt execution of each task order.

**Jon Weymouth, PE***Construction Management and CEI Lead***36 Years of Experience | 90% Available for this Contract**

Jon Weymouth, PE will serve as Construction Management and CEI Lead. Jon has nearly four decades of experience in the design, permitting and construction of heavy transportation projects. Past projects include for the City of Pompano Beach Architectural and Structural Engineering Services, the Pier Parking Garage and the Charlotte Burrie Civic Center.

PERSONNEL QUALIFICATIONS TABLE																										
					Contract Tasks				Experience with Scope of Services Tasks																	
Name of Key Staff	Role on Contract	Years of Experience	Education	Availability	Contract/ Project Management	Quality Assurance & Quality Control	Design Phase Services	Construction Phase Services	Planning	Seawalls	Bridges	Misc Structures	Buildings	Specialty Engineering	Threshold Inspecor	Construction Engineering and Inspections	Grant Writing	Resiliency	Public Involvement	Jurisdctional Permitting and Approvals	Bid and Award Services	Construction Administration Services	Cost Estimating	Surveying and Mapping	Subsurface Utility Engineering	Geotechnical Services
Feng Liu, PE	Project Manager	29	MS	90%	●	●	●	●	●	●	●	●						●	●	●	●	●	●			
KT Lin, PhD, PE	Principal-In-Charge	45	PhD	60%	●	●	●	●	●	●	●	●					●	●	●	●	●	●	●			
Dinesh Dagly, PE	Quality Control / Quality Assurance	52	MS	70%		●	●	●	●	●	●	●						●		●	●	●	●			
Chun Li, PE	Bridges/ Seawalls Lead	33	MS	90%			●	●	●	●	●	●						●		●	●	●	●			
Hamid Anajafi, PhD, PE	Bridges/ Seawalls	13	PhD	90%			●	●	●	●	●	●						●		●	●	●	●			
Mohammed Jalil, EI	Bridges/ Seawalls	2	BS	90%			●	●	●	●	●	●						●		●	●	●	●			
Rubi Bhandari	Bridges/ Seawalls	5	MS	90%			●	●	●	●	●	●						●		●	●	●	●			
Edgar Palacios	Bridges/ Seawalls	30+	BS	90%			●	●	●	●	●	●						●		●	●	●	●			
Ricardo Madriz, P.E., LEED AP	Building Structures Lead	17	ME	90%			●	●	●	●		●	●					●		●	●	●	●			
Marcus Unterweger, PE, SI, LEED AP	Building Structures and Threshold Inspector	26	ME	90%			●	●	●	●		●	●		●			●		●	●	●	●			
Francis Bain, PE	Specialty Engineering	19	MS	90%			●	●	●	●	●	●	●	●						●	●	●	●			
Pete McRae, PE	Construction Management and Construction Engineering and Inspections Lead	28	BS	80%	●			●								●				●		●	●			
Bruno Boero, PE	Construction Management and Construction Engineering and Inspections	9	BS	90%	●			●								●				●		●	●			
Norton Nieves	Construction Management and Construction Engineering and Inspections	31	EIT	100%				●								●				●		●				
Jon Weymouth,PE	Construction Management and Construction Engineering and Inspections	36	BS	90%	●			●								●					●					
Ernesto Rueda	Structural Inspectors	32	BArch	90%				●								●					●					
Anthony Luna	Structural Inspectors	15	BS	90%				●								●					●					
Alec Bogdanoff, PhD	Grant Writing	13	PhD	90%			●										●	●		●			●			
Raj Krishnasamy, PE	Geotechnical Engineering	38	MS	90%			●	●																		●
Kumar Vedula, PE	Geotechnical Engineering	29	BS	90%			●	●																		●
Chuck Schramm, PSM	Surveying and Mapping	37	BS	90%			●																	●		
Mark Mitchell	Subsurface Utility Engineering	26	AA	90%			●																		●	
Kathryn Eisnor, LEP	Environmental and Permitting	20	BS	90%			●													●			●			
Gayle Stone, MS	Environmental and Permitting	31	MS	90%			●													●			●			
Erica Echeverri	Public Involvement	11	MS	90%			●	●											●							

Current and Projected Workloads

As requested in the RLI, the city desires information on our workload. EAC assures the city that our Team is composed of readily available professional staff that are available to start work on assignments immediately. Our current and project workload is tracked quarterly, and we show availability over the next two years to handle new assignments, tasks, services, and projects on this contract.

As a firm that commits to delivering in a manner that meets our clients’ expectations and objectives, EAC strives to ensure that proper forecasting is implemented – to ensure that staff resources are measured with respect to the number of projects within our firm. We are committed to continuing the necessary forecasts and associated projections to ensure that schedule and staffing allocations committed to our clients are not compromised. Currently, our workload analysis shows that we are available, since most of our projects are nearing the end of design and are either in construction or pending construction administration or management services. This means that we are ready to take on new assignments.

The following table illustrates our workload from the 1st quarter (Q1) of 2026 through the 4th quarter (Q4) of 2027 (24 months) based on our knowledge of existing and possible future assignments and projected growth.

The staffing projected for this contract will be maintained to meet the project’s needs and requirements. As a firm that has gained its reputation by working in partnership with our clients, we consider the relationships we build with all our clients to be very prestigious and ensure that we will accomplish the staffing and schedule goals of all projects.

EAC Current & Projected Workloads								
	2026				2027			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
EAC Workload / Utilized Capacity	74%	80%	60%	50%	45%	40%	35%	30%
EAC Availability / Utilized Capacity	26%	20%	40%	50%	55%	60%	65%	70%

Example Projects Completed On Time and Within Budget

The following pages provide detailed information on specific projects completed within the past 5 years that our team members have performed successfully. These projects all demonstrate our prior ability to complete projects on time and within budget.

Venetian Bridges Replacement - Miami, FL



PRIME CONSULTANT

Client:

Miami-Dade Department of Transportation and Public Works

Project Description:

EAC provided engineering professional services for the rehabilitation and restoration of ten fixed bridges and one bascule bridge along the historic Venetian Causeway. The Venetian Causeway is on the National Register of Historic Places and consists of 2.5 miles of roadway with ten low-level fixed bridges and two bascule bridges. The project required sensitivity to the historic character, the use of innovative repair methods, the restoration of certain elements of the bridges, design, and preparation of the contract documents.

Team Members Who Performed Work:

KT. Lin, PhD PE
Feng Liu, PE
Pete McRae, PE
Francis Bain, PE
Edgar Palacios

Chun Li, PE
Hamid Anajafimarzijarani, PE
Mohammed Jalil, El
Rubi Bhandari



Results:

Project is ongoing

Schedule:

Design Start Date: May 2021
Design End Date: Ongoing
Construction Start Date: TBD
Construction End Date: TBD

Budget:

Design Cost: \$10,578,926.16
Estimated Construction Costs \$177M

SCOPE OF SERVICES

SEAWALL DESIGN

BRIDGE DESIGN

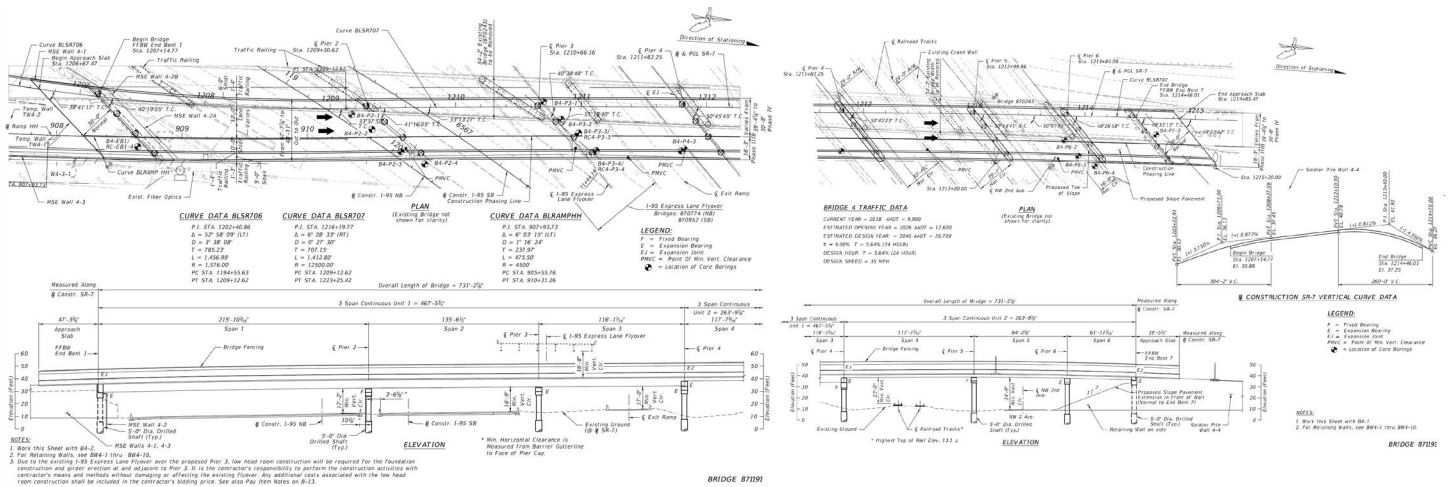
CONSTRUCTION ADMINISTRATION

MISC. STRUCTURAL ENGINEERING

BUILDING ENGINEERING

CONSTRUCTION ENG. & INSPECTION

Golden Glades Interchange Bridge 4 Design - Miami Gardens, FL



PRIME CONSULTANT

Client:

Florida Department of Transportation – District 6

Project Description:

EAC provided structural engineering services for the design and plan preparation for the Superstructure, Substructure and Retaining Walls of SR-7 NB Bridge over I-95 and Railroad (Bridge 4) at Golden Glades Interchange (GGI). EAC performed the review of shop drawings, contract plans and design calculations, as well as design and plan preparation as required by FDOT District VI Structures Design Office.

Team Members Who Performed Work:

KT. Lin, PhD PE
Chun Li, PE
Hamid Anajafimarzjariani, PE
Edgar Palacios

Results:

Project design completed in the past five (5) years, on time and within budget.

Schedule:

Design Start Date: March 2018
Design End Date: March 2023
Construction Start Date: March 2024
Construction End Date: ongoing

Budget:

Design Cost: \$657,190.11
Estimated Construction Costs: \$908M

SCOPE OF SERVICES

SEAWALL DESIGN

BRIDGE DESIGN

CONSTRUCTION ADMINISTRATION

MISC. STRUCTURAL ENGINEERING

BUILDING ENGINEERING

CONSTRUCTION ENG. & INSPECTION

North Cruise Boulevard Phase III Roadway and Bridge Flyover - Miami, FL



PRIME CONSULTANT

Client:
PortMiami

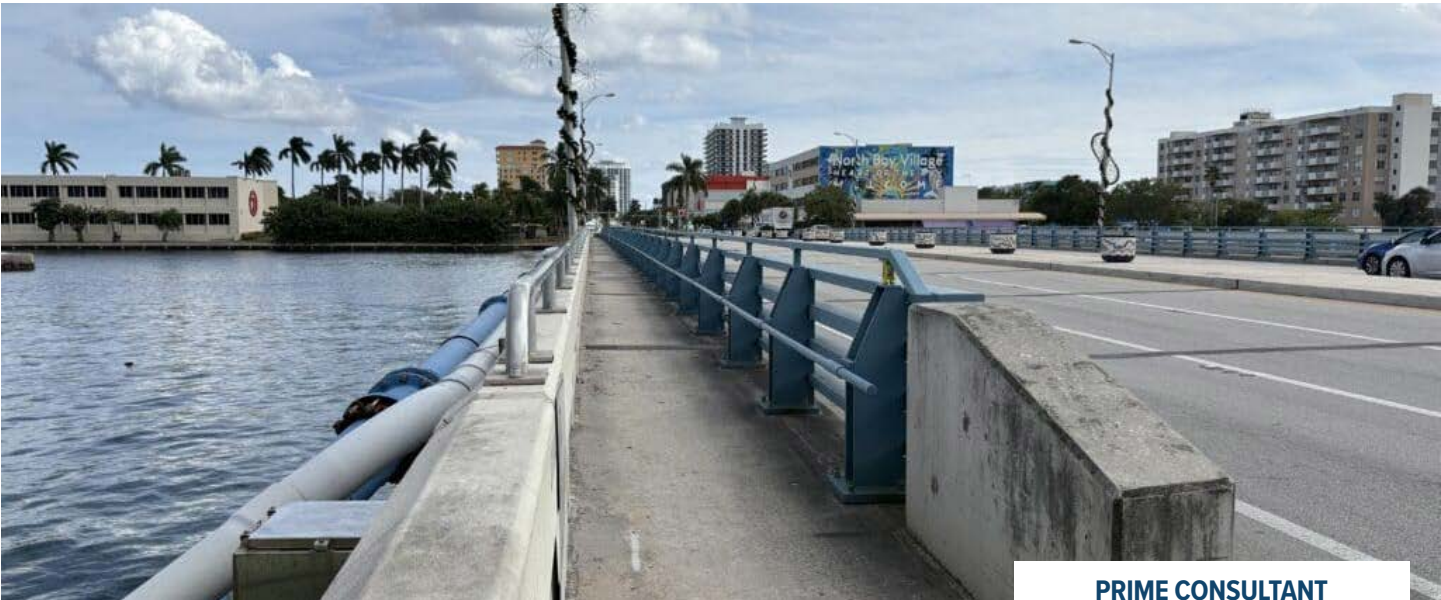
Project Description:
The project consisted of a Roadway and Bridge “Fly Over” Structure improvements at the Port Of Miami to alleviate adverse traffic flow conditions for the Port’s current and future Cruise Terminal development program. The scope of work included a flyover horizontal and vertical alignment, typical sections, drainage design, lighting, signing and pavement markings, utilities coordination, water and sewer adjustment and relocation plans, and maintenance of traffic. A major feature of the project was the design of a steel bridge flyover structure to facilitate access to future terminals located on the east end of the port. The flyover typical section included three 12’ travel lanes and two 6’ shoulders with a constant cross slope of 2%. The superstructure consisted of 5 steel plate girders at equal spacing of 10.5’ and 8.5” of C.I.P. slab. The bridge was a 2-span structure with a total bridge length of 324.5 feet along the baseline. Due to the roadway alignment and geometric constraints, skews and curvature were required for the flyover. To minimize impact and noise during the construction that may have affected the adjacent cruise line terminals and port facilities, Auger cast-in-place piles (ACIP) (24” diameter) were utilized for the bridge foundation. The project included design and post-design services and received the ASCE Miami-Dade Branch Project of the Year, Category II (2024).

- Results:**
Completed in the past five (5) years, on time and within budget.
- Schedule:**
Design Start Date: May 2019
Design End Date: May 2021
Construction Start Date: October 2021
Construction End Date: September 2023
- Budget:**
Design Cost: \$1,165,843.85
Estimated Construction Cost: \$11,731,827.96
Actual Construction Cost: \$11,239,000

Team Members Who Performed Work:
KT. Lin, PhD, PE
Chun Li, PE
Hamid Anajafimarzijarani, PE
Edgar Palacios

SCOPE OF SERVICES		
SEAWALL DESIGN	BRIDGE DESIGN	CONSTRUCTION ADMINISTRATION
MISC. STRUCTURAL ENGINEERING	BUILDING ENGINEERING	CONSTRUCTION ENG. & INSPECTION

SR 934/NE 79th St from W of Pelican Harbor Dr to E of Adventure Ave - North Bay Village, FL



PRIME CONSULTANT

Client:
Florida Department of Transportation – District 6

Project Description:
This project involved the replacement of four prestressed concrete slab (Sonovoid) bridges (two bridge pairs) over Biscayne Bay connecting three islands within the City of Miami and North Bay Village in Miami-Dade County. The bridges are part of SR 934/ NE 79th Street (John F. Kennedy Causeway), a roadway classified as “Urban Principal Arterial - Other”, which connects mainland Miami to Miami Beach through North Bay Village. The specific limits of the project extended from milepost (MP) 1.077 (west of Pelican Harbor Drive) to MP 1.947 (east of Adventure Avenue).

Team Members Who Performed Work:
KT. Lin, PhD PE
Feng Liu, PE
Chun Li, PE
Hamid Anajafimarzijarani, PE
Mohammed Jalil, EI
Edgar Palacios

Results:
Completed in the past five (5) years, on time and within budget.

Schedule:
Design Start Date: January 2025
Design End Date: ongoing
Construction Start Date: TBD
Construction End Date: TBD

Budget:
Design Cost: \$ 3,906,060.85
Estimated Construction Cost: \$27 M
Actual Construction Cost: \$ TBD

SCOPE OF SERVICES		
SEAWALL DESIGN	BRIDGE DESIGN	CONSTRUCTION ADMINISTRATION
MISC. STRUCTURAL ENGINEERING	BUILDING ENGINEERING	CONSTRUCTION ENG. & INSPECTION

Brightline Miami Central Load Assessment - Miami, FL



PRIME CONSULTANT

Client:
Brightline Trains Florida LLC

Project Description:
EAC reviewed the new train consist loading diagrams provided by Brightline as well as the Designer Consultant previously prepared design calculations and construction plans for the MiamiCentral Rail Infrastructure bridges. EAC performed technical design assessments for the load-carrying capacity of the bridges and associated rail infrastructure within the project limits. Where assessments indicated the need for modifications, and upon authorization by Brightline, EAC developed conceptual solutions and advanced them to final design, ensuring seamless integration with existing rail systems. All work adhered to the original All Aboard Florida (AAF) Structures Design Criteria, AREMA guidelines, and, where appropriate, the Florida Department of Transportation (FDOT) Structures Manual.

Team Members Who Performed Work:
KT. Lin, PhD, PE
Chun Li, PE
Hamid Anajafimarzijarani, PE

Results:
Completed in the past five (5) years, on time and within budget.

Schedule:
Design Start Date: April 2021
Design End Date: December 2022

Budget:
Design Cost: \$393,120.00

SCOPE OF SERVICES		
SEAWALL DESIGN	BRIDGE DESIGN	CONSTRUCTION ADMINISTRATION
MISC. STRUCTURAL ENGINEERING	BUILDING ENGINEERING	CONSTRUCTION ENG. & INSPECTION

State Road A1A Sunrise Boulevard to NE 18th Street - Fort Lauderdale, FL



PRIME CONSULTANT

Client:

Florida Department of Transportation - District 4

Project Description:

During Hurricane Sandy, the City of Fort Lauderdale's iconic Wave Wall was undermined by the waves generated by the storm, and resulted in the undermining of SR A1A. The Wave Wall is a flowing, swirling wall that extends along SR A1A and supports a brick paved promenade that includes pillar framed entrances to the City's world-famous beach. EAC designed a new wall that replicated the damaged wall but included a foundation that would protect the wall, the beach shoreline, and the roadway from future events. The new wall foundation utilized steel sheet piles, which were embedded below grade and out of sight. The design allowed for the reconstruction of the iconic wall and promenade to its original appearance and provided the resiliency protection to the roadway and shoreline.

✓ Team Members Who Performed Work:

KT. Lin, PhD, PE
Chun Li, PE
Edgar Palacios

✓ Results:

Project was completed on time and within budget.

Schedule:

Design Start Date: August 2013
Design End Date: October 2014
Construction Start Date: August 2014
Construction End Date: October 2015

Budget:

Design Cost: \$123,410.77
Estimated Construction Cost: \$11.8M
Actual Construction Cost: \$11.8M

SCOPE OF SERVICES

SEAWALL DESIGN

BRIDGE DESIGN

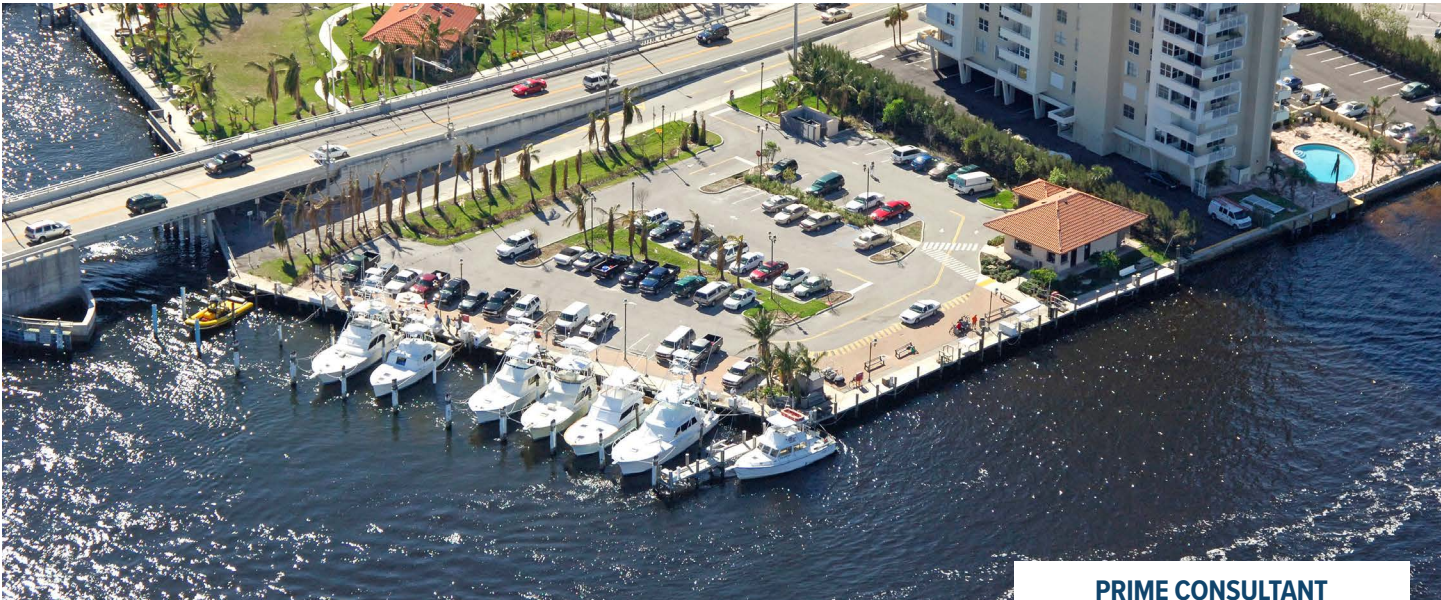
CONSTRUCTION ADMINISTRATION

MISC. STRUCTURAL ENGINEERING

BUILDING ENGINEERING

CONSTRUCTION ENG. & INSPECTION

Hillsboro Marina Seawall Replacement - Pompano Beach, FL



PRIME CONSULTANT

Client:

Florida Department of Transportation - District 4

Project Description:

This project entails the replacement of 75 feet of seawall in an active fishing fleet marina. The scope of work that EAC Consulting proposed for this project is to perform a study and underwater assessment of the remain-ing portion of wall to establish a baseline for future reference, design the replacement for the damaged segment of wall, and perform construction administration services for this project.

Team Members Who Performed Work:

Feng Liu, PE
Chun Li, PE
Edgar Palacios

Results:

Project was completed on time and within budget.

Schedule:

Design Start Date: March 2010
Design End Date: January 2011
Construction Start Date February 2011
Construction End Date: November 2011

Budget:

Design Cost: \$61,150

SCOPE OF SERVICES		
SEAWALL DESIGN	BRIDGE DESIGN	CONSTRUCTION ADMINISTRATION
MISC. STRUCTURAL ENGINEERING	BUILDING ENGINEERING	CONSTRUCTION ENG. & INSPECTION

Hard Rock Stadium Pedestrian Bridges - Miami Gardens, FL



SUBCONSULTANT

Client:

City of Miami Gardens

Project Description:

EAC, as a subconsultant to Bentley, completed the design of two pedestrian bridge substructures, which facilitate access to and from the Hard Rock Stadium. The new stadium, located in Miami Gardens, Florida, accommodates up to 60,000 spectators, and is home to the NFL's Miami Dolphins. The stadium also hosts the University of Miami's Miami Hurricanes football team. Both bridges are 14-ft wide. One spans 151-ft 11-in, and crosses over NW 199th Street on the south side of the stadium. The other spans 206-ft 11-in, and crosses over the Turnpike Access Road on the east side. The superstructures were designed by Contech Engineered Solutions LLC, and are variable-depth walk-through steel trusses with a cast-in-place concrete deck. The bridge approach ramps have pedestrian walkways supported by wrap-around Mechanically Stabilized Earth (MSE) walls, as well as stairs at the ramp entrances to facilitate pedestrian access during events. EAC's design services also included the MSE wall control drawings for the ramps at both bridge approaches. Construction on this fast-track Design-Build project began in January 2019 and was completed in January 2020 - just in time for Super Bowl LIV. EAC successfully met all of the design submittal deadlines for this fast-track project.

Team Members Who Performed Work:

Dinesh Dagly, PE

Chun Li, PE

Edgar Palacios

Results:

Project was completed on time and within budget.

Schedule:

Design Start Date: July 2018

Design End Date: December 2018

Construction Start Date: November 2018

Construction End Date: January 2020

Budget:

Design Cost: \$514,097.86

Actual Construction Cost: \$15,000,000.00

SCOPE OF SERVICES

SEAWALL DESIGN

BRIDGE DESIGN

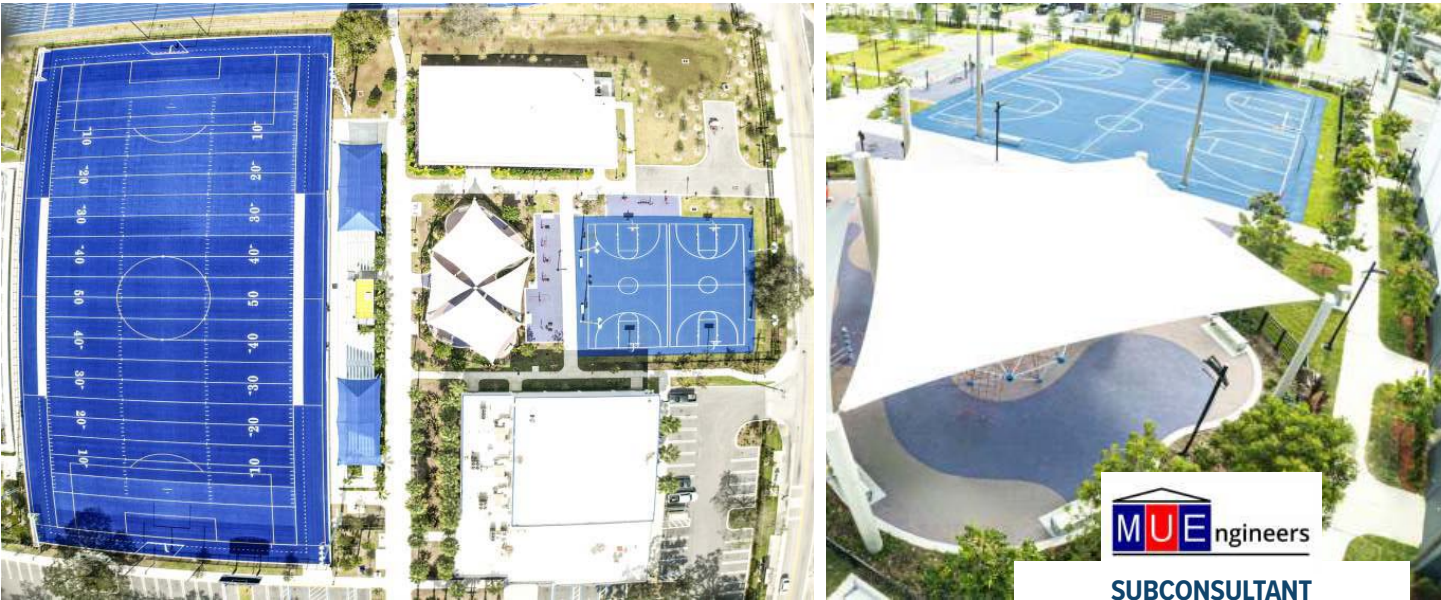
CONSTRUCTION ADMINISTRATION

MISC. STRUCTURAL ENGINEERING

BUILDING ENGINEERING

CONSTRUCTION ENG. & INSPECTION

McNair Park Community Center - Pompano Beach, FL



Client:
Bermello, Ajamil & Partners, Inc.

Project Description:
MUE was a member of the team on this project for the City of Pompano Beach. Our role included the structural design and engineering related to improvements at McNair Park, such as, a new ~5,000sf concession, bathroom and gym building; new bleacher seating for 1800 people; a new press box structure and foundation system; and the foundation designs for a pre-engineered picnic shelter, football goal posts, basketball posts and new free-standing light posts.

Team Members Who Performed Work:
Marcus Unterweger

Results:
Completed on time and within budget.

Schedule:
Design Start Date: 01/07/2019
Design End Date: 09/15/2020
Construction Start Date: 12/16/2020
Construction End Date: 09/15/2022

Budget:
Design fee: \$23,750.00
Estimated construction costs: \$3,000,000

SCOPE OF SERVICES		
SEAWALL DESIGN	BRIDGE DESIGN	CONSTRUCTION ADMINISTRATION
MISC. STRUCTURAL ENGINEERING	BUILDING ENGINEERING	CONSTRUCTION ENG. & INSPECTION

Sawgrass to Seagrass Center - Deerfield Beach, FL



Client:
Bermello, Ajamil & Partners, Inc.

Project Description:
This project involves the structural design of a new 17,000 square foot public facility center in Deerfield Beach. The ground floor features an open parking garage and office spaces, while the second level includes open terrace areas, a community center, and an exhibition space. The structural framing combines reinforced concrete on the second level and steel framing at the roof level. MUE will provide the structural special inspections during construction as well.

Team Members Who Performed Work:
Marcus Unterweger
Ricardo Madriz

Results:
Project is ongoing.

Schedule:
Design Start Date: 01/06/2023
Design End Date: 01/31/2024
Construction Start Date: 05/01/2025
Construction End Date: TBD

Budget:
Design fee: \$59,240.00
Estimated construction costs: \$21,000,000

SCOPE OF SERVICES		
SEAWALL DESIGN	BRIDGE DESIGN	CONSTRUCTION ADMINISTRATION
MISC. STRUCTURAL ENGINEERING	BUILDING ENGINEERING	CONSTRUCTION ENG. & INSPECTION

Torry Island Seawall & Walkway - Belle Glade, FL



Client:
Bermello, Ajamil & Partners, Inc.

Project Description:
MUE was responsible for the structural design of a new 800-foot-long bulkhead/seawall structure and an adjacent concrete boardwalk as part of this waterfront development project. In addition to these primary elements, MUE engineered the foundations and anchor points required to secure floating dock structures designed by a third-party firm, ensuring seamless integration and long-term stability. The project was completed on schedule and within budget, reflecting strong coordination and execution across disciplines. Marcus Unterweger served as both the Principal in Charge and Engineer of Record (EOR), overseeing all aspects of MUE’s structural scope and ensuring technical excellence throughout the project lifecycle.

Team Members Who Performed Work:
Marcus Unterweger

Results:
Completed on time and within budget.

Schedule:
Design Start Date: 04/01/2019
Design End Date: 04/06/2020
Construction Start Date: 03/30/2021
Construction End Date: 03/31/2022

Budget:
Design fee: \$9,090.00
Estimated construction costs: \$1,500,000.00

SCOPE OF SERVICES		
SEAWALL DESIGN	BRIDGE DESIGN	CONSTRUCTION ADMINISTRATION
MISC. STRUCTURAL ENGINEERING	BUILDING ENGINEERING	CONSTRUCTION ENG. & INSPECTION

Aquatic Center Peninsula Seawall - Fort Lauderdale, FL



Client:

The Chappell Group

Project Description:

MUE was retained to provide comprehensive structural engineering services for the design and construction of a new seawall at the Fort Lauderdale Aquatic Center. The scope of work included the complete structural design of a replacement seawall measuring approximately 1,407 linear feet, intended to enhance shoreline stability, protect adjacent infrastructure, and improve long-term resilience against tidal and storm-related forces. The new seawall was engineered to meet modern coastal design standards and accommodate site-specific geotechnical and hydraulic conditions. MUE’s design addressed critical factors such as lateral earth pressures, water loads, corrosion resistance, and constructability, ensuring a robust and durable solution tailored to the aquatic center’s operational needs. As the project transitions into the construction phase, MUE will continue its involvement by performing structural inspections to verify compliance with design specifications and monitor construction quality. These inspections will focus on key structural elements, including pile installation, wall panel placement, cap construction, and anchoring systems.

Team Members Who Performed Work:

Marcus Unterweger

Results:

Project is ongoing.

Schedule:

- Design Start Date: 11/05/2022
- Design End Date: 4/1/24
- Construction Start Date: 11/18/25
- Construction End Date: TBD

Budget:

- Design fee: \$18,500.00
- Estimated construction costs: \$3,500,000.00

SCOPE OF SERVICES		
SEAWALL DESIGN	BRIDGE DESIGN	CONSTRUCTION ADMINISTRATION
MISC. STRUCTURAL ENGINEERING	BUILDING ENGINEERING	CONSTRUCTION ENG. & INSPECTION



Resumes of Key Personnel

RESUMES OF KEY PERSONNEL



EAC Consulting, Inc.

eacconsult.com

RLI 26-006

Feng Liu, PE

PROJECT MANAGER

29 Years of Experience

Education

MS Civil Engineering, University of Florida

MSE Structural Engineering, Shanghai Jiaotong University

BS Civil Engineering, Shanghai Jiaotong University

Licenses

Professional Engineer: Florida 65738

Certifications

FHWA-NHI-130095A
Fundamental and Structural Analysis for Curved and Skewed Steel Bridge

FHWA-NHI-130095B 20120822
Design and Fabrication of Curved and Skewed Steel Bridges

A/E/C Project Management Bootcamp by PSMJ

Project Management Training by HNTB

Memberships

American Society of Civil Engineers

American Institute of Steel Construction

Awards

Award of Distinction issued by Governor of Florida for design work for FDOT District 6

Summary

Mr. Liu has over 29 years of experience in bridge and infrastructure design, including 22 years in South Florida. He has served as Engineer of Record (EOR) for numerous major bridge projects across Florida. His portfolio includes curved and skewed steel plate girders, curved steel box girders, Florida I and U beams, AASHTO beams, CIP flat slabs, and Florida slab beam (FSB). He specializes in complex bridge design (Category 2 steel and concrete), 3D modeling and analysis, bridge rehabilitation and strengthening, plan and permit reviews, shop drawing reviews, PD&E studies, design-build RFP preparation, and bridge load rating and inspection. He also has experience in building structural inspection and assessment, including fire-damaged structures. Mr. Liu spent over 10 years as an in-house consultant with FDOT District 6, supporting multiple five-year districtwide structures contracts and is highly familiar with D6 standards and practices. His work also includes miscellaneous structures such as retaining walls, culverts, overhead sign structures, custom drainage and signal supports, and railroad canopies. As a Project Manager, he has led the preparation of work plans, staffing, budgets, and schedules; coordinated with multidisciplinary teams and owners; managed comment resolution; and prepared Task Work Orders and invoices for FDOT Districts 4 and 6.

Hillsboro Marina Seawall Replacement

CLIENT City of Pompano Beach | ROLE Structural Engineer

This project entailed the replacement of 75 feet of seawall in an active fishing fleet marina. The scope of work was to perform a study and underwater assessment of the remaining portion of wall to establish a baseline for future reference, design the replacement for the damaged segment of wall, and perform construction administration services for this project.

Venetian Causeway

CLIENT Miami-Dade Department of Transportation and Public Works (DTPW) | ROLE Bridge Lead Engineer/Assistant Structure Manager

This \$212 million project encompasses the replacement of 11 fixed bridges and one bascule bridge on the Venetian Causeway over the Intracoastal Waterway (ICWW), which are listed on the National Register of Historic Places (NRHP). It also includes a temporary bridge. The typical fixed-span bridges consist of prestressed arch beams that are simply supported and made continuous for live load and superimposed dead load over three spans. To improve long-term performance, stainless steel prestressing strands and Fiber Reinforced Polymer (FRP) reinforcement are used in the prestressed beams. The substructure incorporates non-redundant 4-foot-diameter drilled shafts, stainless steel reinforcement in the end and interior bent caps, and FRP interface reinforcement between drilled shafts to enhance structural performance and resist corrosion in an extremely aggressive marine environment. Mr. Liu was responsible for various quality control (QC) checks for the final design, including arched prestressed beam service checks, shear blocks and bridge tie-downs for coastal wave loading, bridge end and interior diaphragms, Midas Civil grid models for bridge analysis, and overall QC of bridge plans. Additional responsibilities included the design of the temporary utility hanger system, riprap protection, and preparation of rebar lists for both the superstructure and substructure. He is currently overseeing bridge design and coordinating with multiple disciplines for the 90% submittal. The bridges were designed to allow future jacking to raise them in response to sea-level rise.

Feng Liu, PE

PROJECT MANAGER

WB SR 924 Ramp over SR 821 (HEFT), US 27, & Miami Canal

CLIENT Greater Miami Expressway Agency (GMX) | ROLE Bridge Design Engineer

Responsible for the final superstructure design of Bridge 1 (WB/SB) and QC checks of superstructure designs of Bridge 2 (EB/NB). The superstructure designs encompassed Unit 2 of Bridge 1 (total length of 972'-0"), consisting of two (2) curved steel box girders of continuous 4-span (234'-0", 347'-0", 119'-0", & 192'-0"), supported on hammerhead piers founded on precast/prestressed concrete piles. The CSiBridge program was used in the analysis and design of the curved steel box girders, and the reactions of dead load and live load from CSiBridge were utilized for the designs of substructures and foundations, accounting for the effects on load distribution between girders due to bridge curvature and the stiffness of cross frames and diaphragms of the steel bridge. The QC for Unit 2 of Bridge 2 (total length of 665'-4"), consisting of two (2) curved steel box girders of continuous 3-span (317'-0", 184'-4", & 164'-0"), included independent CSiBridge model checks to validate the design results.

Districtwide Structural Projects Design and Review Consultants

CLIENT FDOT District 6 | ROLE Bridge Lead Engineer

Responsible for review of plans including Category 2 bridges, walls, miscellaneous structures, permit, PER, and CSI at home office; In-house consultant at District 6 responsible for bridge load rating, bridge rehabilitation design, review of plans/shop drawings/permit/scope/Technical Memo, design and QC of walls and miscellaneous structures.

GGI SR 7 over I-95 and Ramp U Bridge

CLIENT FDOT District 6 | ROLE Lead Bridge Engineer/ Project Manager

Lead Bridge Engineer and PM for the final design of the bridge, MSE walls, and combination walls. This bridge is a 3-span (102.82 feet, 92.31 feet, and 105.90 feet) concrete bridge with complex geometry, including severe skew, curved alignment, and splayed beam layout. The combination walls include steel pipes and sheet piles with concrete fascia along with custom-designed framing to accommodate drainage structures.

SR 9/I-95 at Gateway Boulevard Interchange

CLIENT FDOT District 4 | ROLE Lead Structural Design Engineer

Responsible for the design of bridge superstructure consisting of steel plate girder and FIB and substructure of end bents and an intermediate pier, including phase construction and erection sequence. This unique project converts an existing grade-separated Tight-Diamond Interchange (TDI) into a geometrically complex grade-separated Single Point Urban Interchange (SPUI). The project encompasses a bridge widening over SFRC and the replacement of the existing bridge over I-95 (2-span at 105.25 feet and 108.75 feet) with a continuous 2-span steel plate girder bridge that has complex bridge geometries which requires a complex framing plan and a combination of straight girders along the direction of Gateway and curved fascia girders along with severely skewed girders at the ramps. The project also encompasses a complex bridge construction sequence, reconstruction of the existing MSE walls that require strengthening to keep stability during the bridge replacement, and MSE walls reconstruction. (07/2018 – 8/2024)

NW 17th Avenue over Miami River PD&E Study

CLIENT DTPW | ROLE Engineer of Record/Assistant Structure Manager

Responsible for evaluating the existing bridge conditions and developing conceptual bridge designs for the fixed spans of the bascule bridge and the flyover at NW 17th Avenue, as well as developing typical bridge sections. Responsibilities also included preparing a pre-engineering report, overseeing conceptual bridge design, and coordinating with other disciplines. (8/2024 – current)

I-49 From Highway 22 to I-40 at Alma

CLIENT Arkansas DOT | ROLE Senior Bridge Engineer

Responsible for the QC checks of the final bridge superstructure designs for 12 bridges consisting of steel plate girders with complex framing, including curved and skewed alignment and varied number of girders, supported by substructures with piers founded on drilled shafts. The QC checks encompass CSiBridge models of steel bridges and the complete steel superstructures designs, including cross-frames/diaphragms, connection/stiffener plates, shear studs, girder splices, gusset plates, and bearing plates.

Kuo Tin “K.T.” Lin, PE, PhD

PRINCIPAL-IN-CHARGE

45 Years of Experience

Education

PhD Civil Engineering,
University of Miami
MS Civil Engineering, University
of Miami
BS Civil Engineering, National
Taiwan University

Licenses

Professional Engineer:
Florida 41081
California 49346

Summary

Mr. Lin has 45 years of experience in Bridge Structural Analysis and Design, including 36 years of local experience. His expertise includes structural analysis and design for a wide variety of bridge structures, including concrete and steel grade separation structures, water crossing and viaduct structures, and segmental concrete bridges. He is familiar with the AASHTO, ACI, and AISC design codes, and local and state criteria.

Hillsboro Marina Seawall Replacement

CLIENT City of Pompano Beach | ROLE Structural Engineer

This project entailed the replacement of 75 feet of seawall in an active fishing fleet marina. The scope of work was to perform a study and underwater assessment of the remaining portion of wall to establish a baseline for future reference, design the replacement for the damaged segment of wall, and perform construction administration services for this project.

Port of Miami North Cruise Blvd. Extension Phase III

CLIENT PortMiami | ROLE Structural Engineer of Record

Engineer of Record for structural design of a two span continuous curved steel plate girder bridge with a skew angle of approximately 40 degrees. Weathering steel Grade 70W is utilized for the girders, which will be painted due to aggressive coastal conditions. To achieve cost saving and minimize impact to existing cruise terminals, augercast piles are proposed using FDOT developmental specifications. Due to complexity of the bridge, refined structural methodology using grid analysis was performed

District-Wide Structures Design and Plans Review

CLIENT FDOT District 6 | ROLE Project Manager

Project Manager for plans and shop drawings review, as well as structural design and plan preparation for bridges and highway related structures.

Golden Glades Interchange, Segment 4, Bridge 4

CLIENT FDOT District 6 | ROLE Lead Structural Engineer

Lead Structural Engineer for the design of a steel girder bridge, consisting of 2 units of continuous steel plate girders supported on piers with drilled shaft foundation. The bridge is highly skewed and slightly curved. Refined analysis using MIDAS software has been performed for the bridge design.

District-Wide Load Rating of Bridge Structures

CLIENT FDOT District 6 | ROLE Project Manager

Project Manager for a district-wide load rating, including EV load rating, of a wide range of existing concrete and steel bridge structures. Both approximate analysis method using AASHTO formula and refined structural analysis were performed.

General Engineering Consultant Plans Review

CLIENT Greater Miami Expressway Agency | ROLE Structural Task Manager

Structural Task Manager for plans review and technical support for the construction of GMX's 5 year \$500m+ work program. Technical responsibilities included plan and design review of the

SR 826/SR 836 Interchange Design-Build project comprising 50 plus bridges consisting of 4 segmental concrete box bridges, a number

Kuo Tin “K.T.” Lin, PE, PhD

PRINCIPAL-IN-CHARGE

of steel plate girder bridges, and numerous FIB bridges. Review of the segmental bridges included shop drawings, erection manuals and analysis, and construction issues

Miami Station Rail Infrastructure and Rail Viaduct, Virgin Trains US-Florida

CLIENT Virgin Trains US-FL | ROLE Project Manager and Engineer of Record

Project Manager and Engineer of Record for structural design and post-design of the rail infrastructures at the Miami Station. The elevated guideway structures were designed to support AAF and TRL (Tri-Rail) passenger trains approximately 50 feet above grade. The rail structures was structurally integrated with the new MiamiCentral station facility. A vibration isolation bearing system was utilized to support the rail structures so that the vibration would be isolated at the bearing and not spread into the station structures to eliminate any effect of vibration from the trains. Florida U-beams and FIB were considered for the superstructure; FIB was selected in the final design for its economic advantages. The foundation system was based on 24” augercast piles. One highlighted architectural feature of the pier consists of six inclined columns framed both transversely and longitudinally that provides both aesthetics and open space for the station entrance. Key design forces for the piers include gravity loads, train tracking and braking forces, as well as rail-structure interaction.

SR 826 Palmetto Expressway Segment 2

CLIENT FDOT District 6 | ROLE Lead Structural Engineer

Lead Structural Engineer responsible for the EB and WB bridges over 67th Ave, which accommodate a SPUI under the bridges. The superstructure consists of FIB and the substructure consists of Inverted pier cap with post-tensioning.

Design-Build Districtwide Thirteen (13) Dynamic Message Sign (DMS) Replacement in Miami-Dade County

CLIENT FDOT District 6 | ROLE Project Manager

Project Manager for the design and post-design services of thirteen (13) Dynamic Message Signs (DMS) replacement for the district. Project responsibilities included all structural connection that should match the existing conditions, utilities coordination, and permitting application such as FDOT District 6 and Florida’s Turnpike Enterprise, Miami-Dade County Public Works, as well as any City or County agency within the vicinity of the project limits. The project also included complex MOT, lane closure analysis, and sequence of construction to ensure the safety of the traveling public.

Tamiami Trail/SR-90, Miami-Dade County

CLIENT US Army Corp | ROLE Structural Engineer of Record

Structural Engineer of Record for the design of a 1-mile long bridge. The bridge has a typical span of 80 feet, with a superstructure utilizing AASHTO Type IV beams and a substructure consisting of and 24 inch square pre-stressed concrete piles. The project was designed on an accelerated schedule and completed in 6 months. Post-design services included shop drawings review, RFI, and construction assistance. Reference: Gwendolyn Nelson, P.E. Phone: (904) 232-1629 Start/End Dates: 2007-2008

SR-429/CR-437A Miscellaneous Structure, Orange County, FL

CLIENT Orlando County Expressway Authority | ROLE Quality Control

Quality control of varied structures design and plan preparation for SR 429/CR437A. Project included the design of 4 cantilever sign structures, 5 span overhead sign structures (one of them has a long span of 214 ft. that required special design), MSE wall Mounted signs and 2 bridge mounted signs. In addition, it included 3 MSE walls, 2 critical temporary walls, 4 anchored sheet pile walls, 3 sheet pile walls and a CIP wall. Also provided the post design services that included review of redesign of walls, and review of shop drawings of MSE walls and sign structures.

Chun Li, PE

LEAD BRIDGES/STRUCTURES

33 Years of Experience

Education

MS Structural and Foundation Engineering, University of Central Florida
MS Geotechnical Engineering, Zhejiang University
BS Civil Engineering, Zhejiang University

License

Professional Engineer:
Florida 63052

Summary

Mr. Li has 33 years of structural engineering experience. He has extensive experience in bridge and building structural design. His experience includes pedestrian bridges, interchanges, concrete bridges, segmental bridges and steel bridges. He is conversant with design codes such as American Association of State Highway and Transportation Officials (AASHTO), American Concrete Institute (ACI), American Institute of Steel Construction (AISC); with design methods such as allowable stress design, load factor design and load and resistance factor design; and with MicroStation.

SR-5/US1 from South Street to Magnolia/Shangri-La Drive

CLIENT Florida Department of Transportation District 4 | ROLE Quality Reviewer

Quality Reviewer for design of foundations and approach slabs of two pedestrian bridges, box culvert extension, and post-design services. One feature of the design is aluminum prefabricated truss bridges are recommend to FDOT for the two pedestrian bridges across the creek, and technical special provisions of aluminum prefabricated truss bridges were prepared, since these are the first aluminum pedestrian bridges used in FDOT projects. Reference: Leonel Cortes, PE, Phone: 386-943-5408. Length of Corridor: 42773 ft. Start/ End Dates: 2015 - 2016.

Snake Creek Pedestrian Bridge

CLIENT City of North Miami Beach | ROLE Structure Design Engineer

The new pedestrian bridge crossing the Snake Creek (C-9) Canal at Challenger Park in North Miami Beach replaced a timber structure that was decades old and in dire need of repair. So much so, that the timber structure was closed to traffic for a number of months before its demolition. Assessed the costs of repairing and continued maintenance versus replacing. The economics overwhelmingly proved that replacement would be in the City's best interest. Mr. Li served as Structure Design Engineer and involved in the preliminary concept design and the final design of geometry, pile bent foundation.

District Wide Load Rating of Bridge Structure

CLIENT Florida Department of Transportation District 6 | ROLE Project Engineer

The project includes load rating of multiple of district wide existing bridge structures with prestressed concrete beam, prestressed concrete slab, steel girder or reinforce concrete slab. Mr. Li served as the Project Engineer and was responsible for the overall load rating. Reference: Giuseppe A. Noto, PE, Phone: 305-470-5438. Start/End Dates: 2015-current.

SR-7/NW 5th Street Bridge Replacement over the Miami River

CLIENT Florida Department of Transportation District 6 | ROLE Project Engineer

The project includes one 150' bascule bridge, one 34' approach span at each end with CIP concrete slab, four MSE walls and one seawall around the bridge. Mr. Li served as the Project Engineer and was responsible for the overall design of the approach spans, the MSE walls and the seawall. He designed the MSE walls and the seawall and performed QC for the approach spans structure components. Reference: Jose Barrera, PE, Phone: 305- 470-5260. Start/End Dates: 2005-2007.

Chun Li, PE

LEAD BRIDGES/STRUCTURES

I-95 HOV Summit Blvd Widening

CLIENT Florida Department of Transportation District 4 | ROLE Structure Design Engineer

Mr. Li served as Structure Design Engineer on this project. Structural Engineering services were provided for the Bridge Development Report and design for the inside widening of two bridges on I-95, in Palm Beach County. AASHTO prestressed beams are being added, the end bents are being extended, and the column piers are being extended. The substructures will be supported on driven prestressed concrete piles. Reference: John Danielsen, Phone: 954-777- 4644. Start/End Dates: 2001- 2003.

Miami-Dade Expressway Authority Transportation Improvement Program

CLIENT Miami-Dade Expressway Authority (MDX) | ROLE Structure Design Engineer

The project consists of concept design of multi-level interchanges with more than 50 bridges with complex geometry and numerous retaining walls. Type of bridges varies from AASHTO concrete beam bridges to curved steel box and steel plate girder bridges and concrete segmental bridges with a maximum span length of 280 feet. The project requires close coordination with numerous disciplines and agencies. The Load-And-Resistance Factor Design will be used in this project. As part of Dade Transportation Consultants (DTC) joint venture, Mr. Li served as Structure Design Engineer and involved in the concept design, preparation of Request for Proposals (RFP) and Design-Build packages, final plans and shop drawings reviews of all structures in the MDX highway system improvement program. Reference: Alfred Lurigados, PE, Phone: 305-637-3277. Start/End Dates: 2002- 2005.

SR-436/SR528 Interchange Improvement

CLIENT Orlando Orange County Expressway Authority | ROLE Structural Design Engineer

Structural Design Engineer had responsibilities that include varied structures design and review for SR 436/SR 528 Interchange Improvement includes design of cantilever sign structure, span sign structure, high mast, special foundation for light pole, CIP retaining wall, box culvert and checking exiting mono-tube sign structure strength and drilled shaft strength. Reference: Joseph Berenis, Phone: 305-637-3277. Length of Corridor: 1 mile. Start/End Dates: 2002 – 2005.

Maitland Boulevard Extension-Ramp EG over 437A

CLIENT Orlando Orange County Expressway Authority | ROLE Project Engineer

Project Engineer responsible for reviewing bridge geometry and structure design of pre-stressed concrete U Beam, cast in place concrete deck, end bent and pile. This bridge consists of 120 ft single span with Florida U Beam. The bridge is located on a spiral curve with skew. Reference: Joseph Berenis, Phone: 407-316-3800. Length of Corridor: 120 ft .Start/End Dates: 2002 – 2002.

Bridge Widening SR-417 over Moss Park Road

CLIENT Orlando Orange County Expressway Authority | ROLE Structural Design Engineer

Structural Design Engineer responsible for design and plan preparation for MSE wall along the roadway and surround the bridge. Reference: Joseph Berenis, Phone: 407-316-3800. Length of Corridor: 1 miles. Start/End Dates: 2003 – 2005.

Fort Lauderdale-Hollywood International Airport Consolidated Rental Car Facility

CLIENT Broward County Aviation Department | ROLE Project Engineer

The structure is a 1300' 22 span concrete bridge. Mr. Li designed the geometry, Piers and foundation. He also performed the APM study that evaluated options for incorporating the automated people mover (APM) Structure into the design and construction of the busway structure. The upper deck superstructure consists of AASHTO Type III and IV beams placed transversely between the supporting edge beams. The edge beams were designed for torsion. A portion of the upper deck was designed to accommodate a pedestrian walkway crossing the upper deck. The upper deck going over the pedestrian walkway was supported by the post-tensioned concrete girders. Reference: Joseph Duarte, P.E. Phone: 954-359-6156 Start/End Dates: 2002 – 2005

Dinesh Dagly, PE

QA/QC

53 Years of Experience

Education

MS Civil Engineering,
Wayne State University

BS Civil Engineering, Sardar
Patel University, India

Licenses

Professional Engineer: Florida
29386

Memberships

American Society of Civil
Engineers - Life Member

Summary

Mr. Dagly, has over 53 years of experience in structural design related to highway bridges, as well as elevated and underground mass transit structures. He has many years of experience working in FDOT projects involving preparation of specifications package, post design services including construction support, PD&E Studies and others. Mr. Dagly's bridge design experience includes different types of bridges such as segmental, concrete and steel.

MDX 836-11, Design-Build SR-836, I-395 and I-95 Southbound to SR 836 Westbound

CLIENT Miami-Dade Expressway Authority (MDX) | ROLE Senior Structural Engineer

This major project Consists of 19 bridges, new and widening, that includes proposed Viaduct over 100 feet high above the Miami River and integration of SR -836 to existing Interchange I - 95 and I 395. For this on going Project, Mr. Dagly is responsible for review of Design submittals, at 90 %, 100 % and Final for the MDX portion of SR -836. Mr. Dagly will also review post Design service including shop drawings, construction related field issue & RFI etc. Estimated cost; \$ 200 million, Length of Corridor: 1.37 miles lower and upper level each.

Design Build of Hard Rock Stadium Renovation Pedestrian Bridges and Ramp MSE walls

CLIENT City of Miami Gardens | ROLE Senior Structural Engineer

As part of the Design Team, Mr. Dagly prepared lay out of Pedestrian Bridges and Ramps MSE wall over NW 199th Street as well as over Florida turnpike Access Road. These pedestrian bridges will eliminate traffic congestions and provide easy access to Hard Rock Stadium and will be ready before 2020 Super bowl which was held in this stadium. Construction cost: 15 million.

Design-Build SR836 Operational, Capacity and Interchange Improvements from West of NW 57th Ave to 17th Ave

CLIENT Miami-Dade Expressway Authority (MDX) | ROLE Senior Engineer

This major project construction cost was over \$ 150 million consisted of over 30 bridges, new and widenings at 9 intersection Roads and Canal crossings. As Senior Engineer was responsible of structural plan review at various stages including Alternate Technical concept (ATC), Technical Proposal plan, and submittal levels at 60 %, 90 % 100 % and Final for the Entire project. Post design services, including, final review of shop drawings, construction related field issues and RFI was be reviewed for the entire project. Project Cost: 59 million

I-95 and Spanish River Boulevard Interchange

CLIENT FDOT District 4 | ROLE Senior Engineer

Senior Engineer responsible for plans preparation for a three (3) level Interchange at Spanish River Blvd. & I-95 in Boca Raton, Fl. This project included the construction of a new interchange, modification of the existing Yamato Road and I-95 interchange, addition of auxiliary lanes from Glades Road to Congress Avenue on I-95 and cross street improvements on Spanish River and Yamato Road. This third level interchange included coordination with Federal Aviation Administration (FAA), Boca Airport, City of Boca Raton, and Florida Atlantic University (FAU). This improvement provides connectivity between FAU, Tri-Rail, and I-95 and relieves daily congestion as well as event traffic generated during events held at the FAU stadium.

Dinesh Dagly, PE

QA/QC

Venetian Causeway PD&E Study

CLIENT FDOT District 6 | *ROLE* Senior Structural Engineer

Senior Structural Engineer responsible for the Project Development & Environment (PD&E) study to examine the potential replacement or rehabilitation of the twelve existing bridges (ten low-level fixed spans and two movable bascules) along the Venetian Causeway from North Bayshore Drive to Purdy Avenue. The Venetian Causeway bridges were originally built in 1926 and have been designated as historic landmarks by the City of Miami and City of Miami Beach; they are also listed on the National Register of Historic Places (NRHP). The causeway bridges are mainly short span reinforced concrete arch beam bridges. Each bridge section consists of two 12' travel lanes with 4' bike lanes and 4' sidewalks on each side. Project requirements include the inspection of the bridges, engineering reports, environmental documents, a Section 4(f) document and preliminary plans. Improvements include the possible replacement or rehabilitation of the functionally obsolete structures based on the latest criteria and standards. Extensive public involvement efforts were performed as part of this study. The PD&E study considered alternatives that would satisfy the public; protect the environment; be sensitive to the historic designation and result in bridges that are safe, maintainable and serve the needs of the public.

NW 25th Street from NW 89th Ct. to SR 826

CLIENT FDOT District 6 | *ROLE* Lead Engineer

As lead engineer, prepared Proposed Cost saving Initiative (CSI), final design and construction plans for Astaldi Construction, General Contractor. Consisted of concrete pile panels system Bulkhead wall located north side of NW 25th Street along existing canal. The original plans called for bulkhead wall consists of up to 18 feet high cantilever/anchored steel sheet pile wall. FDOT approved this CSI and was installed.

I-595 Reversible Lanes Design-Build Project

CLIENT FDOT District 4 | *ROLE* Structural Engineer

Responsible for the structural design efforts on Sections 1, 2, and 4, as well west toll gantry site plan. This is a Public/Private Partnership between ACS/Dragados and the Florida Department of Transportation that included design-build, toll lanes, and an accelerated schedule.

Ft. Lauderdale/Hollywood International Airport Interchange

CLIENT BCAD | *ROLE* Structural Engineer

Design-Build project with PCL Civil Constructors for the Ft.-Lauderdale-Hollywood International Airport Interchange Provided design, shop drawings review and construction assistance of a this directional interchange which has six precast segmental concrete box girder bridges totaling 1.5 miles, deconstruction of three existing segmental bridges. I prepared complete 'as-built' plans consisting of more than 1000 sheets of structural plans. This project received 2004 Engineering Excellence "HONOR Award" by American Council of Engineering Companies and 2004 Portland Cement Association Bridge Design Award of Excellence.

Port of Miami / Dodge Island Bridge

CLIENT FDOT 6 | *ROLE* Project Engineer

Project Engineer providing Design & construction assistance and shop drawing review. Performed a variety of planning and design services, included special architectural lighting for the Port of Miami Bridge and the Macarthur Causeway bridges, high-mast lighting, transformer vault, reefer lot and tunnel concept to the POM. This project received Excellent in Highway bridge design from Federal Highway Administration in 1994 and several architectural lighting awards.

Modification to existing Pedestrian Bridge

CLIENT FDOT District 6 | *ROLE* Structural Engineer

Located at the crossing of Red Road, US 27/ Okeechobee road and W. 9th Street, Miami Springs, Florida. The pedestrian bridge serves primarily students attending Miami Spring High School located from Okeechobee Road side that has Okeechobee Road and Miami Canal crossing. The pedestrian bridge consists of concrete beams and cast in place deck with full enclosure fence/railing combination complying with ADA requirements for ramp and railings. Mr. Dagly was in charge of the Design. Modification was carried out in 1997.

Francis Bain, PE

LEAD SPECIALTY ENGINEERING SERVICES

19 Years of Experience

Education

MS Civil Engineering-Florida
International University

Licenses

Professional Engineer:
Florida 76197
Georgia 40364
North Carolina 42482

Memberships

American Society of Civil
Engineers
Chi Epsilon honor society
National Society of Black
Engineers

Certifications

FDOT Approved Specialty
Engineer
FHWA-NHI-130101
Introduction to Safety Inspection
of In-Service Bridges

Skills

RISA 3D, Connection, Section
PYWALL
LPILE
SAFE
SAP 2000
RAM Concept
PCA
ETABS
HB Pile
AutoCAD/Autodesk

Summary

Francis is an accomplished specialty engineer with extensive experience in analyzing and designing complex structural systems for large-scale infrastructure projects. His contributions to iconic developments include Miami's Signature Bridge, the Howard Frankland Bridge in Tampa, and the Port of Miami Tunnel. He is skilled in project management, holds a master's degree in civil engineering, and is proficient in industry-leading software.

Signature Bridge, Miami

CLIENT Archer Wester - DeMoya Joint Venture / ROLE Specialty Engineer

The Signature Bridge in downtown Miami is the feature structure of a larger bridge project aimed at modernizing infrastructure and improving traffic flow and safety. The project begins west of the Miami River, with an elevated deck supported by bents positioned between the existing roadways and ends with the Signature Bridge to the east. Francis analyzed and designed beam bracing, shoring towers, and cofferdams. He was also responsible for testing and certifying inserts that support lighting and various attachments on the façade of the Signature Bridge arches.

Howard Frankland Bridge, Tampa

CLIENT Archer Western – Traylor Brothers / ROLE Specialty Engineer

The Howard Frankland Bridge, part of Interstate 275, serves as the primary thoroughfare between Tampa and St. Petersburg, Florida. With over 160,000 vehicles crossing daily, it handles the largest volume of traffic between the two cities, where congestion and long travel times had become commonplace. The project involved constructing a new bridge, increasing traffic capacity by adding eight travel lanes. The new bridge includes infrastructure for future light rail. Francis analyzed and designed beam bracing, which was subjected to wind loads from hurricane Milton. Additionally, he designed seal slabs used in the construction of pile caps located in the waters of Tampa Bay.

Port of Miami Tunnel, Miami

CLIENT Bouygues Construction / ROLE Specialty Engineer

The Port of Miami is known as the "cargo gateway of the Americas." Prior to the construction of the Port of Miami Tunnel, trucks serving the port shared roadways with non-commercial vehicles, creating significant congestion in downtown Miami. The tunnel was constructed to divert commercial port traffic away from downtown roadways. The project consists of two parallel tunnels, each 3,600 feet long, extending from the MacArthur Causeway beneath Biscayne Bay into the Port of Miami. Francis designed temporary sheet pile walls and the thrust/raft slab supporting the boring machine at tunnel entrances and exits, as well as the foundations for the spoils conveyor belt, spoils storage area, hoppers and silos. He also analyzed wind loads on various temporary open structures. The project also included widening the MacArthur Causeway bridge. Additionally, Francis designed beam bracing and overhang support for the widening. Due to challenging soil conditions, ground freezing was required to facilitate tunnel boring. Francis designed the "flood doors" and the accompanying steel frames at cross-tunnel access locations, which were tasked with resisting loads from soil and water 120 feet below Biscayne Bay, addressing the thaw load combination.

Francis Bain, PE

LEAD SPECIALTY ENGINEERING SERVICES

Silver Springs State Park Pedestrian Bridge and Boardwalk, Marion County

CLIENT Lambert Bros., Inc. / ROLE Specialty Engineer

The project involved the installation of 760 feet of boardwalk through environmentally sensitive wetlands. Francis conducted a structural analysis on the system, evaluating its exposure to water loads that exceeded the original design limits. His in-depth analysis of the pile embedment and strength determined the need for additional retrofitted bracing. Francis also designed the gantry used to lift the 65-foot-long pedestrian bridge girders.

Ramps H10 & H11, I-75 / Turnpike Ramps, Miami

CLIENT V & M Erector / ROLE Specialty Engineer

The intersection of I-75 and the Florida turnpike in Miami previously lacked sufficient connectors for efficient traffic movement between the highways. The project added new ramps to enhance safe traffic flow at the interchange. Ramps H10 and H11 now connect southbound tolled lanes of I-75 to the southbound Turnpike as well as the northbound Turnpike to the northbound tolled lanes of I-75. The steel box girder bridges feature spans ranging from 185 to 250 feet. Francis analyzed the bridge for stability and strength during all phases of construction, including designing and locating temporary support towers where required.

FPL Lauderdale Plant Dania Canal Pipe Bridge Replacement, Ft. Lauderdale

CLIENT Florida Power & Light Company / ROLE Specialty Engineer

Spanning the Dania Canal, the existing bridge supporting the fuel pipeline from Port Everglades to Florida Power & Light's Ft. Lauderdale power plant had reached the end of its service life. The project involved replacing the obsolete bridge while maintaining the operation of the fuel line. Spanning 179 feet over the canal, Francis analyzed and designed the truss superstructure and reviewed the substructure design to endure stability and functionality.

Master Pump Station 3 Cofferdam, Miami

CLIENT Ebsary Foundation Company / ROLE Specialty Engineer

As part of Miami-Dade County pump station improvement program, Francis designed the 47-foot braced combi-wall cofferdam with an anchored seal, incorporating a concrete junction block at the cross-lot struts.

Brickell CitiCenter, Miami

CLIENT Ebsary Foundation Company / ROLE Specialty Engineer

Brickell City Center is a mixed-use commercial and residential development in downtown Miami, with underground parking. Francis designed the permanent sheet piles for the underground parking garage.

CLIENT John Moriaty & Associates / ROLE Specialty Engineer

The project used a soil mix, which Francis analyzed to establish safe excavation criteria. He also analyzed the removal of the concrete roof at the Metromover Eight Street station. Additionally, Francis modelled the architectural 'climate ribbons' for analysis during lifting and handling.

Dixie Highway Flyover Bridge, Ft. Lauderdale

CLIENT V&M Erectors / ROLE Specialty Engineer

The recipient of multiple awards, including the 2012 Steel Erectors Association Class II and 2013 FICE/FDOT project of the year awards, the Dixie Highway Flyover Bridge is a 1900-foot reverse curve steel box girder bridge that spans over the Hillsborough Canal and a Florida East Coast Railway line. Francis analyzed the bridge for stability and strength during all phases of construction, including designing and locating temporary support towers.



Ricardo Madriz, P.E., LEED AP

Vice President /Sr. Project Manager

PROFESSIONAL EXPERIENCE

Mr. Madriz is the V.P. of Engineering for MUE and brings more than seventeen years of structural engineering practice and skill to the table. He is incredibly knowledgeable in building structures and analysis, the latest software, and current building codes and industry standards.

Ricardo Madriz has experience in the structural design of educational facilities, municipal facilities, high-rise buildings, building restoration, residential buildings, water related structures, office buildings and parking garages.

EDUCATION

Master of Engineering:
McGill University, 2004

Bachelor of Civil Engineering
McGill University, 2002

REGISTRATION

Registered Engineer
State of Florida
Reg. No. PE 68444

BENEFITS FOR THE CITY OF POMPANO BEACH

- 17+ years in professional practice
- Previous working experience with various municipalities in Florida including Broward County, City of Coral Springs, Town of Davie, City of Southwest Ranches, City of Delray, City of Pompano Beach, City of Miami Gardens, City of Lauderdale, City of Tamarac, City of Oakland Park, and City of Boca Raton
- Project Role: Mr. Madriz will oversee the daily project management, ensuring timelines are met, project is moving forward, reviewing project engineers work and answering and solving questions, communicating with the entire design team and final overall structural drawings.
- LEED Certified

RELEVANT PROJECT EXPERIENCE

White Course Park, Doral, Florida-Project Manager. MUE was responsible for the structural design and engineering of a new restroom building, foundation systems for new picnic shelters, foundations for light poles and wayfinding signage, and foundations for pre-engineered playground shade structures.

James Archer Smith Splash Pad, Homestead, Florida-Project Manager. Our role on this project is structural design and engineering related to a new fifty-foot diameter splash pad and aquatic features for the City of Homestead.

McNair Park, Pompano Beach, Florida-Project Manager. MUE is a member of the team for this RFQ. Our scope involves the structural design of a one-story building expansion, a new free-standing restroom and concession building, a new press box structure, picnic shelter and new football goal post foundations.

Kester Park, Pompano Beach, Florida-Project Manager. MUE is a member of the team for this RFQ with the City of Pompano Beach. Our scope involves the structural design of renovations of the existing baseball fields such as dugout modifications and foundations for picnic shelters.

Mills Pond Park, Fort Lauderdale, Florida – Project Manager – MUE's role on this project was the structural design of a new 10'x10' elevated wood observation deck in the park. The project was awarded in 2016 and was completed in 2017.

City Park, Oakland Park, Florida-Project Manager. MUE provided structural engineering services related to improvements and modifications to City Park. Our services included the design of a one-story restroom facility, new one-story storage building, structural design of foundation for light poles, wayfinding signage and pre-engineered playground shade structures.

McTyre Amphitheater, West Park, Florida-Project Manager. MUE provides structural engineering and design services for this project for the City of West Park. The new amphitheater is the first phase of the new McTyre Park Cultural Center, and the public facility will feature dressing rooms and other support areas and will be ADA compliant.

Sunny Lakes Observation Deck, Davie, Florida-Project Manager. MUEngineers, Inc. was involved in the renovation and replacement of a wood observation deck and walkway in the park. MUE provided details and engineering for girders to wood piles, wood joists and connections and post bracing details.

Ocean Cay Marine Reserve, Bahamas-Project Manager/Engineer. Our role for this project was the structural design and engineering of the transformation of an uninhabited Bahamian island to a new private island destination for a prominent cruise line. Roughly 40 different building structures were engineered and designed.

Marina Boat Ramp, Hollywood, Florida-Engineer. MUE designed a new seawall structure in front of and replacing the existing deteriorated seawall structure, as well as structurally engineering an extension of the existing boat ramp. MUE also performed special inspections during the construction of the project

Haulover Park-Seawall Repair, Miami, Florida-Engineer – MUE provided structural engineering services related to the repair procedure and scope for a failed stretch of seawall in Haulover Park.



Marcus Unterweger, P.E., S.I., LEED AP

Principal

BENEFITS FOR THE CITY OF POMPANO BEACH

- 26+ years in professional practice
- Previous working experience with various municipalities in Florida including Broward County, City of Miami, City of Hallandale Beach, City of Aventura, Palm Beach County, City of Lake Park, City of Clewiston, City of Pompano Beach, City of Deerfield Beach, City of Hollywood, City of Coral Springs, Town of Lake Park, City of Delray Beach, and City of Boca Raton
- Project Role: Mr. Unterweger will oversee the project from start to finish. He will represent MUE at meetings, presentations, and/or site visits. He will interact directly with the client, design team and contractors.
- LEED Certified

RELEVANT PROJECT EXPERIENCE

CW Thomas Community Center, Dania Beach, Florida- Principal-in-Charge -A member of the team for this pursuit involving the structural design of a new 14,600sf community and aquatics center including an indoor basketball court, gymnasium, classrooms, offices, locker rooms and kitchen area.

Sawgrass to Seagrass Center, Deerfield Beach, Florida- Principal-in-Charge. MUE is a member of the team for the structural design of a new 17,000sf public facility center in Deerfield Beach. The ground floor features an open parking garage and office spaces, while the second level includes open terrace areas, a new community center and an exhibition space. MUE will provide structural special inspections during the construction phase.

Port Everglades Consolidated Maintenance Facility Building, Hollywood, FL-Principal-in-Charge. MUE provided comprehensive schematic design plans relating to the consolidation of all port maintenance functions, including a gas station and vehicle maintenance facility. The project is now in Phase II aiming for a final set of construction documents for September 2025.

Wildflower Park, Boca Raton, Florida- Principal-in-Charge. MUE is providing structural design services for a new partially open park pavilion structure with enclosed bathrooms and concession area. Additionally, foundation designs for miscellaneous site structures, including light poles, sitting walls and artwork.

Secret Woods Park, Fort Lauderdale, Florida- Principal-in-Charge. MUEngineers, Inc. was involved in the structural design of an elevated wood walkway, deck and two-story observation platform. MUE provided details of precast concrete piles, aluminum C-section girders bolted to the precast concrete piles, and wood truss tie-downs.

Torry Island Seawall & Walkway, Belle Glade, Florida - Principal in Charge – MUE's role on this project was to structurally design a new 800ft long new bulkhead/seawall structure and concrete boardwalk structure. Additionally, MUE engineered foundations and anchor points to secure floating dock structures designed by another company.

Senior Activity Center, Pompano Beach, Florida- Principal in Charge -A member of the team for the City of Pompano Beach for the structural design and engineering related to a new one-story, ~8,472sf senior community center. The building consists of multiple activity rooms, kitchen, laundry facilities, storage rooms, office spaces, restrooms, a gymnasium and reception and lounge areas.

Fort Lauderdale Aquatic Center, Fort Lauderdale, Florida-Principal in Charge. This project involves the complete structural design of a new sea wall, approximately 1,407 feet long, to replace the existing sea wall at the Fort Lauderdale Aquatic Center.

Seawall Assessment and Restoration, Aventura, Florida-Principal-in-Charge. MUE was involved in the restoration of two sections of seawalls located along canals (2.1 miles) for the City of Aventura. During the visual observations, structural assessment of the current conditions of the existing piles, seawall panels and seawall caps were obtained, analyzed and written report of our findings was prepared.

Oyer Park Boat Ramps, Boynton Beach, Florida-Principal in Charge. This project involves the design of a new concrete boat ramp to replace the existing ones, as well as the design of a new pile support for a new floating dock structure.

Yacht Management, Fort Lauderdale, Florida-Principal in Charge. MUE structurally designed a new seawall and apron slab for a new boat haul out well location as well as two new finger piers to support a mobile boat lift.

PROFESSIONAL EXPERIENCE

Mr. Unterweger is the President of MUE. He is a Florida registered professional engineer with over twenty-six years of professional experience. His experience includes the structural design of educational facilities, municipal facilities, high-rise buildings, healthcare facilities, churches, clubhouses, building restoration, office buildings, pedestrian bridges and parking garages.

Marcus Unterweger has owned and operated MUEngineers since 2010, and leads a team of smart, pioneering professionals who share his vision and commitment to delivering superior results for the customers.

EDUCATION

Master of Engineering: Dipl. Ing.
Technical University of Munich,
Germany, 1999

Master of Business,
Business School of Edinburgh,
Britain, 2004

REGISTRATION

Registered Engineer
State of Florida
Reg. No. PE 63860

Registered Special
Inspector/Threshold
Buildings
State of Florida
Reg. No. 7027309

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

American Institute of Steel
Construction

American Concrete Institute

RAJ KRISHNASAMY, P.E.

**President, Principal
Engineer**

**38 Years of Professional
Experience**



Education

MS in Geotechnical
Engineering, University of
Memphis, 1995

BS in Civil Engineering,
Christian Brothers
University, 1987

Diploma Electronic
Engineering, Malaysian Air
Force Institute, 1984

Professional Organization and Registration

Professional Engineer:
Florida, 53567

Water Well Contractor,
Florida, 11346

Certified OSHA Supervisor

Certified Environmental
Consultant

Professional Experience

Mr. Raj Krishnasamy, P.E., President and Principal Engineer of TSFGeo, is a Florida Registered Geotechnical Engineer with more than 38 years of experience. Mr. Krishnasamy oversees the geotechnical engineering, construction materials testing, and inspection services operations. His experience consists of successfully completing over 7,500 public and private projects. He serves as Project Manager for continuing contracts with over 20 Florida public agencies. He has a history of repeatedly retaining those contracts through successful, cost-effective, and prompt execution of each task order. Mr. Krishnasamy's daily involvement with the in-house and field operations of the construction and geotechnical services departments provides him with "hands-on" experience and knowledge of current construction codes and construction practices throughout the State of Florida. Mr. Krishnasamy and his highly experienced team focus on providing the client with a consistently accurate, cost-effective quality product that is delivered on time and within budget.

Relevant Project Experience

Roosevelt Estates Eastside and Golf Avenue, West Palm Beach, Florida. Mr. Krishnasamy was the Principal-in-Charge of the Geotechnical Engineering Services for improvements within Roosevelt Estates. The project consisted of roadway improvements and a pedestrian bridge replacement along Golf Avenue. Provided a geotechnical engineering report which included evaluations and recommendations regarding driven pile axial capacity, lateral load analysis, pile installation, test pile program, construction considerations, monitoring existing structures and flexible pavement.

Seawall Replacement, West Palm Beach, Florida. Mr. Krishnasamy was the Principal-in-Charge of the Geotechnical Engineering Services for the seawall replacement along S Flagler Drive. Provided a geotechnical engineering report which included evaluations and recommendations regarding sheet piles, driven concrete pile axial capacity, groundwater control and protection of existing structures.

25th Street Traffic and Drainage Improvements, West Palm Beach, Florida. Mr. Krishnasamy was the Principal-in-Charge of the Geotechnical Engineering Services for traffic and drainage improvements along 25th Street. Provided a geotechnical engineering report which included a summary of the subsurface investigation.

18th Street between A E Isaacs Avenue and Spruce Avenue, West Palm Beach, Florida. Mr. Krishnasamy was the Principal-in-Charge of the Geotechnical Engineering Services for stormwater improvements along 18th Street between A E Isaacs Avenue and Spruce Avenue. Provided a geotechnical engineering report which included a summary of the subsurface investigation and BHP tests.

36th Street Utility Improvements, West Palm Beach, Florida. Mr. Krishnasamy was the Principal-in-Charge of the Geotechnical Engineering Services for utility improvements along 36th Street. Provided a geotechnical engineering report which included evaluations and recommendations regarding excavations, trench backfill, lateral earth pressures and preconstruction conditions survey.



Relevant Project Experience, continued

Lift Station No. 40, West Palm Beach, Florida. Mr. Krishnasamy was the Principal-in-Charge of the Geotechnical Engineering Services for improvements at lift station No. 40. Improvements consisted of a force main and generator pad. Provided a geotechnical engineering report which included evaluations and recommendations regarding foundations, excavations, trench backfill, lateral earth pressures and monitoring existing structures.

Lift Station No. 3, West Palm Beach, Florida. Mr. Krishnasamy was the Principal-in-Charge of the Geotechnical Engineering Services for improvements at lift station No. 3. Improvements consisted of a force main and generator pad. Provided a geotechnical engineering report which included evaluations and recommendations regarding excavations, trench backfill, lateral earth pressures and monitoring existing structures.

Gramercy Park Community Center, West Palm Beach, Florida. Mr. Krishnasamy was the Principal-in-Charge of the Geotechnical Engineering Services for Gramercy Park Community Center. The project consisted of a single-story community center encompassing approximately 10,000 square feet. Provided a geotechnical engineering report which included evaluations and recommendations regarding site preparation, foundations, floor slabs, utilities and construction considerations regarding excavations.

Dyer Park, West Palm Beach, Florida. Mr. Krishnasamy was the Principal-in-Charge of the Geotechnical Engineering Services for improvements at Dyer Park. Provided a geotechnical engineering report which included evaluations and recommendations regarding site preparation, engineering fill, utilities, construction excavation and dewatering.

Westgate Park, West Palm Beach, Florida. Mr. Krishnasamy was the Principal-in-Charge of the Geotechnical Engineering Services for improvements at Westgate Park. Provided a geotechnical engineering report which included evaluations and recommendations regarding site preparation, engineering fill, utilities, construction excavation and dewatering.

Mast Arm at Fire Station 22, West Palm Beach, Florida. Mr. Krishnasamy was the Principal-in-Charge of the Geotechnical Engineering Services for traffic signal mast arms at Fire Station 22. Provided a geotechnical engineering report which included evaluations and recommendations regarding traffic signal mast arms.

Fire Station No. 4, West Palm Beach, Florida. Mr. Krishnasamy was the Principal-in-Charge of the Geotechnical Engineering, Construction Material Testing and Special Inspection Services during the design and construction phases for the new West Palm Beach Fire Station 4. The project consisted of the construction of a new two-story fire station following demolition of the existing structure. Provided a geotechnical engineering report which included a summary of the subsurface investigations and recommendations regarding previously done geotechnical work. During construction, TSFGeo provided concrete sampling. A Certified Building Inspector observed reinforcing steel in foundations, slabs, masonry walls, beams, erection of truss connections, roof sheathing/decks (welds), columns and inspections.

Northwest Cultural Trail and Styx Alley, West Palm Beach, Florida. Mr. Krishnasamy was the Principal-in-Charge of the Geotechnical Engineering Services for the Northwest Cultural Trail and Styx Alley. The Styx Promenade project included the redevelopment of several buildings reminiscent of the shotgun-style homes, once seen throughout the area, into mixed-use concepts such as salons and spas, health and wellness, boutiques, and restaurants, which is adjacent to the newly constructed Styx Promenade Roadway. Provided a geotechnical engineering report which included evaluations and recommendations regarding permanent cut and fill slopes, excavations, groundwater control, pavement design considerations, and on-site soil suitability.



JON WEYMOUTH, PE

Director of Construction Services



EDUCATION

1990
BS, Architectural Engineering,
University of Miami

YEARS OF EXPERIENCE

Industry: 36
KEITH: 15

PROFESSIONAL REGISTRATIONS

Professional Engineer, 52802, 1998

SFRTA Contractor Safety Training

Qualified Florida Construction
Stormwater Management Inspector

Temporary Traffic Control
Certification, Intermediate, 75781

Temporary Traffic Control
Certification, Advanced, 81960

OSHA 10-Hour Safety Training

CTQP Quality Control Manager

PROFILE

Jon Weymouth has nearly four decades of experience in the design, permitting and construction of heavy transportation projects. Past projects include the completion of five segmental bridges at FLL to accommodate the rapid growth of the airport. He performed lead field representative services for the new FLL 9L-27R South Runway Expansion project constructed with FAA and FDOT funding (and per the FAA specifications). Jon also served as the owner's representative subconsultant for the new water main within the PBI airfield operations area. Additional projects include working at MIA as the lead field representative for the apron replacement for the American Airlines (AA), which entailed the removal and reconstruction of the high mast electrical system, oil-water/drainage system, and entire concrete/asphalt pavement sections within the active AA maintenance facility. At FLL, Jon coordinated with field representatives for the airside build-out of Terminal 2 for Delta Airlines and Terminal 3 for JetBlue. These terminal modernization projects included constructing sterile corridors between the terminals.

RELEVANT PROJECT EXPERIENCE

Architectural and Structural Engineering Services, Pompano Beach, FL: Project Manager. KEITH provided civil design and construction engineering inspection services. Properties included a portion of the Aquatic Center, Community Park, and Sandspur Park. Services included design development and construction documents. KEITH also provided construction observation, civil site, utility design, site plan preparation, landscape architecture, and permitting assistance.

Pier Parking Garage, Pompano Beach, FL: Project Manager. The parking garage includes five stories, 662 parking spaces, speed ramp to facilitate access to higher levels of the garage and some retail space. As part of the design-build team, as subconsultant, KEITH was responsible for planning, survey, utility coordination, civil engineering, landscape design, permitting, and construction inspection. Our professional services included extensive community and municipal outreach.

Charlotte Burrie Civic Center, Pompano Beach, FL: Project Manager. KEITH, under its continuing services contract with the city, and as subconsultant, assisted the Client in developing a KEITH Campus project that includes 8,712-SF of multi-purpose spaces for civic, social, and recreational activities, lobby area, reception, administrative offices, conference rooms, 250-seat assembly hall, a fixed platform stage, kitchen, and storage, as well as easy pedestrian ADA-compliant access, a porte-cochère entrance, 48 vehicular and 20 bicycle parking spaces. KEITH provided full services to the Client including civil engineering, permitting, landscape architecture, and construction administration and coordination for the new LEED v4 certified building.

North Campus Bridge Repair, Coconut Creek, FL: Project Manager. KEITH assisted the Client with a KEITH Access project including engineering services and construction documentation that reported on the condition of the existing NW 39th Avenue Bridge. This included The Critical Safety Repairs and Intermediate Repairs to the existing bridge. KEITH provided civil engineering, survey, and construction program management services to the Client.

Annex Building Addition, Plantation, FL: Project Manager. KEITH, under its continuing services agreement with the City, assisted the Client in developing a KEITH Campus project including a stand-alone one-story annex building consisting of approximately 4,200-GSF. KEITH provided services to the Client including owner's representation and construction management. The KEITH Team assisted the Client in architect coordination, permitting, construction value, scheduling, shop drawings, as-builts, field visits, final certifications, and project close-out.

Office Locations

OFFICE LOCATIONS



EAC Consulting, Inc.
eacconsult.com

RLI 26-006

OFFICE LOCATIONS			
Firm Name	Local Office Location(s)	# of Professional Staff	# of Administrative Staff
Prime Consultant			
EAC Consulting, Inc.	Broward County Office (Responsible Office) 5100 NW 33rd Avenue, Suite 243 Fort Lauderdale, FL 33309 Miami-Dade County Office 5959 Waterford District Drive, Suite 410 Miami, FL 33126 Palm Beach County Office 1601 Belvedere Road, Suite 205 West Palm Beach, FL 33406	32	19
Subconsultants			
Brizaga, Inc.	Broward County Office 2101 W Commercial Blvd, Suite 4600 Fort Lauderdale, FL 33309	5	5
Keith & Associates, Inc.	Broward County Office 301 E Atlantic Blvd Pompano Beach, FL 33060	118	18
MUEngineers, Inc.	Broward County Office 3440 NE 12th Avenue Oakland Park, FL 33334	10	1
RES Florida Consulting, LLC	Broward County Office 312 SE 17th Street, Suite 200 Fort Lauderdale, FL 33316	28	3
Tierra South Florida, Inc.	Palm Beach County Office 2765 Vista Parkway, Suite 10 West Palm Beach, FL 33411	43	6



City Forms

CITY FORMS



EAC Consulting, Inc.
eacconsult.com

RLI 26-006

LOCAL BUSINESS EXHIBIT "A"
CITY OF POMPANO BEACH, FLORIDA
LOCAL BUSINESS PARTICIPATION FORM

Solicitation Number & Title: Continuing Contract for Professional Structural Engineering Services RLI 26-006 Prime Contractor's Name: EAC Consulting, Inc.

Name of Firm, Address	Contact Person, Telephone Number	Type of Work to be Performed/Material to be Purchased	Contract Amount or %
Brizaga, Inc 2101 W. Commercial Blvd, Suite 4600 Fort Lauderdale, FL 33309	Jay Marhefka 954-834-3533 ext. 110	Grant Writing Public Involvement	TBD
Keith and Associates, Inc. 301 E Atlantic Boulevard, Pompano Beach, FL 33060	Paul Weinberg 954-788-3400	Survey/SUE CEI	10%
MUEngineers, Inc. 3440 NE 12th Avenue, Oakland Park, FL 33334	Mieka Rogers 954-324-4730	Building Structures Specialty Engineering Services	TBD
RES Florida Consulting, LLC 312 SE 17th Street, Suite 200, Fort Lauderdale, FL 33316	Carolyn Foster 689-240-6302	Environmental Services	TBD
Tierra South Florida, Inc. 2765 Vista Parkway, Ste. 10, West Palm Beach, FL 33411	Bonni Funt 561-687-8536 ext. 106	Geotechnical Engineering	TBD

LOCAL BUSINESS EXHIBIT "A"

LOCAL BUSINESS EXHIBIT "B"
LOCAL BUSINESS
LETTER OF INTENT TO PERFORM AS A LOCAL SUBCONTRACTOR

Solicitation Number 26-006

TO: EAC Consulting, Inc.
(Name of Prime or General Bidder)

The undersigned City of Pompano Beach business intends to perform subcontracting work in connection with the above contract as (check below)

 an individual

 X a corporation

 a partnership

 a joint venture

The undersigned is prepared to perform the following work in connection with the above Contract, as hereafter described in detail:

Survey, SUE and CEI services

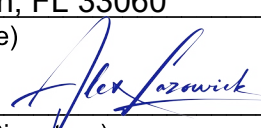
at the following price: 10%

d 12/18/2025
(Date)

Keith and Associates, Inc.
(Print Name of Local Business Contractor)

301 E Atlantic Boulevard
(Street Address)

Pompano Beach, FL 33060
(City, State Zip Code)

BY: 
(Signature)

IMPORTANT NOTE: Signatures on this form MUST be by an authorized employee of Subcontractor and must be uploaded to the Response Attachment Tab

LOCAL BUSINESS EXHIBIT "B"

Not applicable

LOCAL BUSINESS EXHIBIT "C

LOCAL BUSINESS
UNAVAILABILITY FORM

BID # _____

I, _____
(Name and Title)

of _____, certify that on the _____ day of

_____, _____, I invited the following LOCAL BUSINESSES to bid work items to be performed in the City of Pompano Beach:

Business Name, Address	Work Items Sought	Form of Bid Sought (i.e., Unit Price, Materials/Labor, Labor Only, etc.)
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Said Local Businesses:

- _____ Did not bid in response to the invitation
- _____ Submitted a bid which was not the low responsible bid
- _____ Other: _____

Name and Title: _____

Date: _____

Note: Attach additional documents as available.

Not applicable

LOCAL BUSINESS EXHIBIT "D"
GOOD FAITH EFFORT REPORT
LOCAL BUSINESS PARTICIPATION

BID # _____

1. What portions of the contract have you identified as Local Business opportunities?

2. Did you provide adequate information to identified Local Businesses? Please comment on how you provided this information.

3. Did you send written notices to Local Businesses?

____ Yes ____ No

If yes, please include copy of the notice and the list of individuals who were forwarded copies of the notices.

4. Did you advertise in local publications?

____ Yes ____ No

If yes, please attach copies of the ads, including name and dates of publication.

5. What type of efforts did you make to assist Local Businesses in contracting with you ?

7. List the Local Businesses you will utilize and subcontract amount.

_____	\$ _____
_____	\$ _____
_____	\$ _____

8. Other comments: _____

Not applicable

LOCAL BUSINESS EXHIBIT "D" – Page 2

COMPLETE THE PROPOSER INFORMATION FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE FORM IN ITS ENTIRETY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB FOR THE RFP IN THE EBID SYSTEM.

PROPOSER INFORMATION PAGE

RFP 26-006, Continuing Contract for Professional Structural Engineering Services
(number) (RFP name)

To: The City of Pompano Beach, Florida

The below named company hereby agrees to furnish the proposed services under the terms stated subject to all instructions, terms, conditions, specifications, addenda, legal advertisement, and conditions contained in the RFP. I have read the RFP and all attachments, including the specifications, and fully understand what is required. By submitting this proposal, I will accept a contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this proposal.

Proposal submitted by:

Name (printed) Kuo "K.T." Lin, PhD, PE Title Senior Vice President

Company (Legal Registered) EAC Consulting, Inc.

Federal Tax Identification Number 65-0519739

Address 5100 NW 33rd Avenue Suite 243

City/State/Zip Fort Lauderdale, FL 33309

Telephone No. 954-714-2000 Fax No. 561-354-5984

Email Address klin@eacconsult.com



EACCONS-01

ECRICCHI

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

6/23/2025

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

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

PRODUCER Ames & Gough 8300 Greensboro Drive Suite 980 McLean, VA 22102	CONTACT NAME:		
	PHONE (A/C, No, Ext): (703) 827-2277	FAX (A/C, No): (703) 827-2279	
	E-MAIL ADDRESS: admin@amesgough.com		
	INSURER(S) AFFORDING COVERAGE		NAIC #
INSURED EAC Consulting, Inc. 5959 Waterford District Drive, Suite 410 Miami, FL 33126	INSURER A : Charter Oak Fire Insurance Company A++ (XV)		25615
	INSURER B : St. Paul Protective Insurance Company, A++, XV		19224
	INSURER C : Continental Insurance Company A(XV)		35289
	INSURER D : Travelers Casualty and Surety Company A++. XV		19038
	INSURER E : Travelers Casualty & Surety Co. of America A++, XV		31194
	INSURER F :		

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PROJECT ☐ LOC OTHER:			P-660-3Y681009-COF-25	7/1/2025	7/1/2026	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
B	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY			BA-3Y682565-25-43-G	7/1/2025	7/1/2026	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
C	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE DED ☒ RETENTION \$ 10,000			7092485176	7/1/2025	7/1/2026	EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ 2,000,000
D	☒ WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) ☒ Y / N If yes, describe under DESCRIPTION OF OPERATIONS below		N / A	UB-3Y685764-25-43-G	7/1/2025	7/1/2026	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
E	Professional			107279653	7/1/2025	7/1/2026	Per Claim 2,000,000
E	Liability			107279653	7/1/2025	7/1/2026	Aggregate 5,000,000

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

30-day Notice of Cancellation will be issued for the General Liability, Umbrella Liability, Workers Compensation and Professional Liability policies in accordance with policy terms and conditions. Umbrella Liability coverage sits excess over General Liability, Automobile Liability, and Employers Liability coverage.

CERTIFICATE HOLDER

CANCELLATION

EVIDENCE OF COVERAGE

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

Qualifications Of Bidders

To demonstrate qualifications to perform the work, and to be considered for award, each bidder shall submit at least three (3) business customer references. Provide information for business customers for whom you have performed work of this nature which you list as references, excluding the City of Pompano Beach. (Use an attachment if necessary.)

1. Name and address of customer: Port Miami
1080 Caribbean Way, Suite 500, Miami, FL
Contact person name, telephone number and email address: Victor Gutierrez, PE, PMP
305-347-4802, Victor.Gutierrez@miamidade.gov
Description of services provided and date(s) of service: Seawall Design, Misc. Structural
Engineering, Bridge Design, Building Engineering, Construction Administration,
Construction Engineering and Inspections Design: 05/2019-05/2021 Construction: 10/2021-09/2023
2. Name and address of customer: FDOT District 6
1000 NW 111th Ave, Miami, FL 33172
Contact person name, telephone number and email address: Hailing Zhang, PhD, PE
(305) 470-5484, hailing.zhang@dot.state.fl.us
Description of services provided and date(s) of service: Seawall Design, Misc. Structural
Engineering, Bridge Design, Building Engineering, Construction Administration,
Construction Engineering and Inspections Design: 03/2018-03/2023 Construction: 03/2024-ongoing
3. Name and address of customer: FDOT District 6
1000 NW 111th Ave, Miami, FL 33172
Contact person name, telephone number and email address: Paola Martinez, PE
305-470-5210, paola.martinez@dot.state.fl.us
Description of services provided and date(s) of service: Seawall Design, Misc. Structural,
Engineering, Bridge Design, Building Engineering, Construction Administration,
Construction Engineering and Inspections Design: 01/2025-ongoing Construction: TBD

TIER 1/TIER 2 COMPLIANCE FORM

IN ORDER FOR YOUR FIRM TO COMPLY WITH THE CITY'S LOCAL BUSINESS PROGRAM AS A TIER 1 OR TIER 2 VENDOR, BIDDERS MUST COMPLETE THE INFORMATION BELOW AND UPLOAD THE FORM TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

TIER 1 LOCAL VENDOR

_____ My firm has maintained a permanent place of business within the city limits and maintains a staffing level, within this local office, of at least 10 % who are residents of the City of Pompano Beach.

And/Or

_____ My firm has maintained a permanent place of business within the city limits and my submittal includes subcontracting commitments to Local Vendors Subcontractors for at least 10 % of the contract value.

Or

 X My firm does not qualify as a Tier 1 Vendor.

TIER 2 LOCAL VENDOR

_____ My firm has maintained a permanent place of business within Broward County and maintains a staffing level, within this local office, of at least 15% who are residents of the City of Pompano Beach

And/Or

_____ My firm has maintained a permanent place of business within Broward County and my submittal includes subcontracting commitments to Local Vendors Subcontractors for at least 20% of the contract value.

Or

 X My firm does not qualify as a Tier 2 Vendor.

I certify that the above information is true to the best of my knowledge.

12/29/2025

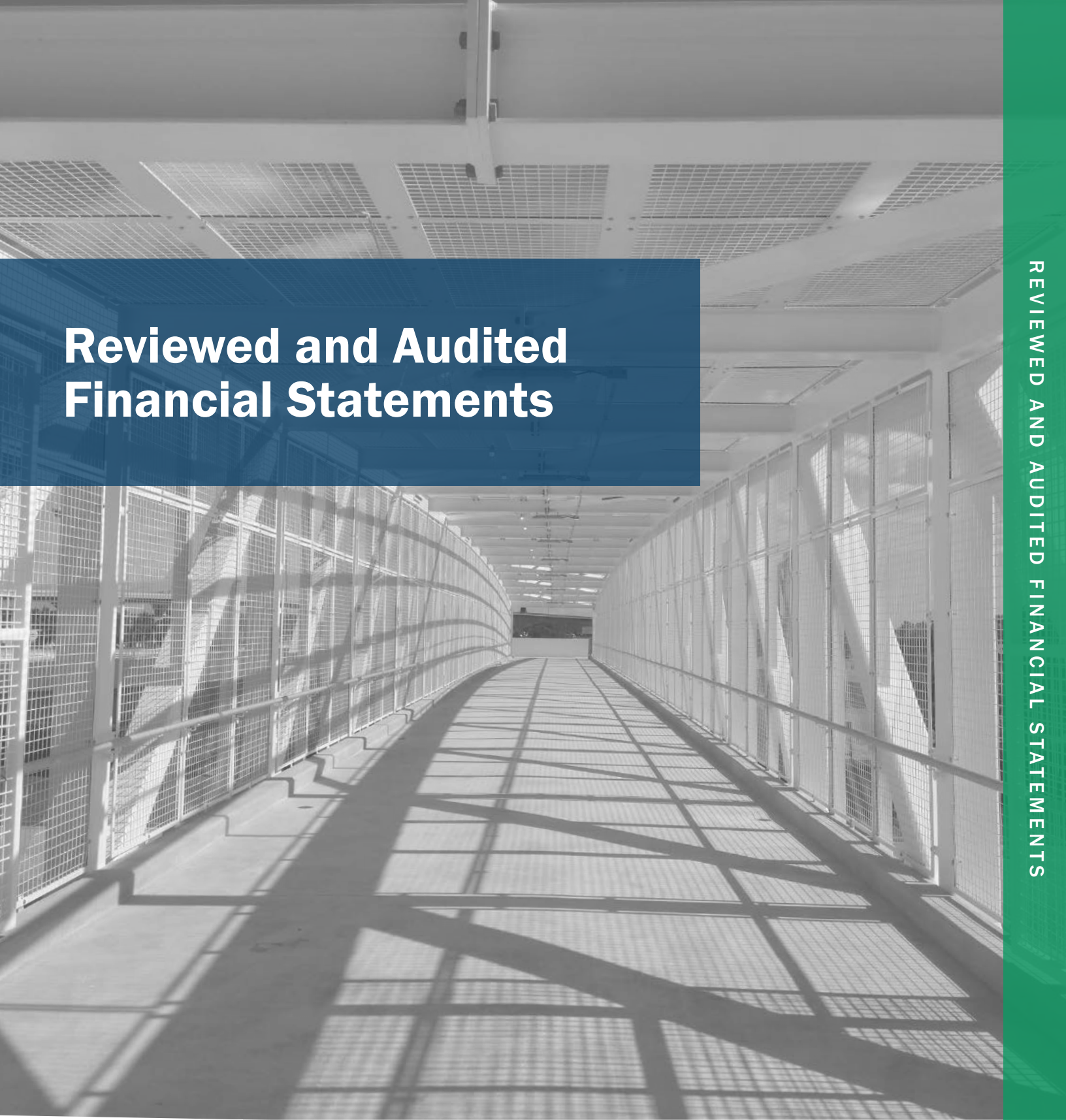
(Date)

EAC Consulting, Inc.

(Name of Firm)

BY: Kuo "K.T." Lin, PE

(Name)



Reviewed and Audited Financial Statements

REVIEWED AND AUDITED FINANCIAL STATEMENTS



EAC Consulting, Inc.
eacconsult.com

RLI 26-006

REVIEWED AND AUDITED FINANCIAL STATEMENTS

EAC is a financially responsible, strong, and sound organization. This is exemplified by the company's sustained growth in revenue and personnel over the past 31 years. Over the past three years EAC has shown a profit each year, EAC has sufficient financial resources, equipment and organization to provide the resources required for this project. The information provided is intended to demonstrate the firm's current financial strength. If any additional information is required to evaluate the firm's current or past financial strength, please do not hesitate to contact EAC's Senior Vice-President and Chief Financial Officer, Marie Chong, CPA, at 305-265-5400.

We hereby request that this section be considered CONFIDENTIAL.

“EAC Consulting, Inc. Confidential Financial Records Exempt from Florida Public Records Disclosure. Please note that as per Section 119.071(1)c of the Florida Statutes, EAC Consulting Inc. respectfully requests the information provided herein be treated as a confidential matter.”

Evidence of EAC's financial stability will be submitted by separate file and marked as “Confidential.”

Should you need further information please contact:

Marie Chong, CPA
Senior Vice President / Chief Financial Officer
EAC Consulting, Inc.
5959 Blue Lagoon Drive, Suite 410
Miami, FL 33126
Main: 305-265-5400
Direct: 305-265-5489
Email: mchong@eacconsult.com

PRIMARY CONTACT:

Feng Liu, PE

fliu@eacconsult.com

954-714-2015

OFFICE LOCATIONS:

Miami

5959 Waterford District Drive

Suite 410

Miami, Florida 33126

305-265-5400

Tampa

100 S. Ashley Drive

Suite 600

Tampa, FL 33602

813-462-8600

Fort Lauderdale

5100 NW 33rd Avenue

Suite 243

Ft. Lauderdale, Florida 33309

954-714-2000

Orlando

111 North Orange Avenue

Suite 800

Orlando, Florida 32801

407-254-4150

West Palm Beach

1601 Belvedere Road

Suite 205

West Palm Beach, Florida 33406

561-812-5178



City of Pompano Beach

RLI26-006 Addendum 3 (Professional Structural Engineering Services)

Position Classification & Maximum Hourly Labor Rate Schedule

Prime /Firm Name	EAC Consulting, Inc
------------------	---------------------

Position / Classification	Maximum Hourly Rate (\$)
Chief Engineer	\$440.36
Project Manager	\$332.48
QA/ QC Manager	\$236.35
Senior Engineer 1	\$212.30
Engineer 2	\$242.71
Engineer Intern	\$127.73
Engineer Technician	\$126.47
Senior CADD Designer	\$150.68
Specialty Engineer	\$236.29
CEI Senior Project Engineer	\$301.65
CEI Project Admin	\$244.39
CEI Inspector	\$144.71

City of Pompano Beach

RLI26-006 Addendum 3 (Professional Structural Engineering Services)

Position Classification & Maximum Hourly Labor Rate Schedule

Sub /Firm Name	KEITH and Associates, Inc.
Position / Classification	Maximum Hourly Rate (\$)
Project Executive	\$350.00
Project Manager	\$250.00
Project Controls Specialist	\$150.00
Administrative Assistant	\$125.00
Principal Engineer	\$280.00
Senior Engineer	\$230.00
Professional Engineer	\$200.00
Engineering Designer	\$165.00
Engineering Technician	\$135.00
Principal Landscape Architect	\$280.00
Senior Landscape Architect	\$230.00
Landscape Architect	\$200.00
Landscape Designer	\$165.00
Landscape Technician	\$135.00
Arborist	\$200.00
Planning Director	\$280.00
Planning Manager	\$230.00
Principal Planner	\$200.00
Planner	\$165.00
Planning Technician	\$135.00
Chief Utility Coordinator	\$230.00
Senior Utility Coordinator	\$200.00
Utility Coordinator	\$165.00
Utility Coordinator Technician	\$135.00
Construction Director	\$280.00
Senior Construction Manager	\$230.00
Construction Manager	\$200.00
Senior Inspector	\$180.00
Inspector	\$160.00
Chief Surveyor	\$280.00
Senior Surveyor /SUE	\$230.00
Project Surveyor / SUE	\$200.00
Survey / SUE Analyst	\$165.00
Survey / SUE Technician	\$135.00
Survey UAS/LiDAR Crew	\$250.00
Survey Crew	\$235.00
Utility Designating Crew	\$225.00
SUE Crew	\$400.00
Vacuum Excavation	\$550/Ea.

City of Pompano Beach

RLI26-006 Addendum 3 (Professional Structural Engineering Services)

Position Classification & Maximum Hourly Labor Rate Schedule

Sub /Firm Name	TSGEO
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[illegible]

City of Pompano Beach

RLI26-006 Addendum 3 (Professional Structural Engineering Services)

Position Classification & Maximum Hourly Labor Rate Schedule

Sub /Firm Name	MUEngineers, Inc.
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[illegible]

City of Pompano Beach

RLI26-006 Addendum 3 (Professional Structural Engineering Services)

Position Classification & Maximum Hourly Labor Rate Schedule

Sub /Firm Name	Brizaga
-----------------------	---------

Position / Classification	Maximum Hourly Rate (\$)
Principal	\$275.00
Director	\$240.00
Project Manager	\$200.00
Senior Scientist	\$200.00
Project Engineer	\$165.00
Staff Scientist III	\$165.00
Outreach Director	\$165.00
Outreach Manager	\$145.00
Senior Coordinator	\$145.00
Staff Scientist II	\$140.00
Staff Scientist	\$125.00
Coordinator	\$125.00
Junior Engineer	\$125.00
CADD/Designer	\$105.00
Graphic Designer	\$105.00
Senior Associate	\$93.50
Associate	\$82.50
Administrative Assistant	\$82.50

City of Pompano Beach

RLI26-006 Addendum 3 (Professional Structural Engineering Services)

Position Classification & Maximum Hourly Labor Rate Schedule

Sub /Firm Name	RES
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[illegible]