

# CITY OF KEY WEST

## GENERAL TRAFFIC ENGINEERING SERVICES

RFQ #18-001



**Keith & Schnars**  
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**FEBRUARY 28, 2018**



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February 28, 2018

City of Key West  
Office of the City Clerk  
1300 White St.  
Key West, FL 33040



Dear Selection Committee Members,

**Over the past decade, Keith & Schnars (K&S)** has closely followed the City of Key West's (City) incredible economic and redevelopment evolution.

K&S is a premier, full-service engineering and consulting firm. We offer multi-disciplinary expertise in the fields of traffic and transportation engineering, land surveying, landscape architecture, planning and environmental services. Our company has played a key role in the development of Florida's growing environmental infrastructure.

The corporate history of K&S is rare, distinct and rich in tradition. We can trace our inception back to 1929 as one of Florida's first surveying firms, and our initial incorporation to 1972. Not many companies of its kind have such an extensive and decorated past. K&S experienced profound growth over several decades and transformed itself into not only one of Florida's most influential full-service engineering firms, but one of Florida's largest surveying companies. Our extensive client list includes various water management districts, governmental agencies, counties/municipalities and large private sector clients throughout the state of Florida.

We have a unique relationship with the state of Florida. The trajectory of our growth parallels Florida's rise in national stature. K&S has served as a key partner with Florida, having played a crucial role in helping the state manage rapid expansion by providing safe and responsible solutions for its residents and communities. Our work has shaped and influenced the very landscape of Florida.

K&S is proud of its multidisciplinary approach to projects and its commitment to excellence and service. These traits have been recognized by public and private organizations that have selected the firm for awards and peer recognition throughout our history. Earlier this year, we achieved the ranking of No. 7 in South Florida Business Journal's published list of the "Top 25 Engineering Firms" in the South Florida area. Unlike other similarly qualified companies, we distinguish ourselves by retaining our small firm feel, personal approach and easy access to our principals.

Personal involvement by the principals of our firm is not only assured, but also serves as the cornerstone of our success. This involvement enables us to establish close, personal working relationships with our clients and lays the foundation of our reputation for quality work and satisfaction. We continually strive to attain complete client satisfaction, and our record of repeat business demonstrates our success in this capacity. Our goal is to provide consulting services that meet or exceed client requirements. Quality comes first, both in performance, and in all aspects of our business relationships with our strategic partner - our clients.

As regulatory requirements have grown and the need for a true multidisciplinary approach to project delivery has become essential to our clients, our firm and staff have adapted accordingly. We have developed a staff and project portfolio that can be categorized into several areas of practice.

- Traffic Engineering
- Transportation Planning/Traffic Operations
- Highway Engineering
- Utility Engineering
- Civil Engineering
- Water/Wastewater Engineering
- Landscape Architecture
- Structural Engineering
- Construction Engineering and Inspection
- Urban Design
- Surveying and Mapping
- Environmental Sciences and Permitting
- Comprehensive, Regional and Urban Planning



As a full-service consulting firm, we pride ourselves in our ability to engage many types of projects and service contracts. We are a committed team of professionals cognizant of client concerns and dedicated to achieving task goals while protecting client interests. Our strengths are found in our rich history, depth of staff, and our diverse and extensive experience serving public and private sector clients.

The K&S team is completely confident in our understanding of all city, county, state and federal regulations, guidelines and standards. We have completed numerous projects in the Florida Keys through our contracts with Monroe County and FDOT District 6. In fact, I am the former Director of Operations and District Construction Engineer for FDOT District 6. Our team offers the unique advantage of direct experience with Key West as K&S is currently contracted for General Engineering Services for the City.

The City of Key West can be assured that this contract will be executed with the same level of professionalism, dedication, and expertise as K&S looks to continue what is already a very productive and prosperous relationship with the City.

It is truly an honor to be considered for the responsibility of serving the City of Key West in its quest to design, develop, and prepare its community for the future. Our very experienced and highly qualified team is excited to invite the City to take advantage of our talent.

Respectfully submitted,  
Keith & Schnars

A handwritten signature in blue ink, appearing to read 'Joe L. Gómez', is positioned above the printed name.

Joe L. Gómez, P.E.  
Senior Vice President of Engineering

# [ Summary of Expertise ]

## Understanding of the Scope of Work

Successful delivery for this “on-call” contract requires a team that has the expertise to address any type of project(s), meet all expectations and reach successful completion under any schedule required, including possible multiple assignments at the same time. K&S has this expertise and is uniquely qualified to fulfill this contract. We have contributed to a wide range of projects throughout the state of Florida – from mega-construction endeavors, to citywide traffic and traffic modeling, and small traffic studies.

We pride ourselves on being adaptable and responsive to the needs of our clients. We have the flexibility to fashion our approach to meet all technical and non-technical requisitions; the ability to immediately “pivot” when conditions change; and can call upon our vast resources to meet any schedule commitment. Our staff’s commitment to state-of-the-art technology and practices has allowed K&S to differentiate itself as a deliverer of superior, impactful solutions. K&S is fully equipped and experienced to perform HD 3D laser scanning for all types of projects including, roadway DTM, existing building as-builts, new construction as-builts, historic building documentation, and many others that will benefit the city.

Beyond traditional Design-Bid-Build (DBB), we have completed numerous projects in Florida using Design-Build (DB), Construction Management at Risk (CM@R), and Public-Private Partnership (P3). During these projects, we worked directly with contractors. Our extensive resume has provided us with a deep understanding of construction means, methods and “what things cost” – from materials, equipment, labor, and general conditions. We will use this knowledge to design every proposal under this contract by first asking “how would a contractor build this most efficiently?” We will craft solutions and develop designs that are economical. We create value for our clients, while reducing their overall project costs.

## Local Agency Program (LAP) Experience

Through our extensive experience with the FDOT, we have worked on numerous projects funded by FHWA. Federalized projects require a higher level of design and construction documentation and record keeping that ensures compliance with AASHTO design criteria and the Federal guidelines. We understand it is imperative that design consultants working on federally funded projects maintain thorough project records and design documentation to ensure the client maintain the proper LAP checklists and project progress summaries needed to ensure federal reimbursement of project funding is not jeopardized. All federally funded projects must comply with applicable non-Title 23 U.S.C. requirements which include, but are not limited to:

- National Environmental Policy Act (NEPA) of 1969
- Section 4 (f) of the DOT Act of 1966
- Clean Air Act Amendments of 1990
- Civil Rights Act of 1964
- Civil Rights approvals
- Disadvantaged Business Enterprise Program (DBE)
- Uniform Relocation Assistance and Real Properties Acquisition Policies Act of 1970
- Hardship acquisition and protecting buying
- Executive Orders
- Americans with Disabilities Act/Section 504 Rehabilitation Act of 1973
- Davis-Bacon wage rates
- Waiver for Buy America requirements
- SEP-14/SEP15 contracting methods
- FHWA Guidance and technical advisories
- Addition/modification of access points to the Interstate
- Project by project obligation of federal funds
- Modifications to Federal-aid project agreements
- Final Vouchers

## Single-Point of Contact

The K&S team is organized around a single contact point for project management – **Fadi Emil Nassar, Ph.D., P.E., PTOE**. As the Assistant Director of Engineering at K&S, Dr. Nassar is responsible for resource management on all of our traffic engineering throughout Florida. He has over 23 years of diverse traffic engineering, transportation planning and design and construction experience. Dr. Nassar has worked with K&S for over 17 years and has an excellent working relation with various departments. He has managed various types of traffic studies ranging from small traffic impact studies and roundabout analysis, to project review for cities and counties, pedestrian and bicycle mobility studies, master plans, traffic forecasts, model calibration, PD&Es, DRIs, IJR, and IMR. He has also managed complex projects such as the traffic analysis of the Golden Glades Interchange PD&E, I-95 Express Lanes VISSIM simulations, and Dolphin Expressway/Palmetto Expressway interchange MOT analysis. Dr. Nassar has taught various transportation graduate and undergraduate courses at FIU & FAU and understands the technical theory, applicability, and limitation of the various traffic software and analysis procedures. He has the knowledge to select the optimal tool and methodology for each work order resulting in the minimization of time, and the maximization of budgetary items and work efficiency. Dr. Nassar understands that using a multidisciplinary approach at the beginning of a project will eliminate critical flaws and weed out non-feasible or cost-prohibitive concepts. He is result-oriented with an emphasis on client satisfaction.

For each effort, Dr. Nassar will select a task leader based on his/her relevant project history, availability for the duration of the task, and overall compatibility with the City's expectations. The selected task leader will serve as the day-to-day project delivery lead, responsible for project management and coordination of technical work. Dr. Nassar will be briefed weekly by each task leader on the progress of each specific assignment. This interaction will ensure: (1) performance at or higher than the levels expected by the City; and, (2) adequately resourced tasks. Dr. Nassar will also be available to meet with the City staff on a bi-weekly basis, or more frequently if requested by the City, to discuss projects and K&S team performance. He will also be available, at any time, to address unforeseen events, effects of related actions, new directions by leadership, and/or any other issues important to the City.

## Similar Clients and Projects

K&S understands the City needs a consultant that will blend with its staff and provide support for the many activities undertaken every day. Our team obtained its experience in connection with on-call professional engineering services contracts, similar to the City's contract, through servicing numerous clients throughout the state. We fully understand what the City requires, and its expectations related to performance, management, responsiveness, and commitment. For nearly half a century, we have worked with over 58 cities, 22 towns, 17 counties, 12 state agencies, and numerous private, commercial, and community developers including our firm's current General Engineering Services contract with the City of Key West. This is evidence that K&S builds long-term, successful relationships with our clients and is an indicator of the level of confidence the City already has with K&S' on-target results. These past on-call contracts have allowed K&S to develop a strong team of planning, engineering, environmental, surveying, architectural and CEI professionals with detailed knowledge of local level practices and policies. In addition, we maintain successful working relationships with other local government and permitting agencies. We will provide you with the correct balance of local knowledge and relationships, supported by a wealth of experience and resources. This combination will allow us to meet your existing needs, while delivering bold and innovative ideas for the future.

There is a major difference between providing on-call services versus project-specific services. While core functional talent is common to both types of contracts, on-call services require another level of project management, project cost and schedule control sophistication, as well as maintenance and operations expertise.

To address your needs, we promise to deliver the best team available, whose first priority is you — Key West.

## Prior Project Experience

Our transportation planning and traffic engineering team is comprised of highly qualified professionals who have recent and ongoing experience providing transportation planning and traffic engineering services to numerous municipal and state clients, as well as a diverse history of private sector clients. We offer a thorough understanding of the latest industry practices and technologies. The team includes

licensed professional engineers, with working relationships that extend over 20 years. K&S has considerable experience providing traffic engineering review services for development petitions submitted to municipal and state agencies. These services include participating in and providing technical traffic engineering commentary during Development Review Committee (DRC) meetings; evaluating the transportation impacts associated with master plans and site plans; preparing signal warrant studies, capacity and corridor analysis; and preparing and presenting safety studies, neighborhood traffic management studies, and traffic calming analyses. We have expertise in developing and reviewing transportation impact studies in support of future land use plan amendments, traffic concurrency evaluations, traffic way evaluations, and large-scale Developments of Regional Impact. Our services have also included developing area-wide parking analysis and parking strategies for special events. Our team has the depth of staff to work on multiple assignments simultaneously. By choosing K&S, you will have at your disposal, resources and staff committed to successfully completing all assigned tasks within schedule and budget.

The team has unique expertise and experience with very challenging technical assignments such as three dimensional microscopic simulation of complex interchanges and sub-area model validation to support area wide traffic analyses. The foundation of our team's expertise is found in the fundamentals of traffic engineering, but has evolved to include multimodal considerations and complete street solutions. Roadway widening is no longer the only solution to resolving congestion. Accordingly, our traffic engineering team has also developed expertise in corridor studies, arterial investment studies, access management, travel demand management, system improvements, mobility enhancements that incorporate pedestrian, bicycle, and transit accommodations. Additionally, we have seasoned PD&E professionals whose transportation planning experience adds a valuable dimension to the team. Their expertise in balancing engineering and community goals have enabled the team to succeed in developing context-sensitive designs for neighborhoods and university campus circulation systems.

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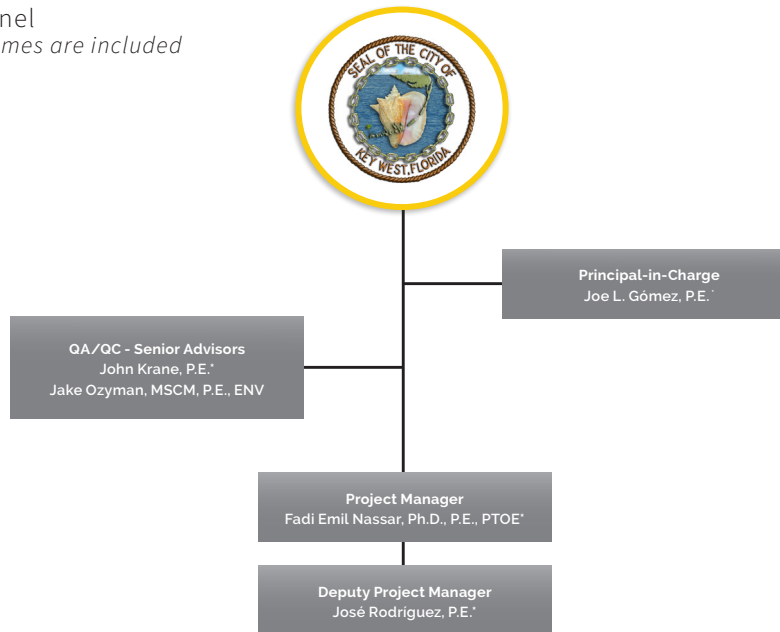
**Our modeling and forecasting assignments utilize the latest industry software and computer applications, including CORSIM and VISSIM for network simulations, and SYNCHRO, CORSIM, and HCS for intersection and corridor system analysis, as well as the FDOT-developed LOS Plan software suite. No job is too big or too small for us. We deliver a quality work product utilizing the best tools for the job, based on the client's needs.**

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K&S acknowledges that Key West reserves the right to evaluate the proposing firm on their performance and prior dealings with Key West.

# [ Key Personnel ]

\*Denotes Key Personnel  
Only Key Personnel resumes are included



| TASK LEADERS  |   |   |
|---|---|---|
| <b>Traffic Signal Systems / Roadway Design / Roadway Signage /FDOT LAP</b><br>C. Bryan Wilson, P.E.*<br>S. Mark Kline, P.E.*<br>Matt Neddeff, P.E.* | <b>Traffic Studies/Roadway Capacity Calculations/Parking Studies</b><br>Fadi Emil Nassar, Ph.D., P.E., PTOE*<br>José Rodríguez, P.E.*<br>Shahin Shafiq, P.E, PTOE, PMP* | <b>Bicycle and Pedestrian Planning/ Wayfinding Signs</b><br>Fadi Emil Nassar, Ph.D., P.E., PTOE*<br>John Krane, P.E.<br>Heidi Siegel, AICP* |
| SUPPORT SERVICES  |   |   |
| <b>Construction Engineering and Inspection</b><br>Jorge Ortiz, P.E.<br>Roland Barros, CGC   | <b>Structural Engineering</b><br>Roberto Rubio, P.E.<br>Nada Adjei, E.I.  | <b>Surveying and Mapping</b><br>Robert K. Krisak, P.L.S.<br>Benjamin Hoyle, P.S.M.  |

There's no doubt a consultant is defined by its people — people who will go the extra mile to make sure that Key West is their first priority, people who breathe the spirit of innovation, people who bring the desired technical excellence.



Our approach begins with leadership. A project delivery team is often identified with its leadership. **Fadi Emil Nassar, Ph.D., P.E., PTOE** is K&S' proposed Project Manager and the City's primary point of contact. As Assistant Director of Engineering at K&S, Dr. Nassar has the responsibility of providing resource management for all our traffic engineering projects throughout the state of Florida. His outlook, insights, and understanding of appropriate design, were largely shaped by his 23 years tenure in the industry.

Leadership is only successful with the strong and committed support of willing and qualified resources. The K&S team is a local team with access to a deep bench of engineering, surveying, and construction professional service resources. We are prepared and available to cover the anticipated work load and scope of work. The K&S team is staffed by a diverse and experienced group of project managers and full contingent of resources to support task orders.



The group of managers and technical staff includes:



**José Luis Rodríguez, P.E.** - In order to meet diverse challenges and fully address the needs of the City, we propose Mr. Rodríguez as a Deputy Project Manager. Dr. Nasser and Mr. Rodríguez - two highly qualified professional engineers bring a powerful and proven partnership with a long history of successfully completing projects with similar requirements and challenges on-time and on-budget. Mr. Rodríguez has more than 41 years of experience in transportation and traffic engineering including work as a graduate research engineer at the University of Maryland. He has directed and actively participated in numerous and wide-ranging transportation studies and projects for both the public and private sectors.



**Shahin M. Shafiq, P.E., PTOE, PMP** has over 16 years of diversified engineering experience in the transportation engineering projects. His primary areas of expertise are in highway design, PD&E, drainage, signing and pavement markings, signals and traffic engineering. He also has extensive experience in the design and production of all phases of roadway projects from conceptual design to final design phases, PD&E and permitting in limited access highways and freeways, rural and urban resurfacing and reconstruction, pavement only, LAP and roadway safety projects. His roadway design experience includes roadway horizontal and vertical geometric design, cross sections, profiles, typical section package, pavement design package, design exception-variation package, specification package, bid package construction phasing, signing and pavement marking, signalization, pavement design, access management plan, MOT, and lane closure analysis.



**C. Bryan Wilson, P.E.**, has 32 years of experience in the design and management of roadway, traffic, and transportation engineering projects in Florida and South Carolina. Mr. Wilson joined the consultant industry in 1994 after 9 years with the FDOT District 4. His project experience encompasses all aspects of highway design from pavement rehabilitation to limited access interchanges and managed lanes facilities delivered in both bid-build and design-build formats. One of the notable projects that Mr. Wilson is currently managing is The Wave Street Car Design-Build pursuit. The Wave streetcar, powered by overhead electric lines, will operate on embedded tracks in mixed traffic, sharing the traffic lane with other vehicles. Once the system has been constructed and has completed testing, Broward City Transit will be responsible for the operations and maintenance of the Wave and production of all phases of roadway projects from conceptual design to final design phases, PD&E and permitting in limited access highways and freeways, rural and urban resurfacing and reconstruction, pavement only, LAP and roadway safety projects. His roadway design experience includes roadway horizontal and vertical geometric design, cross sections, profiles, typical section package, pavement design package, design exception-variation package, specification package, bid package construction phasing, signing and pavement marking, signalization, pavement design, access management plan, MOT, and lane closure analysis.



**John P. Krane, P.E.** has 29 years of experience in planning, traffic engineering, preliminary engineering/PD&E, access management, traffic operations, safety, and senior management. His primary areas of expertise include site impact analyses, intersection and roadway operational and level of service analyses, development and application of transportation demand forecasting models, project traffic development, and project management.

Mr. Krane and Mr. Wilson are currently managing the PD&E and Design Services project for SR-714/SW Martin Highway in the Treasure Coast. This project will improve the safety, operations and capacity of SR-714 by adding two additional through lanes, intersection improvements, bicycle and pedestrian enhancements, and access management improvements within the project limits. Further, it will connect to the newly widened four-lane SR-714 to the east, which is recently completed. This project is the first State-wide Acceleration and Transformation (SWAT) implement project by the FDOT District 4.



**S. Mark Kline, P.E.** has over 35 years of Roadway Engineering design and management experience with various projects involving roadway design, transportation planning and land development. Mr. Kline has become proficient in the major engineering design aspects of roadway geometrics, drainage, signing and pavement marking, signalization, lighting and work zone traffic control. One of the notable projects that Mr. Kline is currently managing is West Avenue Improvements in the City of Miami Beach. This project is procured as a Design/Build which includes road construction for the extension of West Avenue from 17th Street to Dade Boulevard, Centerline Alignment and profile of roadway and bridge elements, analyzing existing and installed drainage system, signing and marking plans for roadway and bridge elements, analysis and design of new traffic signals, and analysis of existing lighting systems and proposed modifications.



**Matt Neddeff, P.E.** has over 13 years of experience in roadway design services for various FDOT and municipal projects. Mr. Neddeff's involvement in roadway design is as follows: flexible pavement design, development of typical section packages, design of horizontal and vertical geometry, signing and pavement marking design, signalization design, lighting design, utility coordination, work zone traffic control, computation of quantities, specification development, drainage design and scour analysis. He has developed expertise in the use of AASHTO, FDOT and municipality design standards. He has also prepared Geotechnical Reports. Mr. Neddeff is proficient with Microstation/Geopak, HEC-RAS and other software that aids in the efficient design and production of roadway plans.



**Jorge A. Ortiz, P.E.** brings 32 years of experience in cost estimating, scheduling, constructability reviews and in construction engineering and inspection throughout the state of Florida. His experience ranges from major interstate highway bridges to roadway projects, toll plazas, seawalls, and docks. Mr. Ortiz has been responsible for contract management and administration, procurement, bid processing, cost estimating and contract negotiation for various construction projects. He is also experienced in bridge design, load rating, inspection and rehabilitation.



**Heidi Siegel, AICP** is the director of the firm's Planning Department. She has been successful in many projects that specialize in reviewing, updating, and implementing land development regulations and comprehensive plans, as well as zoning review services. Ms. Siegel has over 18 years of professional experience in the planning and development field, in both the public and private sector. Her involvement in historic preservation planning, municipal operations, legislative matter and public speaking have aided in her extensive knowledge throughout her career. Prior to joining Keith & Schnars, Ms. Siegel served as the City Manager for the Village of Biscayne Park in Miami-Dade County. Ms. Siegel is currently serving her second-term as Chair of the Broward County Bicycle and Pedestrian Advisory Committee.



**Jake Ozyman, P.E.** has successfully managed numerous traffic and transportation projects over the past 20 years, understood key stakeholder/agency needs and requirements, meeting those needs without compromising on project goals or client budgetary and schedule requirements. He always focused on project intent; understood constraints and opportunities; and worked collaboratively in a multi-disciplined environment.

The K&S team acknowledges that the project management team/key team members assigned to the Key West contract shall not be substituted without expressed permission of Key West.

# [ Internal Peer Review Procedures ]

K&S is committed to quality. We have proactive quality control policies and detailed procedures to check each milestones' conformance to established requirements. Every employee is empowered and responsible for the quality of their own work or the work they supervise. K&S' policy is to apply an effective, efficient, and auditable quality management system to all project work. For every project, all staff members - internal and external - implement the policies, philosophies, and practices described in the project-specific Quality Management Plan (QMP). The QMP is given to each staff member. It defines the scope of work, responsibilities of staff, the quality control (QC) procedures for each type of document, file naming conventions, and CADD standards and control. A summary of K&S' QC procedures is as follows:

- **Plan the Work.** The QMP is distributed to the design team. The design team is trained in the content of these documents, and documents are updated as needed throughout design.
- **Prepare Design Documents.** The design team prepares design documents using the established design criteria for the project and appropriate interdisciplinary coordination (through weekly meetings, written communications, and telephone conversations).
- **Check and Review Documents.** Design documents are checked in accordance with the design QC procedures, which are spelled out in the project-specific QMP. Interdisciplinary coordination reviews are performed as well as constructability reviews, depending on project complexity. All comments are provided in writing and summarized using a review comment summary and resolution form.
- **Make Revisions.** Comments are evaluated and incorporated into the documents, as appropriate. Responses to comments and final disposition of comments are recorded on the review form. Final comment resolution reflects agreement between the designer and the reviewer.
- **Audit and Certify.** Our project QC leads audit and certify that the procedures outlined in the QMP are followed for all deliverables and supporting technical documents used to make project decisions.

The best way to produce quality work for the least cost is to do the work right the first time. For this reason, K&S employs a number of best practices to help our staff accomplish this goal. A significant potential source for quality control issues is in the management of CADD files. K&S recently started using ProjectWise for the control of CADD files. It is, in effect, a file librarian, allowing users to "check in" or "check out" CADD files to a local computer. In order to modify CADD files, the files must be checked out from the file server. Part of the check-out procedure includes the automatic copying of the drawing file to the local workstation. ProjectWise has built-in protection to prevent more than one person at a time from accessing any file in "write" mode. Once a file is checked out, it cannot be changed by another user until it has been checked back in. This can even be used externally with subconsultants, as we are currently doing for the FDOT's Wave Street Car light rail project, where we worked with more than a dozen of other consultants sharing and working on producing over 700 sheets of drawings.





## [ Professional Experience ]

### 1. Districtwide In-House Consultant Contract Plans Review Support Services FDOT District 4



K&S has supported the FDOT District 4 Final Plans Section in their efforts to provide Quality Assurance during the preparation of project Contract Documents. The scope of services includes the review of project Contract Documents prepared by both external consultants and in-house design sections. Contract Documents reviews were performed at Initial (30%), Constructability (60%) and Biddability (90%) phases. Contract Documents reviews were performed to assure completeness, accuracy, and compliance with applicable all applicable FDOT design standards, specifications, policies, and procedures. The review of the plan components included Roadway, Signing and Pavement Markings, Signalization, ITS, Lighting, Landscape, Architecture, and Structures Plans. Additional Contract Documents for review typically included the Pavement Design Package, Typical Section Package, Community Awareness Plans (CAP), Engineering Reports, Drainage Reports, Utility Relocation Schedules, Right-of-Way Certifications, Railroad Clear Documentation, Permit Documentation, etc. Field inspections were included with all project reviews. K&S has completed 123 Task Work Orders for Contract Documents reviews under this contract.

**Client(s):** FDOT District 4

**Contact:** Luis Barrios, Quality Assurance Consultant Manager

**Phone:** (954) 777-4329

**Team Members Assigned:** José Rodriguez, P.E., Fadi Nassar, P.E., John Krane, P.E., Jake Ozyman, P.E.

**Fees:** \$970,000

## 2. City of Lake Worth Traffic Consultant

Lake Worth, FL



In 2014, K&S was contracted by the City of Lake Worth as its citywide traffic consultant to perform Phase I of a citywide traffic calming study. The City has developed a draft policy to implement traffic calming throughout the City and is considering an annual budget for phased implementation of this policy.

The first phase (2015 to 2016) focuses on data collection and GIS geocoding of traffic calming related information. The scope of services for Phase I includes (1) collecting field data related to stop signs, speed limit signs, and implemented traffic calming measures; (2) obtaining available data related to traffic crashes, citations and citizen complaints; (3) geocoding data into GIS layers; (4) performing preliminary generalized citywide review of collected data to identify issues and prioritize traffic calming corridors for a more detailed analysis; and (5) performing a detailed traffic calming study for two roadway sections selected in coordination with City staff.

**Client(s):** City of Lake Worth

**Contact:** Jamie Brown, Public Services Director

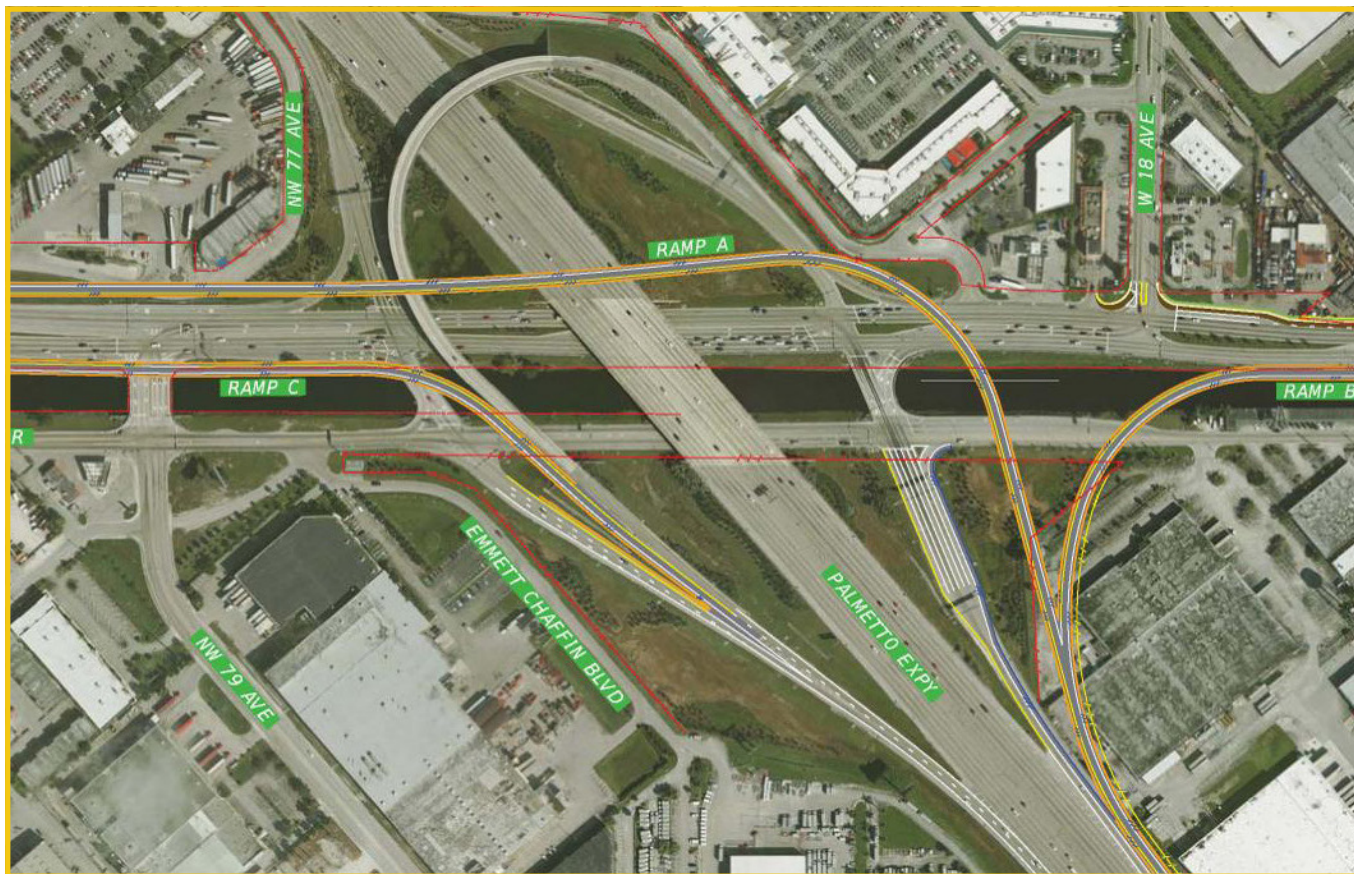
**Phone:** (561) 586-1720

**Team Members Assigned:** John Krane, P.E., Fadi Nassar, P.E., Jake Ozyman, P.E.

**Fees:** Task-Order Based, Ongoing



### 3. FDOT District 6 - SR-826 and Okeechobee Road / US-27 Interchange Feasibility Study Hialeah, FL



K&S was retained by FDOT District 6 to assess the feasibility of providing new direct connections from SR-25/US-27/Okeechobee Road to and from SR-826/Palmetto Expressway, and an additional westbound auxiliary lane along Okeechobee Road between W 18th Avenue and W 16th Avenue. The purpose of the new direct ramp connections was to improve overall traffic operations and safety in the vicinity of this existing partial interchange. The study included: data collection; field observations; safety reviews of area intersections; development of alternative concepts; detailed operations evaluation using CORSIM; and a critical flaw assessment of the alternative concepts with respect to impacts on right of way, the cultural, natural and physical environments, and benefit cost analysis. Final recommendations were presented to FDOT management for consideration. The study concluded that there were no critical flaws which would preclude any of the proposed improvements, and while each of the proposed ramps would result in a benefit-cost greater than 1.0 on a systemwide basis, one of the ramps would likely exacerbate traffic conditions at a downstream intersection. Additionally, since the study identified the need to potentially adjust the recommendations associated with an adjacent on-going Project Development and Environment Study, K&S participated in an abbreviated value engineering assessment resolve the conflicts. As a result of the Feasibility Study, FDOT District 6 programmed the project for the Project Development and Environment phase. Additionally, several short-term improvements were identified for implementation at area intersections to facilitate better traffic flow in the area.

**Client(s):** FDOT District 6

**Contact:** Ken Jeffries

**Phone:** (305) 407-5445

**Team Members Assigned:** John Krane, P.E., Jose Rodriguez, P.E., Fadi Nassar, P.E.

**Fees:** \$258,848

## 4. City of Parkland Traffic Engineering and Transportation Planning Parkland, FL



K&S was the City Traffic Engineer and Development Review Committee (DRC) member for the City of Parkland. We provided as-needed traffic engineering and planning services including traffic impact and site plan review, traffic control recommendations, traffic conditions monitoring, traffic operations analysis, comprehensive planning, ordinance development, transportation concurrency, and intergovernmental coordination. K&S also provided representation on traffic engineering issues at City Commission meetings.

An additional role was for K&S was to conduct studies as requested. One such project was to conceptually design and evaluate a proposed realignment of County Line Road to minimize impacts to local property owners while maintaining the east-west traffic flow that is critical to the city. Results indicated that by connecting to Lox Road, traffic flow would be maintained with little or no impact to local land owners, although some improvements would be necessary.

**Client(s):** City of Parkland

**Contact:** Caryn Gardner-Young

**Phone:** (954) 757-4112

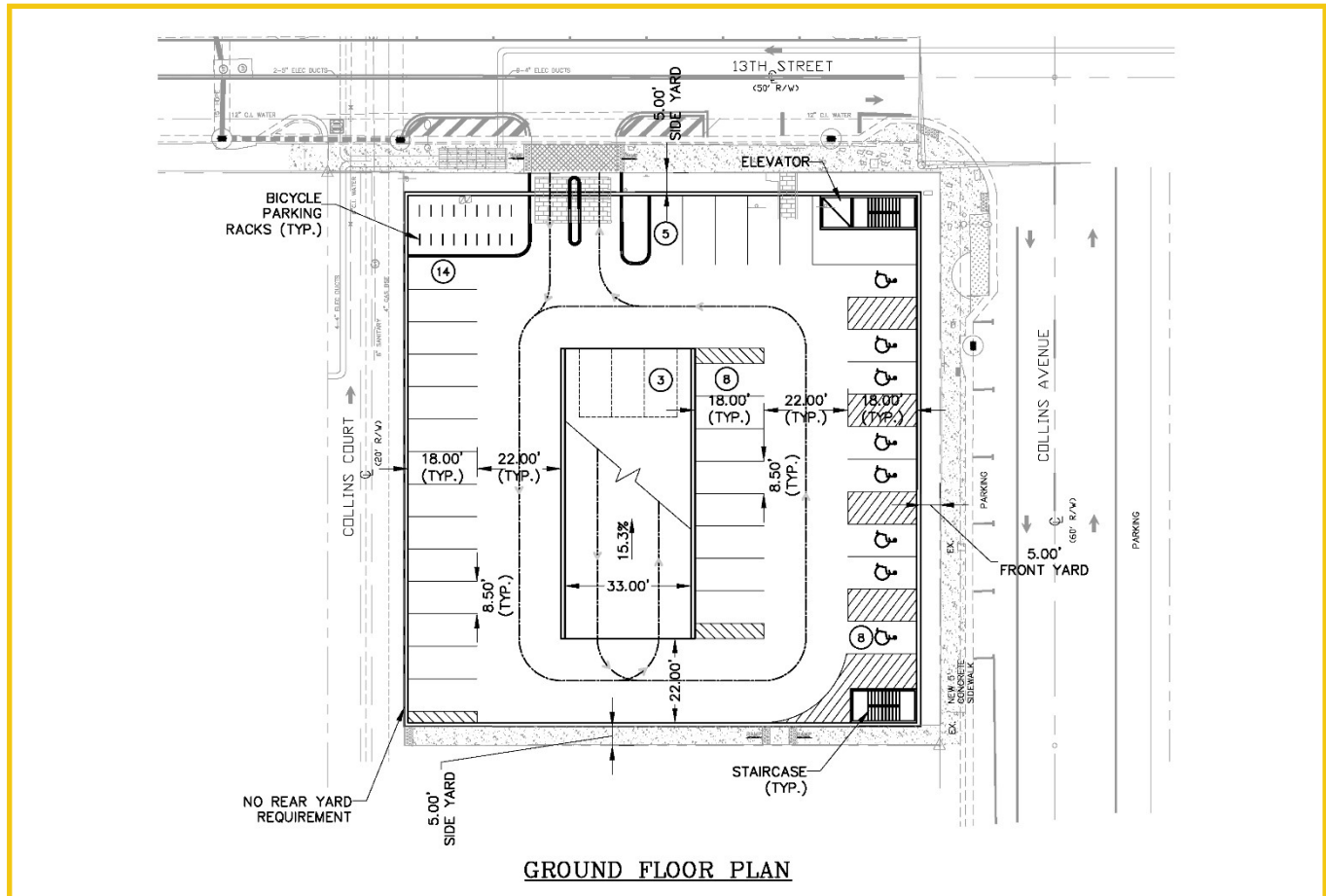
**Team Members Assigned:** John Krane, P.E., Fadi Nassar, P.E., Jose Rodriguez, P.E.

**Fees:** Task-order Based, Approx. \$100,000



## 5. Feasibility Study for the Construction of Municipal Parking Garages at Surface Parking Lots P13 & P16

Miami Beach, FL



K&S has performed a feasibility study for the construction of municipal parking garages at existing surface parking lots P13 and P16. The analysis prepared has considered three different alternatives to determine the optimal design for a parking structures on the proposed sites considering the different user groups and integration of the parking structure with the neighborhood. Analyses included existing infrastructure, pedestrian flows, zoning and code issues, parking design requirements, landscape architecture user groups, issues related to construction period, project delivery methods and schedule, conversion to affordable housing, and project and finance cost. Financial analyses were also performed and included in the feasibility study. Conceptual costs, operating expenses, parking income and expense projections, operating pro forma, and debt service coverage was addressed.

**Client(s):** City of Miami Beach

**Contact:** Diego Lopez Medina, Project Engineer

**Phone:** (305) 637-7071

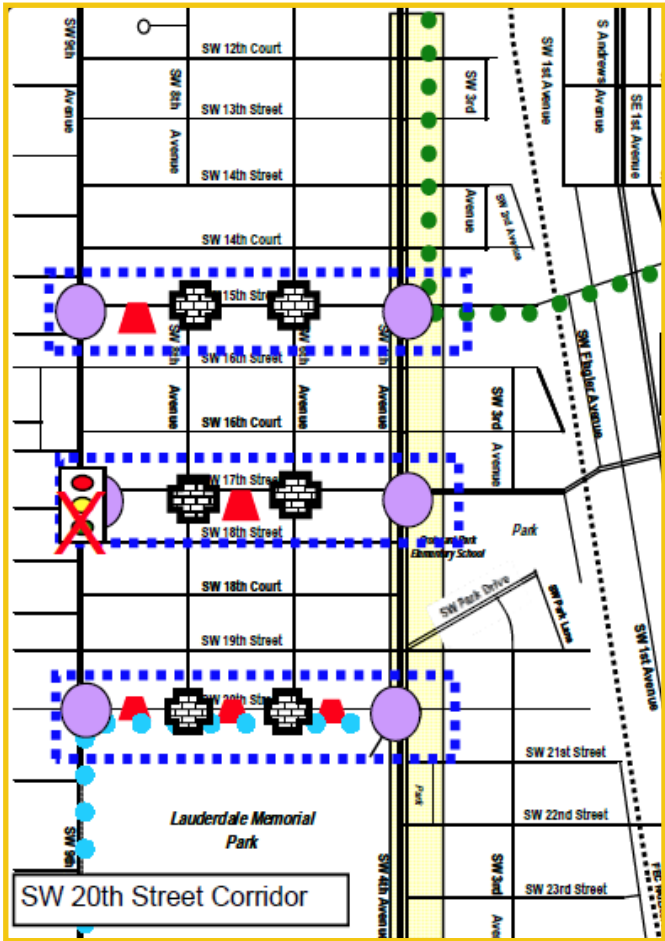
**Team Members Assigned:** Jake Ozyman, P.E., Fadi Nassar, P.E., John Krane, P.E.

**Fees:** \$60,000





Ft. Lauderdale, FL



**Client(s):** City of Ft. Lauderdale  
**Contact:** Hal Barnes, Project Engineer  
**Phone:** (954) 828-5123  
**Team Members Assigned:** Jose Rodriguez, P.E, John Krane, P.E, Fadi Nassar, P.E  
**Fees:** Task-order Based, \$200,000

## 8. Sunny Isles Beach Traffic Engineering and Transportation

Sunny Isles Beach, FL



K&S was the City Traffic Engineer and Development Review Committee (DRC) member for the City of Sunny Isles Beach. We provided as-needed traffic engineering and planning services, including traffic control recommendations, traffic conditions monitoring, traffic operations analysis, traffic impact and site plan reviews. We also conducted parking supply and demand analyses, as well as signal warrant studies, comprehensive planning, land development regulation reviews, transportation concurrency evaluations, and intergovernmental coordination. K&S also testified on traffic engineering issues at City Commission meetings. Under this contract, K&S assisted the City with the development of a traffic management plan to accommodate traffic flows resulting from the opening of the City's first elementary school. This successful plan included the use of police officers, temporary one-way street flow, barricades, signs, and a public information campaign to inform parents of the traffic circulation patterns on school days.

**Client(s):** City of Sunny Isles

**Contact:** Jorge Vera, Project Engineer

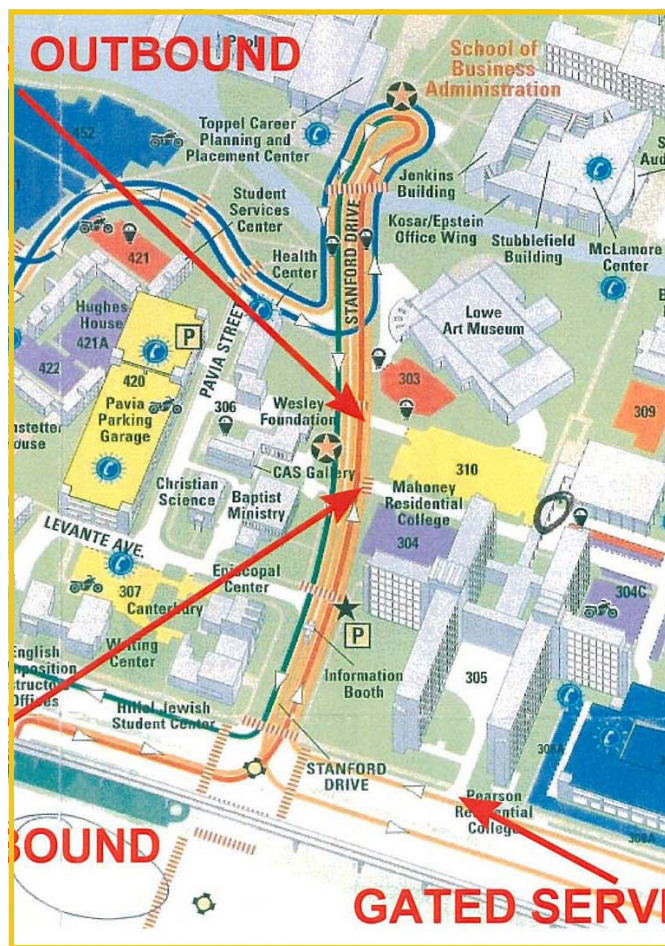
**Phone:** (305) 792-1701

**Team Members Assigned:** Jose Rodriguez, P.E, John Krane, P.E, Fadi Nassar, P.E

**Fees:** Task-order Based, Approx. \$60,000



## 9. University of Miami Traffic Consultant Coral Gables, FL



Keith and Schnars has performed major traffic engineering work for the University of Miami since 1996. These services have included three major updates of the entire traffic and parking section of the University's Master Plan (known as UMCAD - University of Miami Campus Area Development); a regional traffic study that examined the University traffic impacts throughout the City of Coral Gables and nearby cities; numerous concurrency studies of the entire development program as well as for individual buildings and facilities; an extensive parking study that consisted of an hour-by-hour survey of parking utilization of all parking lots and parking garages to determine parking demand, supply, availability and distribution; traffic signal warrant analysis; traffic studies for proposed facilities such as the 7,900-seat convocation center with a parking and event management plan to accommodate high attendance activities and televised sporting events; an impact assessment of University Village for new student housing; and other operational and planning studies. Keith and Schnars services have also included assistance with a parking management program with a focus on special televised sporting events, in addition to active participation in meetings with city staff, neighborhood associations, and the City Commission.

**Client(s):** University of Miami

**Contact:** Veronica Altuve, Mobility Director

**Phone:** (305) 284-6734

**Team Members Assigned:** Joe Gomez, P.E, José Rodriguez, P.E, Fadi Nassar, P.E, John Krane, P.E, Jake Ozyman, P.E

**Fees:** \$695,000




# [ Forms and Affidavits ]

## ANTI-KICKBACK AFFIDAVIT

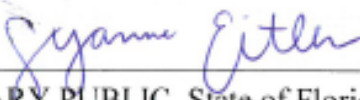
STATE OF FLORIDA                    )  
  : SS  
COUNTY OF MONROE                )

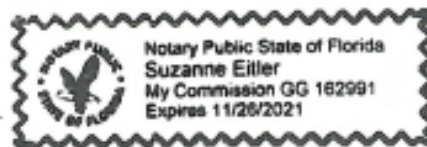
I, the undersigned hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the City of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

By:   
Joe L. Gómez, P.E.  
Senior Vice President of Engineering

Sworn and subscribed before me this

28 day of February, 2018.

  
NOTARY PUBLIC, State of Florida at Large



My Commission Expires: 11/26/21

## Public Entity Crimes Certification

### **SWORN STATEMENT UNDER SECTION 287.133(3)(a) FLORIDA STATUTES ON PUBLIC ENTITY CRIMES**

**THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICE  
AUTHORIZED TO ADMINISTER OATHS.**

1. This sworn statement is submitted with Bid, Bid or Contract No. RFQ # 18-001 for  
City of Key West - General Traffic Engineering Services
  
2. This sworn statement is submitted by Keith & Schnars  
(Name of entity submitting sworn statement)  
whose business address is 5835 Blue Lagoon Drive, Suite 303, Miami, Florida 33126  
\_\_\_\_\_ and (if applicable) its Federal  
Employer Identification Number (FEIN) is 59-1406307 (If the entity has no FEIN,  
include the Social Security Number of the individual signing this sworn statement.)
  
3. My name is Joe L. Gómez, P.E. and my relationship to  
(Please print name of individual signing)  
the entity named above is Senior Vice President of Engineering.
  
4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any Bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, material misrepresentation.
  
5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
  
6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means
  1. A predecessor or successor of a person convicted of a public entity crime: or
  2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.
  
7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which Bids or applies to Bid on contracts for the provision of goods or services

## Equal Benefits for Domestic Partners Affidavit

### EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT

STATE OF Florida )  
 : SS  
 COUNTY OF Broward )

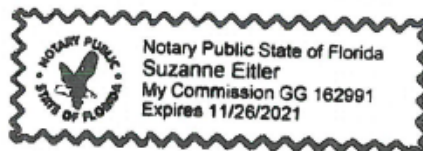
I, the undersigned hereby duly sworn, depose and say that the firm of  
Keith & Schnars provides benefits to domestic partners of its employees on the same  
 basis as it provides benefits to employees' spouses per City of Key West Ordinance Sec. 2-799.

By: [Signature]  
 Joe L. Gómez, P.E., Senior Vice President of Engineering

Sworn and subscribed before me this

28 day of February, 2018.

[Signature]  
 NOTARY PUBLIC, State of Florida at Large



My Commission Expires: 11/26/21



## Indemnification Form

### INDEMNIFICATION

To the fullest extent permitted by law, the CONSULTANT expressly agrees to indemnify and hold harmless the City of Key West, their officers, directors, agents, and employees (herein called the "indemnitees") from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees and court costs, such legal expenses to include costs incurred in establishing the indemnification and other rights agreed to in this Paragraph, to persons or property, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of the CONSULTANT, its Sub-consultants or persons employed or utilized by them in the performance of the Contract. Claims by indemnitees for indemnification shall be limited to the amount of CONSULTANT's insurance or \$1 million per occurrence, whichever is greater. The parties acknowledge that the amount of the indemnity required hereunder bears a reasonable commercial relationship to the Contract and it is part of the project specifications or the bid documents, if any.

The indemnification obligations under the Contract shall not be restricted in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the CONSULTANT under workers' compensation acts, disability benefits acts, or other employee benefits acts, and shall extend to and include any actions brought by or in the name of any employee of the CONSULTANT or of any third party to whom CONSULTANT may subcontract a part or all the Work. This indemnification shall continue beyond the date of completion of the work.

CONTRACTOR: Keith & Schnars

SEAL:

5835 Blue Lagoon Drive, Suite 303, Miami, Florida 33126

Address



Signature

Joe L. Gómez, P.E.

Print Name

Senior Vice President of Engineering

Title

02/28/2018

Date

## Cone of Silence Affidavit

### CONE OF SILENCE AFFIDAVIT

STATE OF Florida )  
 : SS  
 COUNTY OF Broward )

I the undersigned hereby duly sworn depose and say that all owner(s), partners, officers, directors, employees and agents representing the firm of Keith & Schnars have read and understand the limitations and procedures regarding communications concerning City of Key West issued competitive solicitations pursuant to City of Key West Ordinance Section 2-773 Cone of Silence (attached).



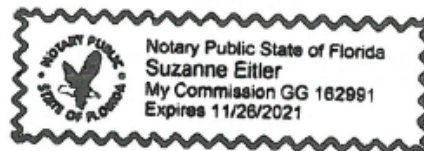
Joe L. Gómez, P.E.

(signature)

2/28/18  
 (date)

Sworn and subscribed before me this

28 Day of February, 2018.

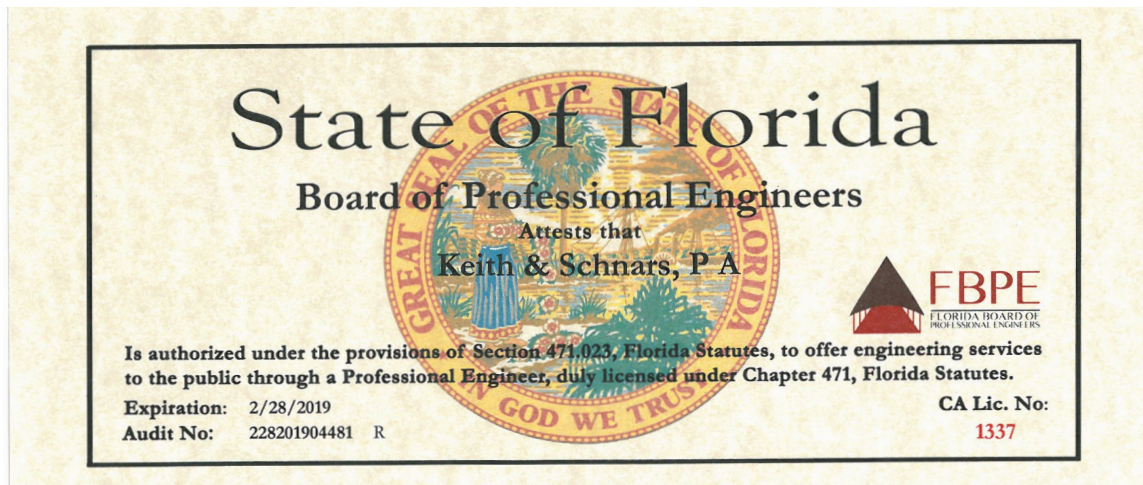


Suzanne Eitler  
 NOTARY PUBLIC, State of Florida at Large

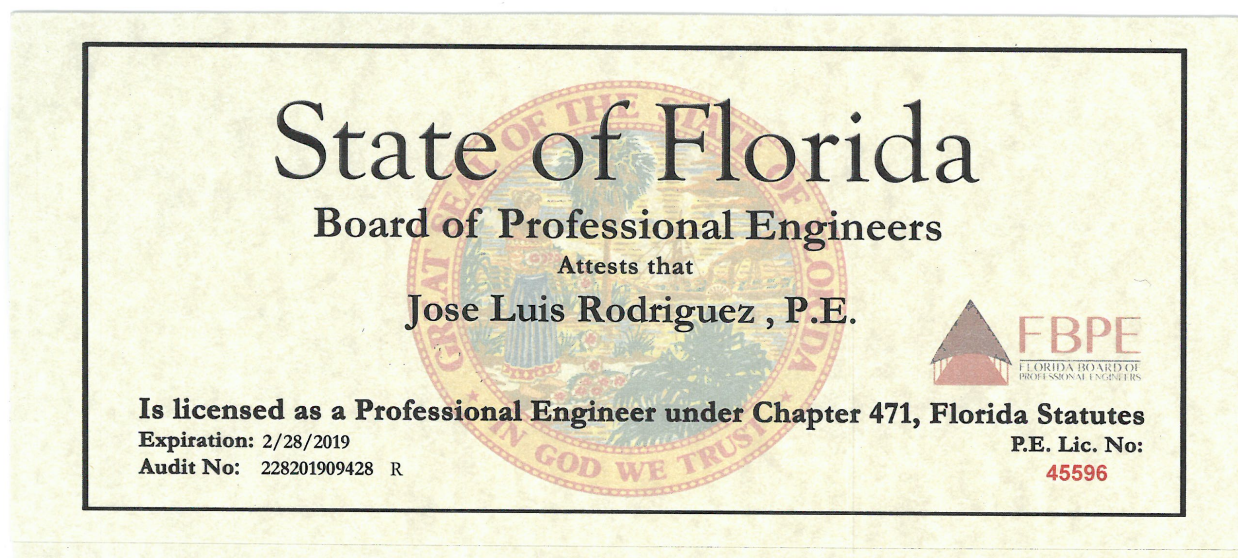
My Commission Expires: 11/26/21

## [ Licenses ]

### Keith & Schnars - Engineering License



### Jose Rodriguez, P.E.





## Fadi Emil Nassar - PTOE

### Transportation Professional Certification Board Inc.

1627 Eye Street, NW • Suite 600 • Washington, DC 20006 USA • Tel: 202-785-0060 • Fax: 202-785-0609 • www.tpcb.org



April 6, 2015

Fadi Emil Nassar  
Byblos Engineering, Inc.  
6362 Buena Vista Drive  
Margate, FL 33063 USA

The Transportation Professional Certification Board (TPCB, Inc) is pleased to inform you that your PTOE certification has been renewed through 4/7/2018.

You will not be receiving a new certificate as the one sent to you does not indicate an expiration date and can be displayed as long as you are a certified PTOE. Note that your certificate shows your original certification date.

During your three-year certification period, please be aware of the following requirements that will assist in your certification maintenance and future renewal:

- maintain at least one valid governmentally issued professional engineering license;
- demonstrate attainment of 45 of professional development hours, as required per the attached document.

Prior to the expiration of your PTOE, you will be notified of your renewal deadline. Additional examinations are not required if you renew within **three-months** of your expiration date 4/7/2018.

From time to time, TPCB will distribute a newsletter. If you would like to contribute to the newsletter, please send any items of interest to: [certification@tpcb.org](mailto:certification@tpcb.org).

Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,

Kenneth W. Ackeret, P.E., PTOE  
Chair, Transportation Professional Certification Board Inc.

## Fadi Emil Nassar, P.E.

# State of Florida

## Board of Professional Engineers

Attests that

**Fadi Emil Nassar, P.E.**

**Is licensed as a Professional Engineer under Chapter 471, Florida Statutes**

**Expiration: 2/28/2019**

**Audit No: 228201919599 R**

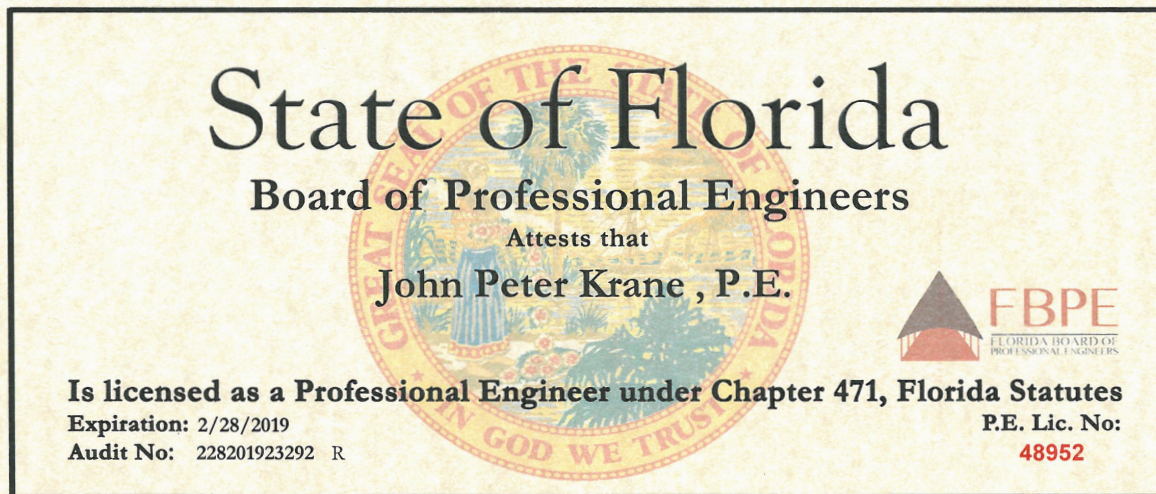


**P.E. Lic. No:**

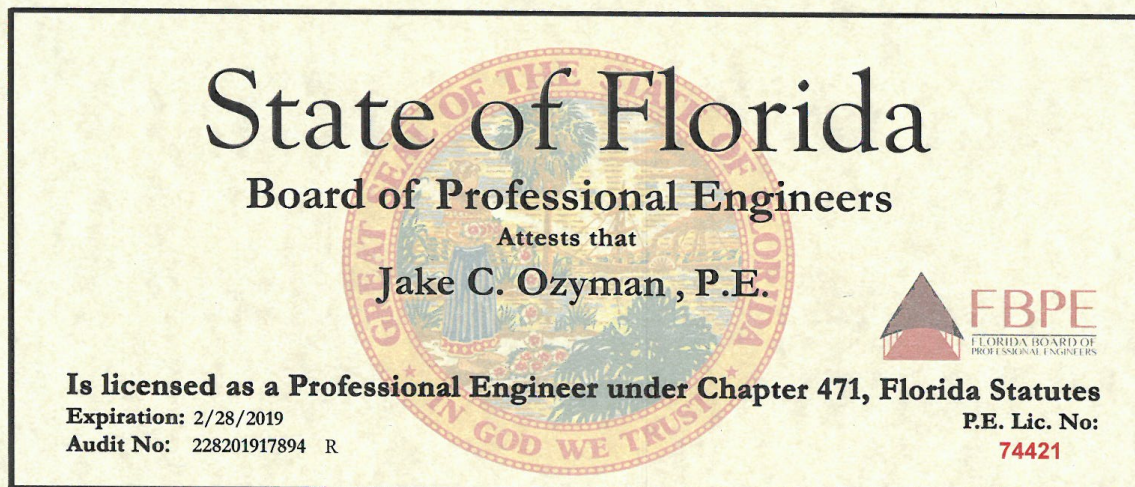
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**John Krane, P.E.**

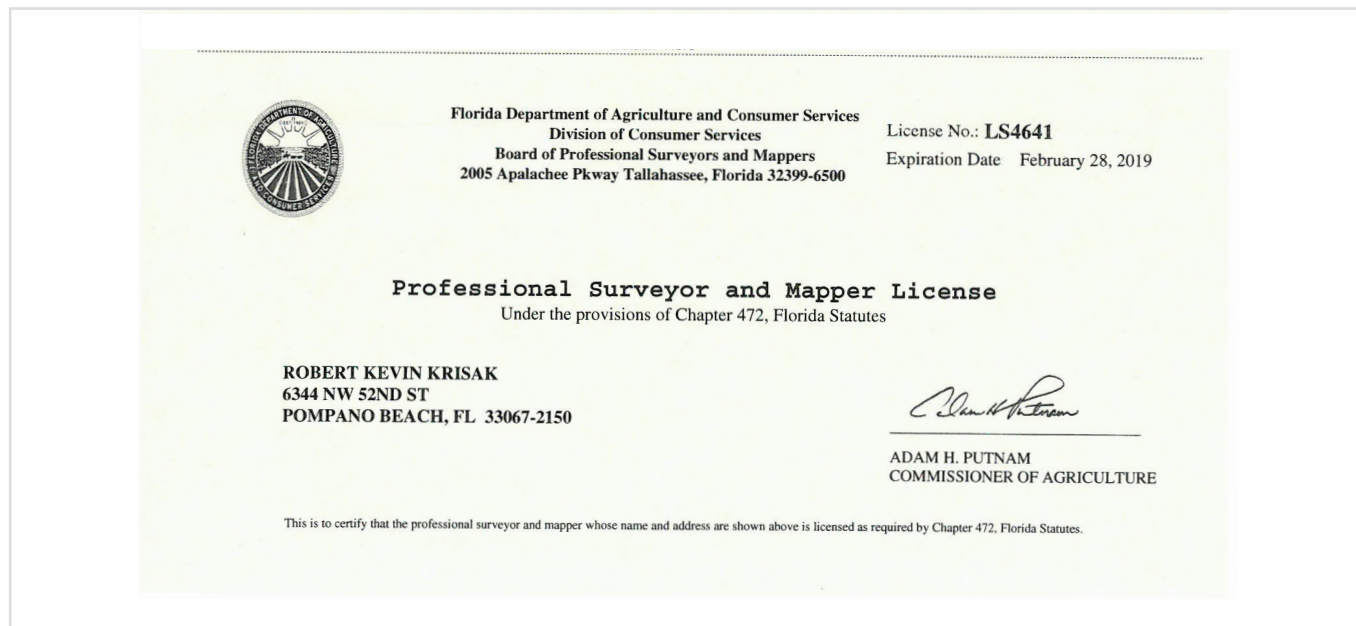


**Jake Ozyman, P.E.**

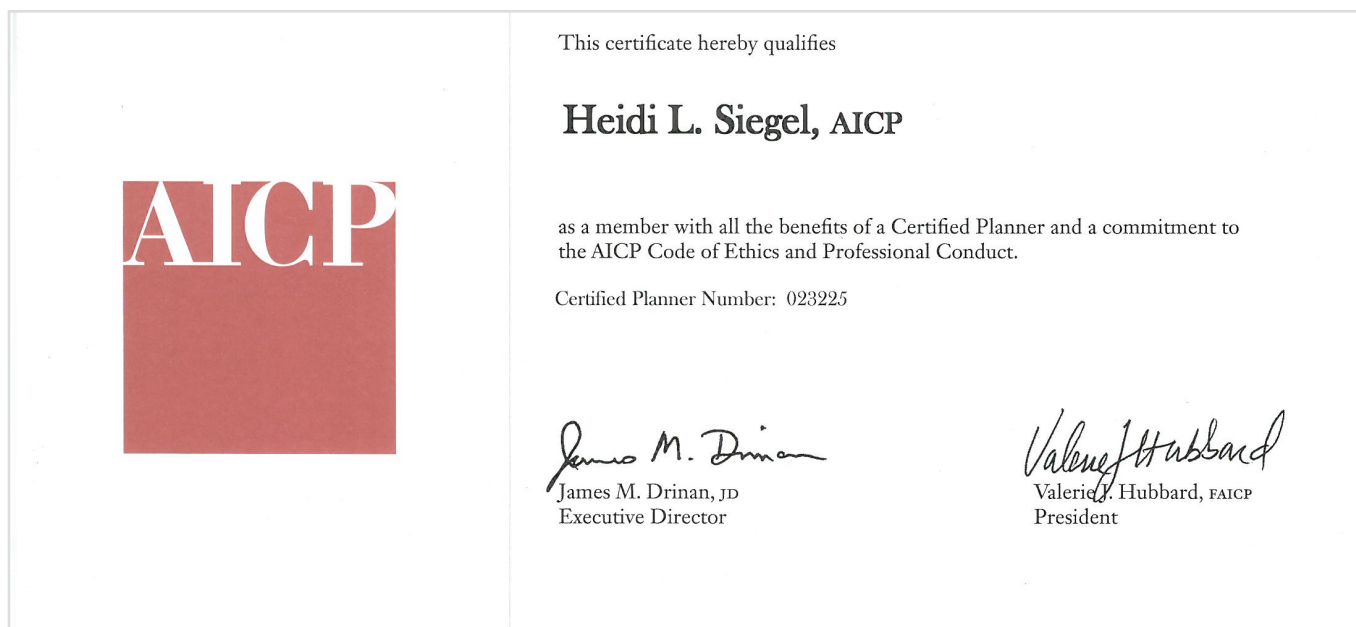




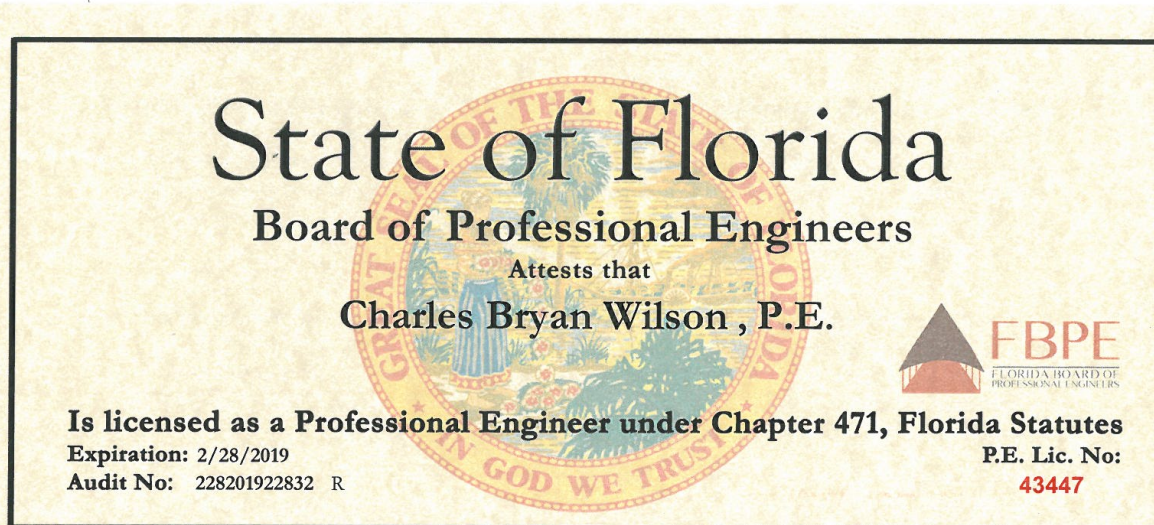
## Robert Krisak, P.E.



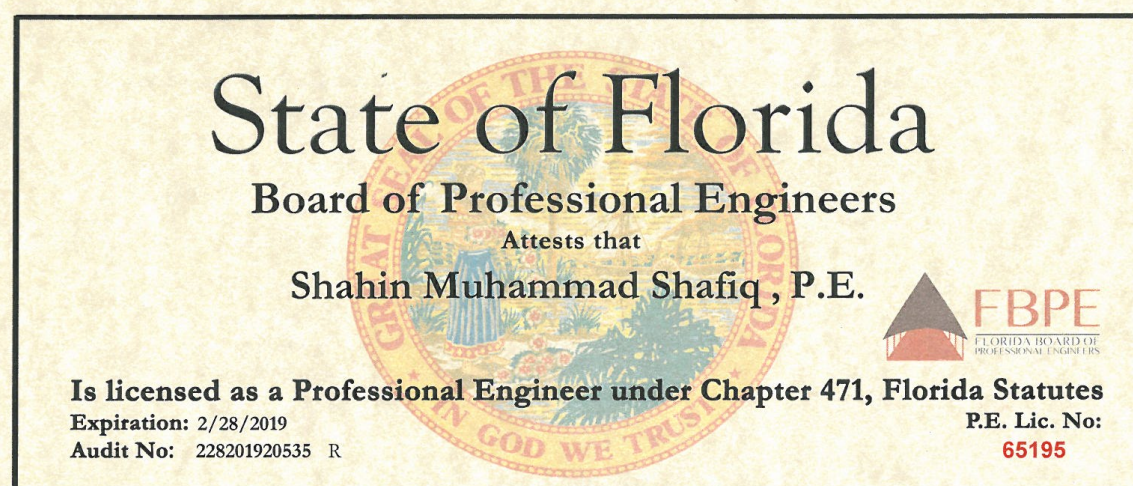
## Heidi Siegel, AICP



## Bryan Wilson, P.E.

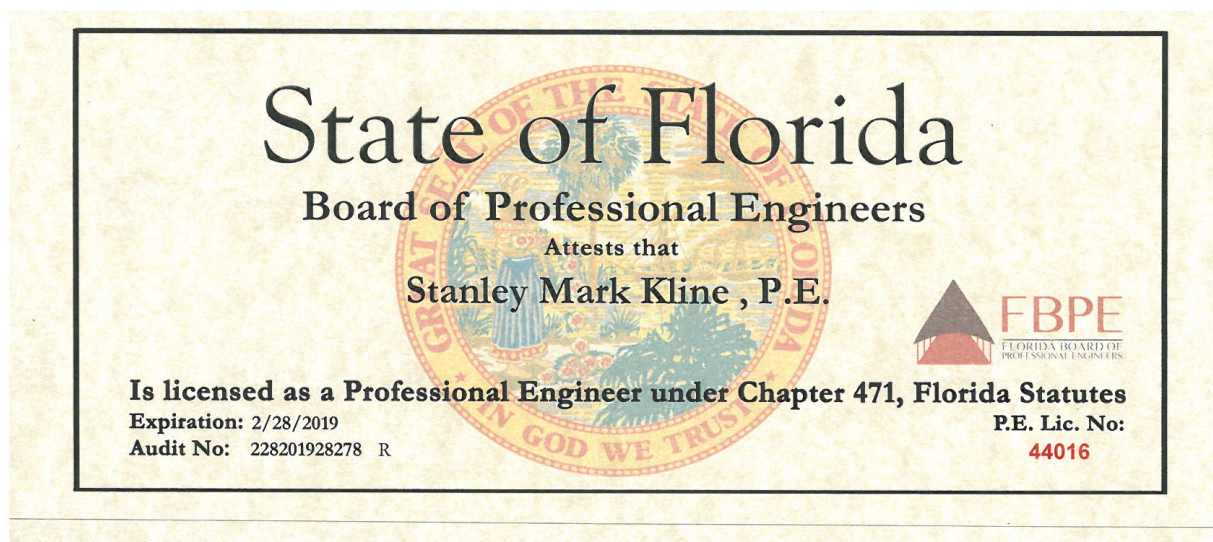
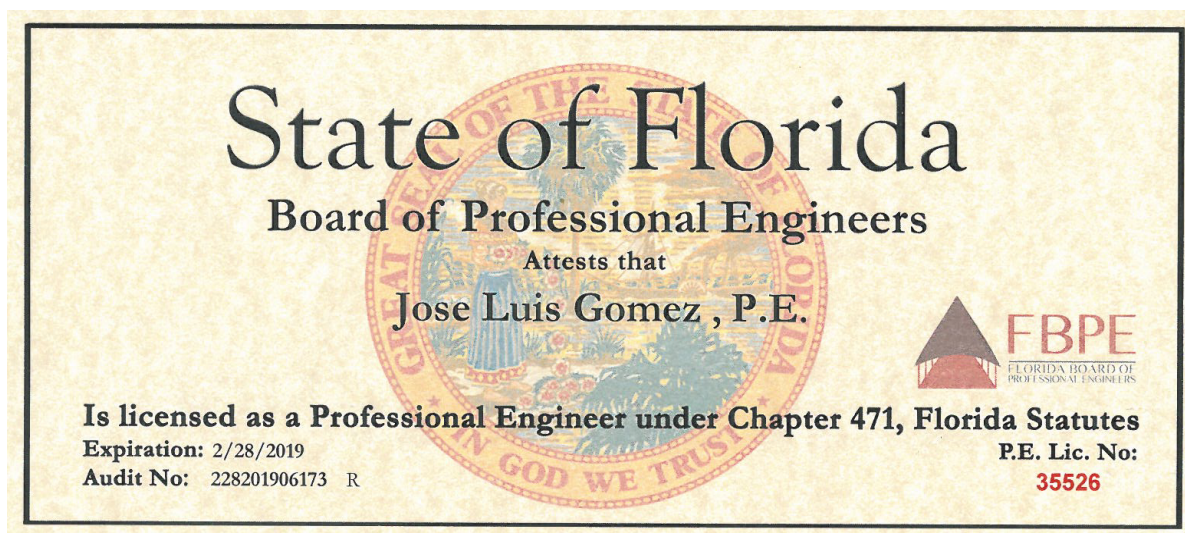


## Shahin Shafiq, P.E.





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**Mark Kline, P.E.****Joe Gomez, P.E.**



ENGINEERS | PLANNERS | SURVEYORS

5835 Blue Lagoon Dr. Suite 303 Miami, FL 33126  
Phone: (305) 477 - 7667 | Fax: (305) 477 - 4474