



CITY OF KEY WEST

RFQ NO.: 23-003

REQUEST FOR QUALIFICATIONS

TRAFFIC ENGINEERING SERVICES



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1. Cover Letter

March 29, 2023

City Clerk, City of Key West
1300 White Street
Key West, Florida 33040

CALTRAN Engineering Group, Inc. (CALTRAN) is pleased to present to the City of Key West **Request for Qualifications (RFQ) #23-003 – Traffic Engineering Services.**

CALTRAN, established in 2011, is a local 40-person professional engineering Miami-Dade County firm certified as DBE, CBE, and MBE, with core services in transportation engineering. From its inception, **CALTRAN** Engineering has been identified as a leader in Traffic Engineering. Over the past 12 years, the firm has provided transportation and traffic services for Broward County, Miami-Dade County, the Florida Department of Transportation (FDOT), the Monroe County Planning Commission, and many other public and private agencies throughout South Florida.

We are a dedicated and goal-oriented engineering firm with a proven track record of success and uniquely specialized in the areas required by this RFQ. **CALTRAN** has the experience, qualified staff, and commitment to meet the City of Key West's traffic engineering needs while meeting your budget and schedule and the high standards you expect.

In addition to the depth of expertise our team brings, **CALTRAN** is providing the City with a dedicated Project Manager with a diverse project experience in Design & Traffic Engineering. **CALTRAN's** Project Manager, Mr. Juan Calderon PE, PTOE, has managed multiple on-call, task-team-oriented traffic, planning, and civil engineering contracts for 23. Calderon will be serving as a single point of contact with the City of Key West, Juan will make sure to manage the project's tasks within the budget and schedule. His experience as a principal providing many years of transportation projects in South Florida is unique and well-suited for this important role.

CALTRAN's all key personnel will be available for their respective position and committed to being on the project throughout its successful completion. Our current workload will not adversely impact this contract. The **CALTRAN** staff will be able to provide task redundancy and availability for any work associated with this contract. and we are licensed to practice transportation engineering services in Florida. Moreover, **CALTRAN** has No pending Litigation history.

CALTRAN is extremely interested in providing professional traffic engineering services for this contract, and giving our highest priority, we welcome the opportunity to provide the City of Key West with a top-edge group of professionals readily available to work with you

Sincerely,

CALTRAN ENGINEERING GROUP, INC.

Juan S. Calderon, PE, PTOE



2. Information Page

NAME OF PROPOSER: **CALTRAN Engineering Group, Inc.**

ADDRESS: **790 NW 107 Avenue, Suite 200, Miami, FL 33172**

TELEPHONE NUMBER: **Office (786) 456-7700**
Cellular (786) 449-5093

CONTACT PERSON: **Juan Calderon, PE, PTOE**

EMAIL ADDRESS: jcalderon@caltranguard.com

DUE DATE: **March 29, 2023**

RFQ TITLE: **Request for Qualifications Traffic Engineering Services**
City of Key West RFQ # 23-003



3. Organization Chart

City of Key West

Project Organization Chart: Request for Qualification Traffic Engineering Services – RFQ# 23-003



Project Manager
Juan S. Calderon, PE, PTOE, PTP, RSP1



Deputy Project Manager
Moe Lavasani, Ph.D., PE



QA / QC – Director of Multimodal Transportation
Jeannelia Liu, PE



Traffic Team

Design Team

Key Personnel

Carlos Perez, PE
Director of Planning



Stevan Gonzalez, PE
Senior Traffic Engineer



Juan Pablo Romero, EI
Senior Traffic Engineer



Smiley Urena, PE
Traffic / Design Engineer



Michael Colucci, PE
Director of Design



Eliciel Gonzalez, EI
Engineer Intern



Carlos Borges
Senior Designer



Services

Traffic Studies

Signal Warrant Studies

Corridor Traffic Analysis

Safety Analysis

Intersection Analysis

Signal Timing Plans

Trip Generation Studies

Crash Analysis

Arterial Analysis

Speed Studies

Level of Service Analysis

Collision Diagrams

Traffic Calming

Fatal Crash Review

Qualitative Assessment

Bicycle & Pedestrians Planning

Roadway & Street Design

Roadway Signage

Physical Timing of Traffic Signal

Traffic Operations Report

Roadway Capacity Calculating & Studies

Signalization Plans

Traffic Signal System Design

Traffic Signal Detection Systems

Traffic Volume Counts

High Crash Site Safety Study

Parking Studies

Complete Streets

Turning Movement Counts

Technical Memos

Wayfinding Sign Program

Land Use Assessment

Review Plans

Traffic Data Collection

Cost Estimating

Transit Ridership

Traffic Operations Safety Reviews + Before & After

Permit Coordination

ADA Compliance

Liaison Services with Governmental Agencies

TTC

Public Involvement



4. Company Information

With over 40+ staff, **CALTRAN** is a Miami-Dade County-certified minority and disadvantaged business enterprise. It is headquartered in South Florida and is a professional engineering firm established in 2011. We have demonstrated exceptional organizational and coordination skills by providing services to various municipalities in South Florida such as Broward, Miami-Dade counties, and Florida Department of Transportation (FDOT) Districts 4 and 6.

CALTRAN's core services include civil, traffic, and transportation engineering, transportation planning, roadway design, and data collection and analysis. To meet the current and future transportation and traffic engineering challenges of a wide range of clients, our highly qualified and experienced team strives to provide comprehensive and practical solutions. We offer cost-effective and responsive engineering services focused primarily on secure, efficient, and environmentally-sound solutions based on client needs



CALTRAN's primary specialty is in the areas required by this RFQ to support the Traffic Engineering Division of the City of Key West. Our staff has been involved in transportation and traffic contracts with Miami-Dade County, FDOT, and municipalities such as City of Marathon and Islamorada as well as many other public and private agencies and entities throughout Florida, providing services similar to those required under this RFQ. We have successfully delivered traffic studies, reviews, intersections and signals, traffic calming, data collection, on-call services as-needed, traffic impact analyses, traffic forecast analyses, data collection including traffic counting, queue analyses, traffic circulation/access plans, parking requirements, and studies, bicycle and pedestrian planning, roadway capacity calculations and studies, roadway signage including warrants and design, traffic signal detection systems and design, the timing of traffic signals and wayfinding sign program, and any other technical analysis that may be requested on a case-by-case basis. We will combine our skills and knowledge to successfully deliver this Traffic Engineering Services contract in all areas identified in this RFQ. Our team has expertise in all scope areas to advance any project, and we are prequalified for many workgroups under FDOT technical certification program including traffic engineering services and Intelligent Transportation Engineering.

CALTRAN has offices in Miami-Dade, Broward, and Hillsborough Counties. Our Miami Office is responding to this RFQ # 23-003: Traffic Engineering Services. Our local portfolio includes specific client satisfaction, as exemplified by the fact that we have continuously worked with various Traffic Engineering departments and FDOT. We have an exceptional, well-qualified team with a depth of staff, a precise mix of talent and expertise, relevant project experience, and familiarity with the Monroe County Engineering, Roads & Bridges, and FDOT. We will ensure that work and schedules are maintained under all circumstances, delivering ahead of schedule and meeting or exceeding all project challenges. We have developed a comprehensive quality control plan, know the key issues, understand the overall scope, and have the qualifications and experience to complete all assignments successfully. All key personnel will be available for their respective position and committed to being on the project throughout its successful completion.

We are staffed with Professional Traffic Operations Engineers, Roadway Designers, Safety Engineers, GIS Specialists, and Planners. **CALTRAN's** staff has been involved in transportation and traffic contracts, providing similar services to those required by the scope of this contract. **Juan Calderon, PE, PTOE**, and **Moe Lavasani, Ph.D., PE**, will be 100% available to assist the City's project manager as needed and with the most qualified engineers in their respective fields.



5. Methodology and Approach

Our commitment to the City of Key West is to produce and provide cost effective solutions to today's complex transportation needs while meeting budget and schedule and exceeding your expectations through our high quality products. The **CALTRAN** team will be ready to tackle any assignment under this contract and give it **our highest priority**.

Our team can handle various tasks, and each task work order will have the task leader most suited for each assignment. We understand that the execution of many of these districtwide task work orders is time sensitive. We commit to meeting the City of Key West Project Manager's expectations regarding quick proposal turnaround times. Immediately upon receiving notice of the task, Juan will coordinate to ensure clarity of the assignment before coordinating with our team to assign the most qualified staff to work on completing the proposal, schedule, and budget aligned with the city's goals.

Juan Calderon, PE, PTOE, will be the **CALTRAN** team Project Manager and primary point of contact. Juan will support the City of Key West Project Manager with a comprehensive knowledge of traffic engineering, planning processes, bicycle, and pedestrian planning, complete streets, smart growth, livable cities, integration of transportation and land use, economic and financial analysis, transportation-related urban design, and communicate the team's hands-on familiarity with related processes and procedures. Juan looks forward to closing communication and collaboration with city staff and commits to:

- Be proactive on all communication/coordination elements.
- Be responsible for the overall delivery of tasks within the contract.
- Ensure key management elements (e.g. communication, understanding, schedule, budget, quality control).
- Develop a Project Procedures Manual for the contract, including history, the scope of work, schedule, payout curve, commitments, contact information, QC plan, and sub-consultant agreements.
- Maintain significant availability and focus for this contract and be responsive throughout the contract duration.

Juan has over 23 years of experience in traffic/transportation engineering and has a master's degree in Civil Engineering. He has managed multiple transportation engineering and planning projects with Miami-Dade County, FDOT, and various municipalities in South Florida by providing direct support in planning, traffic, and safety projects. He has also participated actively in preliminary engineering reports, design projects, planning, traffic studies and warrants, development of alternatives, conceptual designs, corridor studies, simulation, and GIS and has managed or directed projects that encompassed traffic impact studies, traffic circulation, PD&E, modeling, and traffic forecasting signalization, scoping reports, and safety countermeasures. He is intimately familiar with transportation projects that involve traffic analyses, parking studies, site inspection, planning, traffic calming, traffic safety studies, and transit.

Within Traffic Engineering contracts, he has participated actively in traffic engineering/safety studies reports, design projects, planning, development of alternatives, conceptual designs, corridor studies, simulations, and GIS, as well as, managing or directing projects that encompassed traffic impact studies, school zones, school traffic circulation, modeling, and traffic forecasting, signalization, and safety countermeasures.

In regards to recent projects, he has served as lead or has been in direct contact with Monroe County staff in significant projects such as the feasibility study for Card Sound Road, including leading the presentation for stakeholders, intersection/signalization improvements, other significant projects



includes working with big developers such as the Countyline Traffic Impact Study adjacent to the American Dream Mall, school zones improvements with Miami-Dade Public Schools, Hard Rock Stadium Formula 1 Maintenance of Traffic (MOT), among others..

CALTRAN's experience and expertise will be put to work for the city. We will become the most reliable consultant to fulfill engineering assignments that include all traffic engineering analysis and operations as detailed in the scope.

Control of Budget and Schedule - Regarding importance, Project Schedule is invariably tied to Quality and Budget. These three critical elements form the backbone of Project Management. While upholding quality is paramount, a project on schedule is also looked upon favorably by all. Submitting any assignment on or before the finish dates will have a positive effect on the overall schedule and will support our absolute commitment to meeting deadlines.

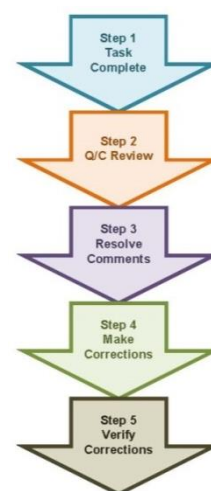
Our approach to budget control begins with an effective understanding of all assigned tasks and a complete understanding of project constraints. This follows with preparing an optimized schedule to complete the project in the most timely and cost-effective way.

We will ensure an accurate staff-hour estimate is developed, which is based on the scope of work, including (a) approved contract staff rates; (b) levels of personnel required, and (c) distribution of work among levels of personnel. We will assist the City's Project Manager in documenting work, preparing the staffing estimates for each task, tracking the fund's expenditures and projections, making adjustments to control the budget as necessary, and addressing any other miscellaneous items.

CALTRAN understands that a schedule is intended not only for the consultant but also for the City of Key West to coordinate their resources for reviewing submittals and for reporting to other members.

QA/QC and Invoicing- Quality Control and timeliness of invoicing are important as well. **CALTRAN** understands that timely submittal and accuracy of invoices are critical. We will ensure invoices are accurate and services were rendered within the terms of the agreement and will be supported with documentation with the requested billing period. All invoices will be sent to the City of Key West, and we understand that invoices will be submitted after services have been rendered.

Our QC/QA program institutes the standards of quality control to be applied to all of our deliverables. Every project deliverable undergoes a QC/QA review that entails a colored-coded process that includes checklists and peer reviews by staff not involved in production. The plan will clearly define the names of the responsible production personnel, as well as, all reviewers for each discipline. When deliverables are ready for QC review, they must go through a five-step QC/QA process: **1. Lead technical professional (LTP) delivers the document to the quality control reviewer (QCR). 2. QCR performs review and returns comments to LTP and marks items checked and agreed or items that may need correction. 3. LTP reviews the comments and indicates concurrence, or if there is a difference of opinion, the resolution is provided by a third technical resource. 4. Agreed changes are made to the document by the LTP, and a clean, revised document is sent back to the QCR. 5. QCR checks the revised document & verifies that the appropriate changes have been made.** *Our QC is built on past experience and lessons learned. Special emphasis will be placed on constructability through our CEI group, ensuring that quantities are accurate to avoid change orders.*



Management of Tasks - Financial oversight of each Task Work Order (TWO) is a critical factor in the management of this contract. Each TWO will be treated as an independent mini-contract. We have the tools and proven pro-active management approach to monitor the burning rate for each of TWO, cost. Schedule controls with the Contract Management team that takes ownership and accountability.



Value Engineering - We will use Value Engineering Control elements and techniques as part of each assignment. A collaborative approach with the City will enable us to discover and implement value-added features to the most significant aspects of each project, from the Overall Project Concepts to the final Construction process.

On-Call as Needed Services - Our team will review the scope for all assignments and meet with the City's Project Manager to ensure that assignments are properly scoped. A thorough understanding of the scope will be the basis for completing any assignment.

Safety - Safety is of utmost importance to our team. **CALTRAN** is committed to safety, and all personnel will have all the tools to execute their jobs safely. They are all trained to recognize all the hazards that could be encountered on the job. We will ensure that a committee is put in place to ensure safety from the beginning of the project. A task safety plan will be prepared, which will identify safety conditions, any at-risk activities, and procedures to handle those activities. Training will be part of our plan. This plan will be used during the entire contract duration and geared toward each phase. It is imperative to maintain a safe environment for our personnel working on the street, the properties, and the general public, including motorized and non-motorized. This plan, from project onset to closeout, will avoid any unfortunate events.



Public Outreach - **CALTRAN** has a long-standing commitment to all stakeholders, and we provide multiple opportunities to be involved in our transportation delivery process, regardless of phase. We make every effort to engage the public, and we will support the city as needed. We will also keep all stakeholders informed and updated as the project or plan progresses.

CALTRAN will coordinate with the City for Community Awareness Plan (CAP) as needed that considers the goals and objectives of each project. CAP will ensure widespread, ongoing, and meaningful participation of the key stakeholders with a focus on relevant partners such as FDOT, Officials, and city staff.

As a minimum, our public involvement plans will include the following:

- ◆ Gathering information related to the project's goals and objectives.
- ◆ Effectiveness of a coordinated and well-delivered Information, education, and communication strategy based, so the community understands and accepts the project and its objectives.
- ◆ Inform the public and stakeholders of the study-related material, approach, data collection efforts, meeting minutes, etc.
- ◆ Educate the public and stakeholders on the benefits of the project. At the same time, provide countermeasures for impacts based on a range of transportation and livable solutions.
- ◆ Engage the public and stakeholders through different channels and opportunities, making them part of the decision-making process.
- ◆ Target audiences through listening sessions.



Cost Control: Our policy is to provide the most valuable engineering concepts through cost-effectiveness for the conditions given. **CALTRAN** has demonstrated these capabilities on previous projects of this type. Cost control is provided through a custom accounting system software, which tracks project costs and provides project performance and billing information. **CALTRAN's** Project Manager uses accounting information and a project status system to track performance regularly.



6. Personnel

As a dedicated, goal-oriented engineering firm with a proven track record of success, **CALTRAN** offers a local team with experience, overlapping resources, and staffing expertise to satisfy the broad scope of this contract. Our staff has been carefully selected for this contract based on four main factors:

1. Experience with similar projects. 2. Familiarity with FDOT and City processes. 3. Commitment to quality. 4. Availability. The organizational chart identifies each team member and their roles in this project.

The success of any project is largely dependent on the staff assigned. We have carefully assessed the project requirements and offer the City of Key West a team with a proven record that will work as an extension of city staff. Team members have been providing traffic engineering services for years and have completed numerous projects. No other team will have this combination.

Our project team structure promotes clear lines of authority and communication between team staff and the city. **Juan Calderon, PE**, will serve as Project Manager; he will be the single point of contact with the City of Key West and will be responsible for project administration.

All members hold an active Florida Professional Engineer License or Engineer Intern Certificate. **CALTRAN** provides the flexibility and availability to complete simultaneous tasks without compromising quality. Listed are key staff that will be available and committed to the project throughout its successful completion. Juan Calderon will be available as of the Letting Date of this contract to assist the City of Key West Project Manager as needed.

Proposed key staff for this contract are highlighted in the table below and summarized in more detail in their résumé.

Team Member	Project Role	Years with CALTRAN	Years Exp.	Registration & License
Juan S. Calderon, PE, PTOE, PTP	Project Manager	12	25	FL PE 58569
Jeannelia Liu, PE	QA/QC	6	25	FL PE 57565
Carlos Perez, PE	Senior Engineer	9	23	FL PE 63521
Michael Colucci, PE	Sr Design Manager	1	25	FL PE 60706
Moe Lavasani, Ph.D., PE	Traffic Engineer	8	11	FL PE 89159
Juan P. Romero, EI	Traffic Engineer	9	11	FL EI 1100018867
Stevan Gonzalez, PE	Traffic Engineer	6	6	FL PE 92663
Smiley Urena, PE	Traffic/ Design Engineer	3	6	FL PE 94033
Alvaro Saenz Sheen, PE	Traffic Engineer	5	5	FL PE 93239
Eliciel Gonzalez, EI	Engineer Intern	2	4	EI
Carlos Borges	Designer	2	18	N/A
Michael Hernandez	Sr Engineer Technician	9	11	N/A
William Dominguez Dennis	Sr Engineer Technician	7	11	N/A



Juan S. Calderon, PE, PTOE, PTP, RSP1

Education: MS in Civil Engineering, Florida International University, Miami, 1999 | BS Civil | Engineering, University Santo Tomas, Bogota, Colombia, 1997

Years of Experience: Total 24 years | 2011-Present -CALTRAN

Registration: Professional Engineer in Florida, No. 58569, 2002 | Professional Traffic Operations Engineer, No. 1301, 2004 | Professional Transportation Planner, No. 20, 2007

Professional Experience - Mr. Calderon has over 24 years of experience in traffic/ transportation engineering with a Master Degree in Civil Engineering. He has been involved in managing multiple traffics and planning engineering projects with the Florida Department of Transportation (FDOT) as well as multiple clients including Miami-Dade, Broward County, Cities such as City of Miami Gardens, City of Miramar, Coral Gables, City of Miami, City of Miami Beach, and private developers.

Within FDOT related contracts, he has participated actively as project manager in preliminary engineering reports, design projects, planning, development of alternatives, conceptual designs, corridor studies, simulation, GIS, as well as, managing or directing projects that encompassed traffic impact studies, traffic circulation, PD&E, modeling, and traffic forecasting signalization, scoping reports and safety countermeasures. He also has participated in tasks involving the Pavement Rehabilitation Work Programs, freight planning projects, highway and traffic data collection, functional classification/governmental jurisdictions, scoping reports, traffic operation analysis and modeling, and public involvement.

Mr. Calderon is intimately familiar with transportation projects that involve traffic analyses, planning, traffic calming, traffic safety studies, and transit. He is also specialized in traffic and transit data collection, traffic and transit data analysis, mapping using Geographic Information System (GIS) platforms, as well as, roadway design software.

Key Projects

FDOT D6 | Districtwide Traffic Operations Consultant (2018-2023) | Serving as prime consultant with over 85 tasks that included assignments such as qualitative assessments and traffic memorandums, pedestrian mid-block crossings, roadside protection, turn lanes, signal warrants, etc. Responding to public requests to address congestion and safety concerns. Provided

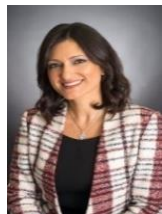
video-data collection, crash analyses, evaluation of predominant crash types and potential countermeasures for conceptual roadway and operational improvements. Prepare presentation for scoping and District leadership as well as coordination with stakeholders such as Miami-Dade County and several municipalities. *Contract No. CA139, FM 249796-9-32-01. Contact: Xaviel Llerena, xaviel.llerena@dot.state.fl.us; 305-470-5402*

FDOT D6, Signal Re-timing Continuing Services (2019-2023) | Signal retiming and fine-tuning analysis to reduce vehicular delay and improve mobility of motorized vehicles along 9 signal sections. Before and after analysis included travel time and travel speed performance analysis, field assessments of traffic congestion, vehicle travel time/speed data collection. Evaluation of real-time output from RITIS. *Contract: CA084, FM 435201-4-32-01 Contact: Carlos Francis, P.E., PTOE, Choice Engineering, 786-250-5526, cfrancis@choiceeng.com*

Miami Dade County Vision Zero | (2020-2023) Evaluation of intersections and corridors per commissioner districts for predominant causes and probable countermeasures of implementation of safety countermeasures as part of the Safe Streets for All grant program applications. Perform field reviews, identification of clusters, crash analysis, detail evaluation of severity causes, identification of measures and conceptual design evaluation. *Contract: Miami-Dade County E19-DTPW-11 Contact: BCC Engineering, Lorin Brissett, PE/Alfred Lurigados, PE; 954-928-1828; alurigados@bbcceng.com*

FDOT D4 | D/W Traffic Operations Safety Reviews and Studies | (2020-2023) Perform pedestrian and traffic counts as well as field reviews as part of crosswalk warrant analyses and traffic studies. *Contract: FM No. Contact: Kimley-Horn' Ravi Wijesundera, PE, RSP; Ravi.Wijesundera@Kimley-horn.com 954-535-5153;*

Continuing Architectural and Engineering Services, City of Miami Gardens (2019-2023) | Provided general consultant services including support to City, advising role as part of implement F1 race track at Hard Rock Stadium, evaluation of plats and site plans, serve as peer reviewer for traffic impact and parking variances applications as well as Citywide Traffic Calming Study and Citywide Lighting Study. *Contract No. ITB No. 18-19-008 Contact: Tom Ruiz, Public Works Director, 786-279-1260, truib@miamigardens.fl.gov*



Jeannelia Liu, PE

Education: BS in Civil Engineering,
University of Miami, 1996

Years of Experience: Total 24 years | 2014-
Present - CALTRAN

Registration: Professional Engineer in
Florida, No. 57565, 2001

Professional Experience - Mrs. Liu has a wide-range of experience in consulting engineering and throughout her 24-year career. Her experience includes more than fifteen years providing project management services to various GIS, planning, studies and data collection projects. Mrs. Liu has produced a vast number of scoping reports for reconstruction and resurfacing roadway projects and has been involved in numerous roadway design and planning projects in FDOT. Additionally, she was involved in the Pavement Management Process since it was first implemented in FDOT District Six.

Key Projects

FDOT D6 | SR-A1A/Collins Avenue Multimodal Corridor/Frontage Road Repurposing/Lane Elimination Study, (2020-ongoing) | Project consists of a multimodal corridor study along a 1.3-mile section of SR A1A/Collins Avenue from 4700 Block to 5800 Block from MP 7.079 to MP 8.406/Indian Creek Drive. The purpose of this corridor study is to identify, develop and evaluate potential multimodal improvements that will address existing and future mobility focusing on pedestrian, bicycle, and transit needs in the area. The study will also evaluate the feasibility of implementing dedicated transit lanes, bicycle lanes, additional crosswalks. Alternatives will examine providing these facilities through the potential elimination of the frontage road. *Contact: CA822, FM 434773-3-22-01; Contact: Dan Hardy, P.E., PTP, Renaissance Planning, 703-776-9922, dhardy@ciesthatwork.com*

SMART Plan TPO Consultant, (2017-ongoing) | Sub-consultant to Atkins, responsible as traffic engineering advisor for evaluating EW corridor Land Use Scenario and Vision Plan. Included literature reviews, data gathering, participation in corridor charrettes, evaluation of STRAVA data to estimate pedestrian and bicycle activity trips along transitway corridor and at proposed stations to identify need for access improvements, bike parking, and other amenities to eliminate barriers and maximize comfort of non-motorized patrons based on proposed stations. Included similar pedestrian/bikes analysis for beach and northeast corridor. *Contact No. Miami-Dade E-17-TPO-01, Contact: Jack Schnettler, Atkins North America, Inc., 305-514-3369*

City of Miami Gardens | Continuing Architectural and Engineering Services (2014-Ongoing) | Provided traffic and roadway design engineering services for projects authorized by

City. Included plats review and survey acceptance for 15+ plats, traffic impact peer review process for Walmart, Family Dollar Store, and Top Golf driving range. Advising role as part of noise evaluation study to implement F1 race track at Hard Rock Stadium, evaluation of plats and site plans, serve as a peer reviewer for traffic impact and parking variances applications. *Contract No. ITB No. 18-19-008, Contact: Tom Ruiz, Public Works Director, 786-279-1260,*

FDOT D6 | Iron Triangle (2016-2018) | This project intends to provide alternatives for improvements at the interchange of SR 112/LeJeune Road/Okeechobee Road. As part of the tasks assigned includes evaluation of existing conditions, traffic data collection including big data evaluation for origin-destinations (HERE, Bluetooth, and Streetlight), operational analysis of microsimulation model development, provide documentation for the Design Traffic Technical Memorandum (DTTM). Conceptual improvements assessment for Tier 1 and Tier 2 including long and short-term improvements. Provide final recommendations, assist in cost estimates and support in public involvement. *Contact: Ana Elias/Jacobs (954)246-1243.*

Miami-Dade County DOT & Public Works, Miami, FL | SW 328th St from SW 187th Ave to US-1 Signal Improvement (2016-2020) | Responsible for preparing contract documents including plans, specifications; supporting engineering analysis, calculations and other technical documents in accordance with DTPW policy, procedures, and requirements for signalization improvements and school zone upgrades. Prepared cost estimates, performed field reviews, attended technical meetings, performed QA/QC, developed signalization plan, key sheets, pay items, tabulation of quantities, conducted post design services. *Contact: Ali Memari, Miami-Dade County Public Works, 305-375-3015, Almemari@miamidade.gov*

FDOT D6, SR 90/SW 8 Street and SR 953/LeJeune Rd Intersection Improvement, (2014-2016) - Included roadway design for safety intersection improvements following PPM, preparation of S&PM, Maintenance of Traffic (MOT), signalization following FDOT standards and PPM, public involvement. *Contract No. C9D93, FM No. 4332661321; Contact: Danny Iglesias, FDOT D6, 305-470-528; danny.iglesias@dot.state.fl.us*

FDOT D4 | SR-708/Blue Heron Blvd and Ave S, Broward County, FL (2014-2018) | Intersection improvements at Blue Heron Blvd and Ave S with substandard curb radius at all four corners; adjusted for FDOT design vehicles, new signalization and lighting, modified for new mast arms and lighting poles. *Contract No. C1431, FM No. 435144-1-32-01; Contact: Jorge Maspons, P.E., 305-450-2693; Scott Thurman, FDOT D4, 954-77-4135*



Moe Lavasani, PhD., PE

Education: Ph.D. Civil Engineering, Florida International University, FL 2016

Years of Experience: - Total 10 years | 2016-Present-CALTRAN | 2013-2016 - Florida International University, PhD Student

Registration: Professional Engineer in Florida, No. 89159, 2020

Professional Experience - Mr. Lavasani is a civil engineer, with more than ten years of experience who has been involved in various GIS and planning projects, traffic impact analysis studies and data collection projects. He is working as a Transportation Planned and Travel Demand Modeler with expertise in GIS Programming with CALTRAN Group since January 2016. He is experienced in conducting planning and ArcGIS studies, a highlighted one is developing a methodology to use HERE travel data to show a selected performance measure on ArcGIS and Google Earth for Florida's State Highways. He also has experience in transportation model studies including SERPM, NERPM, GTCRPM, and also various types of traffic studies including traffic counts, turning movement studies, travel time and delay studies, parking studies and traffic impact studies. He is responsible for developing different scenarios for future traffic forecasts. During his PhD, Mr. Lavasani evaluated the implications of autonomous vehicles (AVs) in south Florida's transportation demand model. In this research he applied the effects of driverless cars on the SERPM 7 model using Cube software with the results presented in the 2017 Transportation Research Board in Washington D.C

Key Projects

FDOT D7 | CALTRAN is supporting with their routine traffic counts and special counts. Mr. Lavasani is the project manager for this contract which manages all the counts and special tasks. The contract include routine counts in FDOT D7 (Hillsborough, Pinellas, Pasco, Citrus and Hernando Counties), traffic monitoring site inspections and special counts.

City of Miami Gardens | Traffic Calming Master Plan (2022) | Under Continuing Architectural and Engineering Services, CALTRAN provided a traffic calming master plan for the City roadways. The task included traffic volume and speed data collection along +100 stations within City limits, also characteristics of roadway, existing traffic calming devices and grading of roadways based on criteria for future traffic calming needs.

Miami-Dade County | US-1 Multimodal Transportation Study (2022) | CALTRAN provided traffic engineering support to compile a report which includes existing transportation conditions and LOS for US-1 highway along Miami-Dade County from the Dadeland South Station to SW 344th Street. The report presented pedestrian and bicycle activity (using Strava data), US-1 LOS based on FDOT data, V/C ratio, transit LOS, pedestrian LOS and bicycle LOS, in addition to intersection LOS and queue.

Charlotte County and FDOT D1, SUN Trail Extension Feasibility Study (2020-2022) | Mr. Lavasani was the Project Manager for this JPA (Charlotte County, FDOT D1 and Charlotte-Punta Gorda MPO), during which CALTRAN conducted a feasibility study for the extension of SUN Trail between Myakka River Forest in Gulf Cove along SR 776/S McCall Rd. to the intersection of US 41/Tamiami Trail. The project included performing field visits and collecting traffic and demographic data, holding several meetings with various stakeholders and the public, providing planning level design and maps for three alternatives and proposing a recommended one based on different criteria. *Contract No. 2020001780; Contact: Mike Koenig, CPRP Resource Manager, 941-235-5003*

FDOT D6 | Districtwide Complete Streets, SW 26th Road Multimodal Operational Analysis (2020- Ongoing) | CALTRAN is providing traffic engineering and transportation planning support to FDOT D6 for districtwide Complete Streets contract. As part of this contract, Mr. Lavasani worked on SW 26th Rd multimodal operational analysis which includes traffic data collection, Streetlight Origin and Destination Analysis, Cube subarea analysis and Synchro microsimulation of proposed complete streets concept.

FDOT D6 | Districtwide Complete Streets, SW 13th Street Complete Streets Study (2020- Ongoing) | CALTRAN is providing traffic engineering and transportation planning support to FDOT D6 for districtwide Complete Streets contract. As part of this contract, Mr. Lavasani worked on SW 13th Street project which is intended to remove existing on-street parking and replace it with a bicycle lane. The study includes traffic data collection, multimodal count, synchro analysis of existing and proposed scenarios and concept development.

SMART Plan TPO Consultant | (2017-2019) - Sub-consultant to Atkins, responsible as traffic engineering advisor for evaluating EW corridor Land Use Scenario and Vision Plan. Included literature reviews, data gathering, participation in corridor charrettes, evaluation of STRAVA data to estimate pedestrian and bicycle activity trips along transitway corridor and at proposed stations to identify need for access improvements, bike parking, and other amenities to eliminate barriers and maximize comfort of non-motorized patrons based on proposed stations. Included similar pedestrian/bikes analysis for beach and northeast corridor. *Contract No. Miami-Dade E-17-TPO-01; Contact: Jack Schnettler, Atkins North America, Inc., 305-514-3369*

Miami-Dade S 1st Street Complete Streets Concept Implementation (2018-2020) | The project was concocted by the Miami Downtown Development Authority (DDA) to evaluate possible improvements to the 1st street corridor (SE and SW) to increase multimodal safety, operations, and connectivity utilizing complete streets criteria and context-sensitive solutions approach. As planner and modeler lead on this task, Mr. Lavasani performed travel demand modeling to estimate trip changes, conducted analysis using Synchro software and simulated bus dedicated route intersections and provided public outreach support and also final design, in addition to before/after analysis. *Contact: Neal Schafers, Senior Manager, Miami DDA, 954-654-2833*



Carlos Perez, PE

Education: BS in Civil Engineering, Florida International University, 1999

Years of Experience: Total 24 years | 2013-Present - CALTRAN | 2003-2013 – Burns & McDonnell | 1999-2003 – Other firms

Registration: Professional Engineer in Florida, No. 63521, 2005

Professional Experience

Mr. Perez is a civil engineer with more than twenty-four years of experience in transportation statistics and planning for the Florida Department of Transportation (FDOT). He has provided Geographic Information Systems, Pavement Management System Analysis, Traffic Monitoring Site selection and design, Roadway Characteristics Inventory, Highway Performance Monitoring System, and Railroad Highway Crossing Inventory and Inspection consulting services to the FDOT in various districts. He is skilled in using MicroStation, ArcGIS, Aladdin, HCM software, MS Access, and other MS software. Mr. Perez has also been involved in the final design of roadway lighting and signalization plans for the Department RRR and reconstruction projects. He is a member of the FDOT Technical Task Force Committee for the State Transportation Statistics Office.

Key Projects

FDOT D6, Transportation Statistics Support No. 1 & 3, (2011-Ongoing) – Prime consultant responsible for engineering support at the Intermodal System Development Office in D6 and amongst other tasks includes; PTMS design through work program projects; Roadway Characteristic Inventory data collection and review; enhanced pavement deficiency evaluation and reporting. *Contact: Neil Lyn, (305) 470-5373*

FDOT D6, Traffic Operations Roadway Characteristics Inventory, (2017-Ongoing) – Project Manager responsible to provide professional and technical services to maintain the D6 Traffic Operations Roadway Characteristics Inventory (RCI) features, to perform professional engineering services for the traffic regulation approval process, as well as to provide

technical services of a miscellaneous nature involving traffic operations. *Contact: Jinyan Lu, PE, PTOE, (305) 470-5156*

FDOT D4, Districtwide Data Collection, (2005-Ongoing) – Quality Control Manager responsible for the Statistics Unit in the Planning Office. The project's assignments include 24,48, & 72 hrs. traffic counts, researching and recording data into the Roadway Characteristics databases, Straight Line Diagrams (SLD), traffic counts, jurisdictional transfers, and GIS services. *Contact: Autumn Young, (954) 777-4638*

FDOT D4, Traffic Operations Districtwide Data Collection Services (2014-Ongoing) – CALTRAN is currently providing consulting services to assure uniform procedures for the inspection and reporting of District Maintenance Office contracts, agreements, and permits. Services provided include but are not limited to, maintenance, engineering, inspection, and contract administration for the miscellaneous maintenance projects assigned. *Contact: Adalberto Acuña, PE, (954) 677-7886*

Heron Bay Master Transportation Plan and Traffic Calming Improvements Design, (2016-Ongoing) – Senior Engineer involved in the evaluation of the existing conditions of the Heron Bay Community, which includes over 2,200 units in the north-west area of Broward County, was performed to improve the roadway network quality for residents and visitors within the community by assessing gate entrance protocols, community's roadway network, traffic calming strategies, traffic control signs, warning signs, and pavement markings. Finally, as part of the project, it includes the design of the proposed improvements, construction cost estimates, and support during the bidding process. *Contact: Dean Andreozzi, (954) 575-2200*

FDOT D6, Maintenance and Permit Inspection, Contract No. C9G32, (2014-Ongoing) – Project Manager overseeing all on-site activities. Under this contract, CALTRAN provided onsite support in the collection of Maintenance RCI features. Quality control of data collection as well as data inputted into the RCI mainframe to ensure accuracy maintained. Conducted field reviews to cross-check if work needs are completed adequately. CALTRAN also assisted in GIS efforts and data collection for legal purposes. *Contact: Ernesto Polo, (305) 261-2006*



Michael Colucci, PE

Education: MS in Civil Engineering,
University of Miami, Miami, 1999

Years of Experience:

Total 25 years | 2021-Present -CALTRAN

Registration: Professional Engineer in
Florida, No. 60709, 2004

Professional Experience

Michael Colucci is a Senior Project Manager and Roadway Engineer that has worked on a variety of projects in Florida with over 23 years of experience in civil and transportation engineering, including project management, transportation planning, project development (PD&E), roadway/highway design, construction, and consultant management. He has been involved in the project management and development, analysis, review, and preparation of roadway modification, signing & marking, and maintenance of traffic plans, typical sections, right-of-way impacts, intersections, transit, pedestrian/bicycle facilities, and other features. His experience includes various aspects of highway design and characteristics, such as mainline/ramp horizontal and vertical geometry, including typical/cross sections and profiles.

Key Projects

FDOT D4 | SR A1A North Causeway Bridge Over ICWW in Fort Pierce (2/2020-9/2021) | Senior Engineer responsible for supervising the development of engineering drawings for replacing the North adjacent state, frontage, and access roads and railway crossings affected by the project. Causeway bascule bridge with a high-level fixed bridge offering an 85-foot vertical clearance. Scope of services includes the alignment, segmental bridge super and substructure design, drainage, MOT, ITS, geotechnical, hydrogeology, lighting, signalization, signage and pavement markings, utility/railroad/marine coordination, permitting, public involvement, maintenance, control, and protection of vehicular and marine traffic, as well as additional roadway design services which address.

FDOT D4 | SR 710 / Beeline Highway Interchanges from Northlake to Blue Heron Boulevards in Palm Beach County (2/2020-9/2021) | Senior Engineer responsible for quality control for the development of engineered MOT design plans for the expansion and reconstruction of a three-mile divided suburban highway segment, increasing from four to six lanes in each direction, incorporating highway widening improvements along the Turnpike and total replacement of the Turnpike Bridge over SR 710.

FDOT D6 | SW 1st Street / SR 968 Bridge Replacement in Miami (2020) | Senior Engineer responsible for revising post-

design roadway construction documents to replace the nationally-registered historic SW 1st St Bridge. The original 650.5-foot, 13-span bridge, constructed in 1929, is the gateway to downtown Miami. The new 507-foot bridge includes a 315-foot double-leaf bascule span over a widened 125-foot navigation channel. Two new approach spans consist of prestressed concrete beams provided at least 16.5 feet of clearance over North and South River Drives. An Exodermic concrete deck protects the steel superstructure and provides a safer/quieter riding surface.

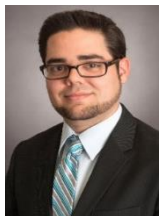
South Florida Regional Transit Authority | The Wave Modern Streetcar (2018-2019) | Roadway Lead responsible for the development, analysis, review, and preparation of all roadway modification, signing and pavement markings, and maintenance of traffic (MOT) plans. Involved close coordination with rail design within the traveled roadway and structures including a movable bridge.

FDOT D4 | Port Everglades Eller Drive Intermodal Cargo Transfer Facility (ICTF) (2012-2013) | Project Engineer responsible for the production of roadway construction plans and contract documents for roadway design, signing and pavement markings, MOT, and associated design calculations and comp book quantities. Duties also included coordinating efforts between roadway design teams, structures, and other disciplines including contractors and sub-consultants. Performed field reviews and developed/produced post-design plans/quantities for revisions and RFI's in coordination with the contractor and subcontractors during construction.

FDOT D4 | SR 70 / Okeechobee Road at Jenkins Road in Fort Pierce (2013-2014) | Project Engineer responsible for developing and preparing MOT plans for this intersection in St. Lucie County.

FDOT D6 | SR 5 / Overseas Highway from MM 103 to MM 106 in Key Largo, FL (2012-2013) | Project Engineer for this project which included milling, resurfacing, and other roadway improvements. Duties included producing plans and contract documents and coordinating efforts between roadway design teams and sub-consultants.

FDOT D6 | SR 5 / Overseas Highway from MM 93 to MM 97 in Tavernier, FL (2012-2013) | Project Engineer for this milling, resurfacing, and roadway improvement project. Duties included producing plans and contract documents, including roadway design features, and sign in.



Stevan Gonzalez, PE

Education: BS in Civil Engineering, Florida International University, Miami, 2015 | BS Civil | Engineering, University Santo Tomas, Bogota, Colombia, 1997

Years of Experience:

Total 8 years | 2015-Present -CALTRAN

Registration: Professional Engineer in Florida, No. 92663, 2021

Professional Experience

Mr. Gonzalez has provided In-house Support to FDOT D6 as part of the planning and modal office. As part of the statistics program for the planning office, he has been tasked with reviewing reports that include environmental studies, planning and environmental development (PD&E) studies, traffic forecasting, 18-kip equivalent single axle loading (ESAL) reports, level of service analysis, and crash analysis. He is also involved in developing and reviewing various maps including the Roadway Atlas and Work Program Maps. He is responsible for the yearly analysis of the district pavement condition report through the Enhanced Pavement Management Program. Additionally, he has been involved in performing Roadway Characteristics Inventory (RCI) throughout Districts 4 and 6 of the Florida Department of Transportation (FDOT) and has experience updating characteristics in the RCI database.

As part of the freight unit for the Modal Development Office (MDO), Mr. Gonzalez has acted as the project manager for several projects, including NW 36 Street PD&E Study, Golden Glades Truck Travel Center (GGTTC), Truck Parking Site Feasibility Study, Truck Parking Supply and Demand Study, and Port of Miami Freight Mobility Study. In addition, Mr. Gonzalez maintained ongoing coordination between the department and various partner agencies and public organizations including Miami-Dade Transportation Planning Office (TPO) and the Freight Transportation Advisory Committee (FTAC). His efforts also include assisting the department with technical aspects such as developing design concepts, preparing scopes for various projects, project prioritization, and evaluating cost estimates.

Key Projects

FDOT D6 | Scoping Report Contract, Development of Enhanced Pavement Management Program, (2016-Present) | Provided engineering services through the analysis of the districts pavement condition to ensure the Department can accurately identify, list, categorize and recommend all deficient and prone to be deficient pavement segments for scoping and programming. Responsibilities included evaluating State Material Office Pavement Condition Survey and cross-referencing with FDOT's adopted Work Program to identify gaps within a system that could require pavement restoration. Analyzed lane miles targets, forecasted pavement deterioration, and pavement age, and coordinated with the Design office and scoping section. Contract No.: C9U47, FM 250759-3-22-02, Contact: Erki Suarez, HDR, 407-420-4200, Erki.Suarez@hdrinc.com

FDOT D6 | Transportation Systems GIS Data Development & Mapping (2016-Present) | Provided various engineering mapping services including the development and production of maps such as the Roadway Atlas and Work Program Maps. Each assignment included various map sets developed for the Federal Functional Classification, Roadway Jurisdiction, Federal Aid System, State Highway System, Strategic Intermodal System (SIS), TSM&O, and various subset maps for County legislators. Contract No.: CAC17, FM 413221-1-12-05, Contact: Carlos Perez, 786-456-7700, cperez@caltransgroup.com

FDOT D6 | Inhouse Support Freight, (2022-Present) | Assist the Department, Modal Development Office (MDO), in the performance of a diverse range of planning and engineering services as the in-term Freight Coordinator. Assignments included project management for various freight-related studies and coordination between the department and various partner agencies and public organizations. Contract CAE03, FM No. 439218-2-32-04, Contact: Carlos M. Cejas, Gannett Fleming, 786-845-9540.

FDOT D6 | Districtwide Traffic Operations Consultant (2018-2020) | Served as a prime consultant; included assignments such as qualitative assessments and traffic memorandums responding to a public requests that included congestion and safety concerns. Provided video-data collection, crash analyses, evaluation of predominant crash types, and potential countermeasures for conceptual roadway and operational improvements. Contract No. CA139, FM 249796-9-32-01, Contact: Xavier Llerena, 305-470-5402, xavier.llerena@dot.state.fl.us

FDOT D6 | D/Traffic Operations RCI Data Collection (2017-2020) | Included multiple tasks assignments such as traffic operation roadway characteristics inventories, evaluation of speed limits, evaluation of public complaints, school zone reviews, and bottleneck studies. Contract No. C9U50, FM 249726-6-32-01; Contact: Nathalie Bernales, 305-470-5428, Natalie.Bernales@dot.state.fl.us

FDOT D6 | Transportation Statistics #3, (2015-2017) | Multiple assignments; included Enhanced Pavement Management Program with the primary objective to develop a framework of reliable mechanisms to ensure and accurately identify all FDOT D6 pavement deficient segments to be assigned for scoping and gaming. Provided PTMS design services, coordinated and reviewed traffic data collection, and provided engineering in-house support. Contract C9617, FM No. 40819911203, Contact: Neil Lyn, FDOT D6 Project Manager, 305-470-537.

FDOT D4 | Districtwide General Planning Consultant (2015-2017) | Conducted multiple data collection assignments throughout the District for traffic data as part of annual data collection (TCI) or roadway inventory (RCI) programs. Contract No.: C9H68, FM 430256-1-12-01, Contact: Sheng Yang, CTS Engineering, 305-890-7198



Juan Pablo Romero, El

Education: BS Civil Engineering, Florida International University, Miami, FL 2010

Years of Experience:

Total 10 years | 2012-Present -CALTRAN.

Professional Experience

Mr. Romero is a civil engineer with more than 10 years of experience and has been involved in various Traffic / Planning, studies, and data collection projects. Mr. Romero has served as a Deputy Project Manager to the Florida Department of Transportation, Traffic Operations Office, Districtwide Safety Studies Contract providing the Department with professional traffic engineering services through the development of various traffic operations and safety studies that will be identified for intersection, arterials, etc., and related improvement recommendations and evaluations.

Key Projects

Qualitative Assessments - Project Engineer

FDOT D6 | SR 968 / West Flagler Street at W 24 Avenue |

Through data collection, field inventory, Model Simulations, and crash analyses, Mr. Romero evaluated the implementation of an exclusive pedestrian phase due to the significant number of students (Miami Senior Highway) crossing at none designated areas posing safety concerns. Contact: Xavier Llerena, 305-470-5402, xavier.llerena@dot.state.fl.us

FDOT D6 | SR A1A / Collins Avenue from 172 Street through 183 Street |

Due to the increase in pedestrian volume within the segment, through VISSIM / VISTRO software, Mr. Romero measured the effects of implementing an exclusive pedestrian phase. Contact: Xavier Llerena, 305-470-5402, xavier.llerena@dot.state.fl.us

3R Safety Reviews

FDOT D6 | SR 5 / US-1 South Dixie Highway – SW 232 Street to SW 112 Avenue and SR 5/US-1/S Dixie Highway - SW 264th Street to SW 232 Street |

Through crash analysis, a qualitative assessment, and preliminary design reviews. Mr. Romero evaluated safety countermeasures to enhance safety and healthy operations within the State Highway System. Contact: Xavier Llerena, 305-470-5402, xavier.llerena@dot.state.fl.us

Bottleneck Studies - Project Engineer

FDOT D6 | SR 948 / NW 36 Street at East Drive and SR 7 / NW 7 Avenue and NW 36 Street |

This bottleneck study required an evaluation of existing conditions, data collection, VISSIM/ Synchro simulations, model validation and calibration, a qualitative assessment, and identification of potential signal timing modifications and an analysis to quantify the effects, Mr. Romero developed a set of Signal Coordination adjustments to

improve traffic flow within the segments. Contact: Xavier Llerena, 305-470-5402, xavier.llerena@dot.state.fl.us

Studies - Project Engineer

FDOT D6 | SR 972 / SW 40 Street / Bird Road at SW 72 Avenue |

Mr. Romero evaluated the effects of implementing a north-south pedestrian crosswalk facility to support pedestrian travel along the west leg of the intersection of SR 972 / SW 40 Street / Bird Road at SW 72 Avenue. Said evaluation was performed through data collection and VIISM / VISTRO simulations. Said effects entailed the need for an eastbound left-turn bay storage length assessment, red / yellow clearances, and signal timing field observations during the critical AM and PM period. Contact: Xavier Llerena, 305-470-5402, xavier.llerena@dot.state.fl.us

Signal Warrant Analyses - Project Engineer

FDOT D6 | SR 973 SW 87 Avenue at SW 64 Street / Hardee Avenue & SR 994 / SW 200th Street / Quail Roost Drive and SW 132nd Avenue |

Through the Manual on Uniform Traffic Control Devices methodologies the Signal Warrants were evaluated to justify the signal installation. Contact: Xavier Llerena, 305-470-5402, xavier.llerena@dot.state.fl.us

Additionally, Mr. Romero has also elaborated engineering and construction cost estimates based on the Florida Department of Transportation basis and pay item information. He served as a liaison among agencies involved in a wide range of projects. He has design experience with MicroStation/AutoCAD to elaborate roadway designs that include signing and pavement marking, paving grading, and water, sewer, and drainage improvements.

FDOT D6 | Districtwide Traffic Operations, (2018-Present) |

Served as a prime consultant; included assignments such as qualitative assessments and traffic memorandums responding to public requests that included congestion and safety concerns. Provided video-data collection, crash analyses, evaluation of predominant crash types and potential countermeasures for conceptual roadway and operational improvements. Contract No. CA139, FM 249796-9-32-01, Contact: Xavier Llerena, 305-470-5402, xavier.llerena@dot.state.fl.us

Sun Life/HARD ROCK Stadium MOT Plans (2013-2020) |

Since 2010, responsible for designing engineering services for MOT plans per FDOT Standards for major detours along Florida's Turnpike connections from Golden Glades and HEFT during pre- and post-special-event traffic. Includes key sheets, lane closure analysis, project layout, tabulation of quantities using FDOT pay items, notes, special signing sheets, and detour route plans for all Dolphin games and special events at the stadium. Contact: Alan Riano, Miami Dolphins Corporate Headquarters, 305-943-6501, ARiano@dolphins.com



Eliciel Gonzalez, EI

Education: BS in Civil Engineering, Florida International University, Miami, FL 2017

Years of Experience:

Total 3 years | 2020-Present -CALTRAN | 2018-2020 – Kimley Horn | 2017-2018 – RJ Behar & Company

Professional Experience

Mr. Gonzalez has over 3 years of experience in the design and coordination of the engineering aspects of Roadway Design. His experience includes signalization design, geometric design, roadway plan production, quantification and computation of pay items, temporary traffic control designs, and signing and pavement markings applying FDOT design standards and criteria.

Key Projects

FDOT D6 | SR 976/ SW 40th Street/ Bird Road from East of SR 826 to SW 58th Avenue (2022-Ongoing) | RRR project to preserve and extend the life of the roadway by milling and resurfacing existing pavement and widen median turn lanes. Activities included adding sidewalks, repaving and restriping the roadway, installing curb ramps, upgrading lighting, signalization, signing and pavement markings, and crosswalks. Responsible for roadway design, modeling, and plan preparation. FM 445991-1-32-01 Contact: Elsa Riverol, Elsa.Riverol@dot.state.fl.us

Charlotte County | Design sidewalk Fruitland Avenue from Winchester Blvd to Gulfstream Blvd (2022-Ongoing) | Design sidewalk along Fruitland Avenue, update signing and pavement markings. Includes plans preparation, design, and modeling per COUNTY, FDOT, and MUTCD standards. Work Order #218, File #2022000127 Contact: Ray Slade, Raymond.slade@charlottecountyfl.gov

SR 5/S Dixie Hwy from N of SW 336th St to S of SW 304th St (2018-2020) | RRR project to preserve and extend the life of the roadway by milling and resurfacing existing pavement and to enhance general highway safety. Responsible for temporary traffic control plan, signing & pavement markings, signalization, and traffic monitoring site design components. Contract No.: CA208, FM 441827-1-32-01 Contact: Alfredo Cely, PE, Kissinger Campo, 813-871-5331, alfredo.cely@kissingercampo.com

FDOT D6 | SW 336th St/Davis Pkwy from SR 997/Krome Ave to US-1 (Truck Bypass) (2016-Ongoing) | Reconstruction of Davis Pkwy to extend the capacity of existing pavement to facilitate truck bypass, add right turn lanes at intersections of Davis Pkwy/Krome Ave and Davis Pkwy/US-1, improving drainage throughout project limits. Reconstruction activities

included adding sidewalks, repaving and restriping roadway, installing curb ramps, upgrading lighting, signalization, signing, and pavement markings and crosswalks. Responsible for providing roadway, drainage system, temporary traffic control design services, signing & pavement marking improvements, and signalization and lighting design. Contract No. C9063, FM No. 405575-7-32-01; Contact: Nathan Pulido, 305-470-5207; Nathan.Pulido@dot.state.fl.us

FDOT D4 | Homewood Blvd from Old Germantown Rd to Lawson Blvd, (2018-2020) | Mobility project in Delray Beach. Included roadway widening and/or lane repurposing to accommodate designated bike lanes and sidewalks on both sides of the road, construction of cast-in-place retaining wall at LWDD L-36 Canal crossing, and signal replacement at Linton Blvd intersection. Contract No. CA220, FM 438394-1-32-01 Contact: Angelene Frederick, FDOT D4, 954-777-4650, angelene.frederick@dot.state.fl.us

FDOT D4 | Bayview Dr from SR 838/Sunrise Blvd to SR 870/Commercial Blvd, Oakland Park Sidewalks (2019-2020) | Providing traffic calming techniques at key sidewalk locations along both sides of the roadway where missing, accommodated designated bike lane. Installed sidewalks and drainage improvements in areas affected by sidewalk installation. Included the implementation of mid-block crossings with rapid rectangular flashing beacons (RRFB), raising four intersections, and implementing roundabouts. Contract No. CA578, FM 438118-1-32-01; 439990-1-32-01

SR-A1A RRR and Turning Lanes Extension (2019-2020) | Milling and resurfacing project with right-turn lane extensions at three intersections at SR-A1A from 17th St to Beach land Blvd in charge of signing & pavement markings per FDOT and MUTCD standards. Contact: Eithel M. Sierra, PE, A&P Consulting, 305-592-7283, EMSierra@apcte.com

FDOT D6 | SR 5/US-1/S Dixie Hwy from E of SR 9/SW 27th Ave to SR 9A/I-95 (2017-2020) | RRR project on US-1 corridor to extend service life and safety while improving roadway and operational deficiencies. Conducted extensive coordination with the City of Miami, FDOT D6, and the Miami-Dade Dept of Transportation and Public Works. Included roadway design and coordination of additional components (drainage system design, temporary traffic control design, signing and pavement marking improvements, signalization, and lighting design). This project included the implementation of a crossing for the Underline at the intersections with SW 19, 17, and 16 Avenue and a directional median access modification at Calusa Avenue. Contract No. C9U15, FM 433455-4-32-01; Contact: Adriana Manzanares, PE, 305-470-5283, adriana.manzanares@dot.state.fl.us



7. Qualifications

Over the past 12 years, **CALTRAN** has provided transportation and traffic engineering services for Broward County, Miami-Dade County, the Florida Department of Transportation (FDOT), The City of Marathon, the City of Miami Beach, the City of Miramar, the City of Fort Lauderdale, the City of Sunny Isles Beach, the City of Miami Gardens, the Miami-Dade Expressway Authority (MDX), and multiple private sector clients throughout Florida.

CALTRAN's quality of work, integrity, and commitment have built long client relationships with local and state governments, multilateral institutions, and other public and private entities. To this diverse client base, we bring strategic vision and an entrepreneurial spirit, and an unwavering commitment to client satisfaction. **CALTRAN** is prequalified with the Florida Department of Transportation (FDOT) in the following type of work, including Major and Minor Highway Design; Traffic Operations Design (Traffic Engineering Studies, Traffic Signal Timing, Lighting, Signing, Pavement Marking, and Channelization, Traffic Counts, Traffic Calming, Signalization); Planning (Systems Planning, Subarea/Corridor Planning, and Transportation Statistics); Roadway CEI; General Engineering, and Value Analysis and Life Cycle Costing.

CALTRAN's organizational management approach is based on proactive leadership that strives for customer satisfaction, achievement, and success. Our leaders know that timeliness and effectiveness in responding to each task are imperative for this contract without overextending administrative costs.

CALTRAN understands that the City of Key West requires us to be able to provide traffic engineering services that include but are not limited to traffic studies and analyses, traffic data collection (traffic counting), traffic signal system design, traffic signal detection systems, roadway capacity calculations and studies, roadway signage warrants and design, bicycle/pedestrian planning, parking studies, and wayfinding sign program.

KEY SERVICES

Traffic Studies

CALTRAN has performed multiple traffic impact studies, capacity analyses, and intersection and corridor analyses following the latest ITE practices and manuals related to parking generation, trip generation, *Manual on Uniform Traffic Control Devices* (MUTCD), *Highway Capacity Manual* (HCM), and procedures used to establish solutions to traffic and transit mobility issues and the improvement of safety, particularly non-motorized road users. Trips from/to the site will be estimated using the recently-released Institute of Transportation Engineers (ITE) *Trip Generation Manual*, 11th Edition. Unless otherwise requested, forecasts will be based on the peak hour of the adjacent street traffic.

The **CALTRAN** Team will perform an intersection and/ or arterial Qualitative Assessment. Based on the request, audits can include operations, maintenance, design geometry adequacy, and safety management assessments. If the need arises, this service could result in development of a specific type of services such as signal warrants, intersection analyses, arterial analyses, left-turn phase warrants, safety/fatal crash reviews, speed zone studies and traffic operations safety reviews and before-after studies. As part of any traffic engineering study the following will need to be considered: Desktop Initial Review: Our Team will conduct a site visit and will act as a local road user to witness the physical and operational conditions of the site under review and perform an evaluation of driver behavior. Following FDOT desktop checks and field assessment





protocols, we will document and present findings through photos, videos, and checklists. We also will review existing/ongoing FDOT Work Program information.

Crash Data: Crash data are essential for any traffic safety and operations review. A total of 3–10 years of historical crash data will be analyzed as specified in the scope. We have access to and expertise with FDOT's CARS On Line and Signal 4 Analytics data. In addition, "raw" crash reports, traffic miscoding crash conditions, and crashes on private property that have been geographically coded will be examined for accuracy analysis.

Crash Analysis: Per the Highway Safety Manual (HSM) Predictive Method, average annual crash rates, frequency, and confidence levels will be the first calculations conducted by our Team. This information provides the magnitude and understanding of the crash experience at each study site/segment. In addition, Safety Performance Functions (SPFs), Crash Modification Factors (CMFs), and Calibration Factors (CFs) will be evaluated for a better understanding of the ratio of effectiveness for one condition to another. Crash Analysis: Through collision diagram preparation and identification of crash patterns as they relate to the site, crash risk identifications can be observed. Geographic Information System Software (ARCGIS) and Highway Safety Analysis Software (HSA) will help us identify the date and time of a crash, its severity, lighting conditions, and weather conditions. This analysis will identify mitigation measures and recommendations vetted through a Benefit/Cost (B/C) and Net Present Value (NPV) breakdown

Operating Efficiency: As operational efficiency can have a direct impact on crash risk and/or warrant evaluations, the capacity and performance of the study site will be quantified for each peak hour of interest using Measures of Effectiveness (MOEs) such as delay, volume/capacity ratios, and queuing for the existing, optimized, and proposed conditions. Traffic Simulation: We have proficiency with micro and macro simulation software packages obtained through a variety of previous FDOT, city, and county projects. Packages include Synchro 11, Vissim- PTV & Vistro, Highway Capacity Software (HCS), and CORSIM under the latest FDOT Traffic Engineering Manual (TEM) and FDOT Traffic Analysis Handbook.

Intersection Geometry and Physical Characteristics Evaluation: Our Team will evaluate the applicable geometric design standards for compliance adequacy. The geometric characteristics to be analyzed include horizontal and vertical alignments, sight distances, pavement condition (e.g., drainage), lighting, utilities, right-of-way limits, and traffic control devices criteria under MUTCD, the Florida Design Manual (FDM), the AASHTO Green Book, the Florida Green Book, and/or FDOT & Monroe County Standards. **CALTRAN Design Team:** Our Team includes experts in existing geometry field inspections and conceptual design, can provide feasible, cost-effective mitigation measures, and will be involved throughout the entire traffic operations and/or safety analysis to ensure viability of the proposed improvements to provide proper Estimates. In addition, our Team maintains active communication for addressing the effects of the latest FDOT design bulletins.

Reporting: CALTRAN believes good report organization promotes readability and clear understanding of the engineering/mathematical methods used for analyses. Technical information should be concisely and clearly conveyed by means of diagrams, graphs, tables, and sample calculations. Our technical memorandum deliverables are subject to a robust Quality Control assessment.

Miscellaneous: To facilitate objective evaluations of intersection alternatives, FDOT's Intersection Control Evaluation (ICE) policy was adopted for consideration of alternatives for safety, cost, environmental, and economic impacts. Also, Road/Pedestrian Safety Audits are a proactive low-cost approach for safety improvements of proposed or existing roads. Our Team possesses expertise in pedestrian, bicycle, transit operations, intelligent transportation systems, and design to adequately identify the extent, road users, and circumstances that different elements of the road may present as a safety concern following the steps encouraged by the Federal Highway Administration (FHWA).



Parking Studies

To provide on/off-street parking and access to facilities studied by **CALTRAN** will consider an inventory of existing parking facilities, data collection for parking accumulation, parking turnover, and parking duration, identification of parking generators, and recollection of information on parking demand. These studies will identify if an adequate supply of spaces is provided to accommodate the future growth of parking facilities.

Intersection and Corridor Analysis

Intersections and corridors in Key West will be analyzed using the latest Highway Capacity Software or Synchro11 and VISSIM. Traffic signal operations will be retrieved for the Monroe County traffic signal system. Intersection and corridor analysis will address the impact of geometric improvements, existing and future intersection LOS, interval and phasing timing optimization, new signal timing plans, fuel consumption over benefits such as reductions in control delay and accident numbers or severity, and community response to each alternative.

Safety Technical Memorandums

CALTRAN has full access to the FDOT CAR database (State Roads crash data) and Signal4 and is fully familiar with resolving issues such as analysis of data presented by local police departments. In addition, our staff are trained to determine discrepancies in accident data provided by police that may require correction or closer examination. Our engineers have participated in safety reviews and are trained in the HSM.



Complete Streets

The **CALTRAN** team has the knowledge and relevant experience with Complete Streets design and applications. We assisted in the development and publication of the first Miami-Dade County *Complete Streets Manual*. Our relevant recent experience will provide the City of Key West with a team that has knowledge of successful design applications, for which all modes of travel are given priority, not just automobiles. **CALTRAN** was delegated to implement the first bus-priority lane in Downtown Miami, a project that started as a pilot project and today includes intersections with features such as Lead Pedestrian Intervals (LPIs) that **CALTRAN** also coordinated.

CALTRAN understands that multimodality is a key aspect of the City of Key West. The City of Key West context show that non-motorized trips are still part of a maturity process that requires partnerships. We will work with the City of Key West to account properly for promoting mixed uses, open-space accessibility, multimodal trips of non-motorized modes, and bicycle do dockless bicycle and transit by facilitating connectivity, particularly for the first/last mile through multimodal developments while enhancing livability.

Traffic Calming Studies

Because of the unique environment of Key West, traffic calming is in the interest of the residents due to special conditions and diverse Capital Improvement Programs being considered. We are ready to work as an extension of city staff and with the neighborhood associations to use Capital Improvements Programs and provide guidance for calming traffic projects that will enhance the quality of life of city residents. Selection of calming traffic measures will be in accordance with the traffic flow modification(s)/street closure(s) procedures, ITE traffic manuals, FDOT traffic standards, and City ordinances.



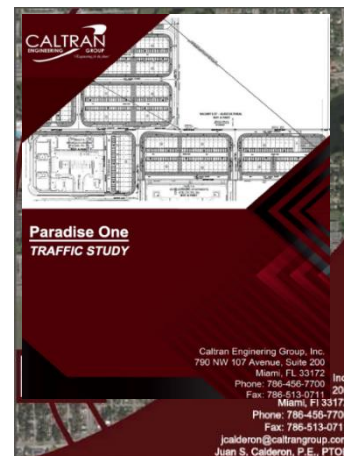
Pedestrian and Bicycles Studies

CALTRAN has the depth of experience appropriate for planning and design of proposed bicycle trails and bike paths or bike lanes that share the road with traffic. Our team includes experts dealing with Master Plans that encompass multimodal transportation issues and context-sensitive solutions.

Traffic Data Collection

CALTRAN has been involved in performing traffic volume and classification counts as well as TMCs that include collecting pedestrian and bicycle counts for multiple clients and Bluetooth. The technical staff has been trained in safety during data collection activities to tackle potential issues such as roadway construction, pavement conditions, parking, weather, etc. We also can provide video data collection without involving third parties, and we have extensive experience working with big data applications such as Streetlight, HERE, AirSage, and STRAVA for bicycle/pedestrian origin destinations.

CALTRAN has a proven record of collecting data for FDOT District 6, such as traffic volumes and classification, standard travel time, video processing Turning Movement Counts (TMCs), GPS/video-supported travel time delay and studies, O-D, and safe curve speed studies as well as speed, gap analysis, queue, pedestrian group size, and conflict analyses, as defined in the scope, for multiple traffic and safety contracts considering the latest 2016 version of the Manual on Uniform Traffic Studies (MUTS). Our technical staff is trained to maintain safe field conditions and address issues such as roadway construction, parking, weather, and congestion. In 2022, we collected 1,500+ traffic counts for FDOT 4 and 6.



OTHER RELEVANT EXPERIENCE

CALTRAN staff have served in the development of multiple traffic impact studies for different types of projects and land uses, including an inventory of existing and proposed land uses, operations, and access; existing conditions of roadways, intersections, and pedestrian facilities; traffic data collection for AM and PM peak hours; trip generation, trip distribution, and traffic assignment; traffic analysis (future conditions traffic volumes; LOS analysis for intersections, links; queuing and concurrency analysis; parking facilities and demand; drop-off/pick-up circulation; and reports providing conclusions and on/off-site recommendations. We have completed a variety of traffic impact projects, as summarized below.

Plans and Miscellaneous Reviews

CALTRAN has reviewed scoping reports, traffic studies, and roadway plans for FDOT projects. Components under roadway plan reviews include signing & pavement markings, compliance with the Americans with Disabilities Act (ADA), signalization, lighting, railroad crossings, and incorporation of various modes of transportation within the study corridor. We also have been involved in certifying completion of the projects to ensure that grants awarded by FDOT to different entities match the work performed, and we have





assisted grantees in learning the grant application process and requirements and have been involved in the review process.

Wayfinding Sign Program

CALTRAN, in partnership with the City of Miami Gardens, has developed a comprehensive signage and wayfinding system to assist motorists and pedestrians and help alleviate traffic. Project goals are to ease vehicular congestion, guide visitors to landmarks, facilities, and services, promote walking, bicycling, and mass transit and be sustainable and expandable.

WHY CHOOSE CALTRAN?

- Experience with various clients, consultants, and projects that give us the advantage of a broad view of projects and how they relate to other factors.
- Experience that allows us to work closely with clients and partners to produce expected results.
- Capacity and knowledge to respond quickly and solve problems related to transportation and transit engineering, planning, and GIS.
- On-call consultant that promptly responds to the needs of City officials and residents.
- Comprehensive and practical approach to solving current and future transportation challenges.
- Development of safe and effective transportation infrastructures.
- Understanding of scope as demonstrated in past project experience.
- Professional technical plan.
- Innovative concepts.
- Use special equipment such as video detection, Bluetooth, and mobile data collection.
- Local understanding.
- In-depth organizational structure with capable and available staff.
- Customized Quality Control Plan.
- Experience with traffic studies or similar projects.
- Certified qualifications by FDOT and as DBE/MBE firm.



8. Representative Engineering Experience and Client References

Project Name: Miami-Dade DTPW, Card Sound Rd Feasibility Study

Similar Scope Experience as referred by City of Key West RFQ 23-003:
Roadway Planning and Design

Client:

Miami Dade Dept. of Transportation & Public Works
111 NW 1st St., Suite 1510
Miami, Florida 33128

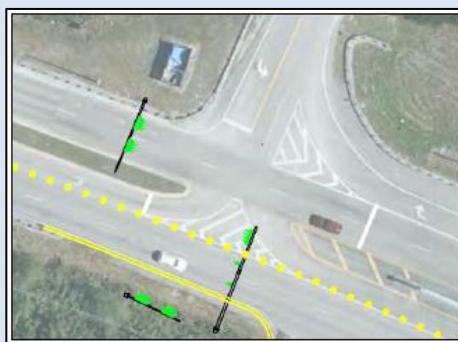
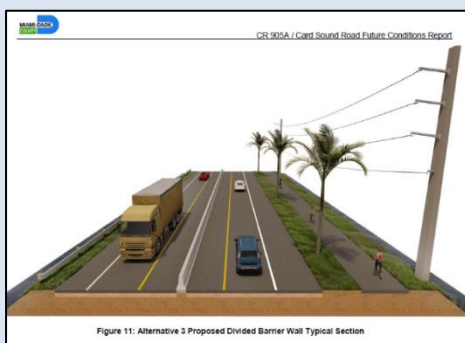
Contact:

Rolando Jimenez
Phone: (786) 615-8828
rolando.jimenez@miamidade.gov

Contract Date: 2017 - 2021

Contract Fee: \$77,000

Description: CALTRAN Provided a detailed analysis of the existing condition a rural two-way 12-mile segment connecting Miami-Dade County with Monroe County. Included roadway conditions and characteristics assessments (typical section, cross slope, transitions, pavement among others), and traffic operations assessment at main intersections. Conducted detailed 5-year crash analysis, supplemented by future conditions report with recommendations and safety improvements to increase driver safety and improve the usability of the corridor for multiple modes of transportation by the inclusion of shared multi-use path. Included development and selection of multiple typical section alternatives; evaluated constructability, environmental impacts, safety, usability, and costs.





Project Name: DDA Complete Streets: SW/SE 1st Street Transit Preferential Lane – City of Miami

Similar Scope Experience as referred by City of Key West RFQ 23-003: Traffic Studies and Bicycle and Pedestrian Planning

Client:

Miami Downtown Development Authority
200 S. Biscayne Blvd., Suite 2929
Miami, Florida 33131

Contact:

Neal Schafers
Phone: (305) 379-6575
schafers@miamidda.com

Contract Date: 2017 - 2020

Contract Fee: \$59,000

Description: **CALTRAN** was responsible for providing traffic engineering services as part of a feasibility study to apply a Complete Street concept to SW/SE 1st Street in Downtown Miami between SW 2nd Avenue and Biscayne Boulevard-4p0-765321aq Project tasks included providing an existing condition analysis, traffic analysis for no built and built conditions, and transit system operation analysis. The study recommended lane elimination for the 1st bus preferential lane in Miami-Dade County. **CALTRAN** was responsible for the design to apply a Complete Street concept to SW/SE 1st Street in Downtown Miami between SW 2nd Avenue and Biscayne Boulevard. Project tasks included providing signing & pavement marking plans, including bike lane and preferential bus lane. **CALTRAN** was responsible for the before & after study evaluation of the Complete Street concept to SW/SE 1st Street in Downtown Miami between SW 2nd Avenue and Biscayne Boulevard. Project tasks included providing surveys, traffic and non-motorized data collection, safety evaluation, and travel time for vehicular and transit.





Project Name: Tavernier Towne Center Traffic Impact Study and Civil Plans, Monroe County, FL

**Similar Scope Experience as referred by City of Key West RFQ 23-003:
Traffic Studies and Roadway Design**

Client:

Commodore Realty
30 West Masha Dr., Suite 400
Key Biscayne, Florida 33149

Contact:

David Puvanic
Phone: (3052) 365-2679

Contract Fee: \$10,000

Description: CALTRAN Conducted traffic study, and prepared roadway plans for the reconstruction of 800-ft of Dunkin Donuts drive-thru. Included field reviews, and diligence with Monroe County preparation of roadway component package following FDOT Standards and Plans Preparations Manual. The package included demolition plans, roadway reconstruction plans with paving and grading, milling and resurfacing, sidewalks, curb ramps according to ADA standards, drainage design for French drain, utility relocation, coordination for plan reviews, utilities, and permitting.





Project Name: City of Miami Gardens Continuing Architectural and Engineering Services

Similar Scope Experience as referred by City of Key West RFQ 23-003: Roadway Capacity Calculation and Studies

Client:

City of Miami Gardens
18605 NW 27 Ave
Miami Gardens, Florida 33056

Contact:

Tom Ruiz – Public Works Director
Phone: (786) 279-1260
truiz@miamigardens-fl.gov

Contract Date: 2017 - Ongoing

Contract Fee: \$393,000

Description CALTRAN provided traffic and roadway design engineering services for projects authorized by City. Included plats review and survey acceptance for 15+ plats, traffic impact peer review process for Walmart, Family Dollar Store, and Top Golf driving range. Provided general consulting services, including support to City, advising role as part of noise evaluation study to implement F1 race track at Hard Rock Stadium, evaluation of plats and site plans, serve as a peer reviewer for traffic impact and parking variances applications. Streetlight Study This task is to provide photometric data collection to the City of Miami Gardens to evaluate the need for enhancements to the current system. The scope includes detailed lighting measurements, GIS inventory of current conditions, capture luminance and illuminance measures, and provide conclusions and recommendations. This effort gathered more than 3,000 luminaires along more than 170 center miles within 25 districts of the city.



Figure 7: Project Trips - PM Peak Hour





Project Name: City of Miami Gardens Continuing Architectural and Engineering Services

Similar Scope Experience as referred by City of Key West RFQ 23-003: Traffic Data Collection and Signal Retiming

Client:

FDOT D6 & Choice Engineering, Inc.
12855 SW 132 St
Miami, Florida 33186

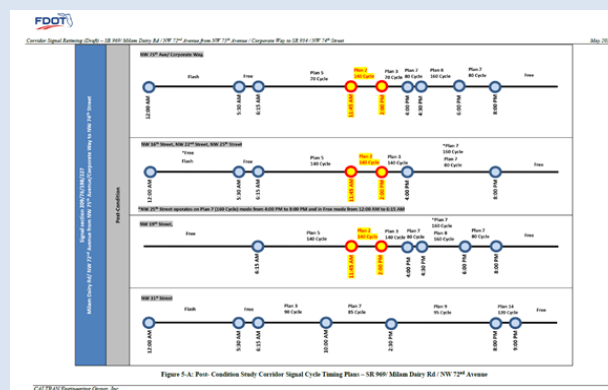
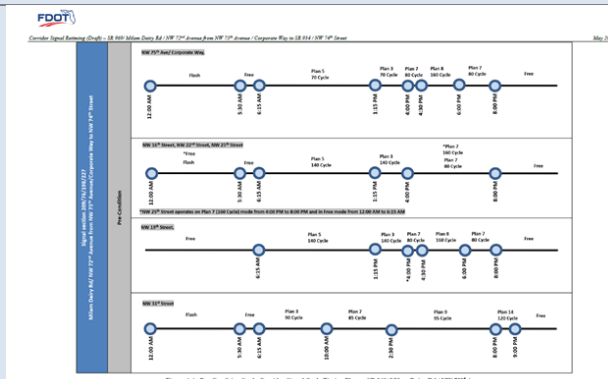
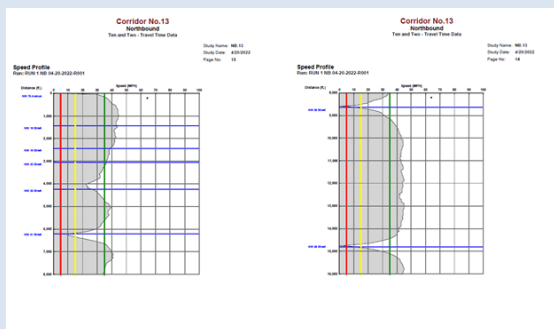
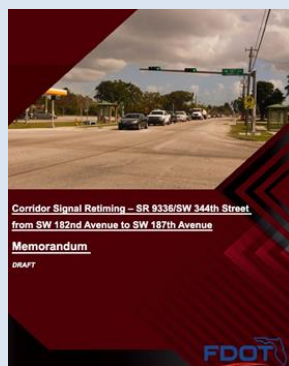
Contact:

Erik Echezabal, PE, PTOE
Phone: (786) 250-5526
eechezabal@choiceeng.com

Contract Date: 2019 - Ongoing

Contract Fee: \$135,000

Description CALTRAN Under FDOT Contract CA084 FDOT D6 Signal Retiming Services Continuing Contract CALTRAN was retained to perform signal fine tuning task support for FDOT D6 in corridors and intersections such as A1A Harding Avenue, SR 922/96th Street, SR 9336 and others. As part of the scope the following services were rendered: Data gathering and coordination with the Maintenance Agency, Evaluation of RITIS, Review of Timing Plans and Prepare Coordinated Section Timing Diagrams, Field Reviews, Data Collection including Travel Time runs, Recommendations for improvements that include but not limited to adjustments of signal offsets & splits, adjustments of timing parameters, evaluation of the feasibility of serving twice a movement during the same cycle or skipping, coordination for implemental fine-tuning, before and after evaluation and final documentation. Additional services under this contract included traffic data collection using cameras in corridors such as SR A1A in Key West.





Project Name: City of Miramar Traffic Engineering Consultant

**Similar Scope Experience as referred by City of Key West RFQ 23-003:
Traffic Counting, Traffic Signal System Design**

Client:

City of Miramar - Engineering Services Department
2200 Civic Center Place
Miramar, Florida 33025

Contact:

Salvador Zuniga, PE
Phone: (954) 602-3323
sezuniga@miramarfl.gov

Contract Date: 2012-2018

Contract Fee: \$113,000

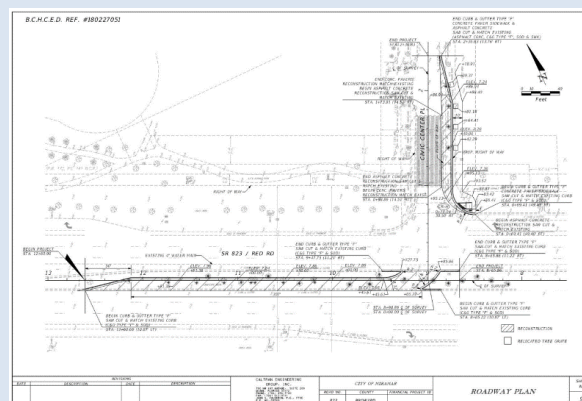
Description: As prime, CALTRAN is responsible for providing a list of improvements with an implementation plan that will be developed once the data collection is completed for the development of the existing conditions, and then operational and safety analyses will be conducted, thereafter. The plan will include schematic drawings, implementation timeframes for short-term and long-term improvements, and an opinion of probable cost for each option recommended. The concept development should consider the physical and operational conditions, as well as, a safety and arterial evaluation.



Silver Shores Blvd, Northbound, Stop-controlled






Silver Shores Blvd, Northbound, Stop-controlled



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Project Name: Charlotte County Facilities Parking Site Inspection	
Similar Scope Experience as referred by City of Key West RFQ 23-003: Parking Studies	
<u>Client:</u> Charlotte County 18500 Murdock Circle; Suite 344 Port Charlotte, Florida 33948	<u>Contact:</u> Carole A. Smith Phone: (941) 743-1378
<u>Contract Date:</u> 2018-2019 <u>Contract Fee:</u> \$50,000	
<u>Description:</u> Conducted site inspection of all County-owned parking lots, assessed 146 facilities, analyzed existing site parking pavement conditions, visited and recorded existing data in lots including parking pavement issues such as the severity of cracks, potholes, rutting, alligator cracking, washout damages, and tree root intrusion. Recommended using treatment recommendation flowchart and providing prioritization criteria for maintenance of parking lots. Deliverables included maps with locations of parking lots categorized based on urgent, short-term, mid-term, and long-term maintenance requirements.	
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Project Name: FDOT D1 Charlotte County Charlotte County SUN Trail Extension Feasibility Study to Myakka State Forest	
Similar Scope Experience as referred by City of Key West RFQ 23-003: Bicycle and Pedestrian Planning	
<u>Client:</u> Charlotte County 18500 Murdock Circle, Suite 344 Port Charlotte, Florida 33948	<u>Contact:</u> Carole A. Smith Phone: (941) 743-1378
<u>Contract Date:</u> 2020 <u>Contract Fee:</u> \$110,000	
<u>Description:</u> CALTRAN performed a feasibility study for SUN Trail Extension. A shared-use path facility that connects Myakka State Forest to Murdock Circle Included inventory analysis, safety analysis, pedestrian and bicycle mobility assessment, public involvement, and conceptual development, the extension is part of a larger network that expands overall trail system connectivity in the area, closes part of existing trail gaps, and provides enhanced mobility for non-motorized users.	
	



Project Name: City of Miramar Regional Park and Amphitheater

**Similar Scope Experience as referred by City of Key West RFQ 23-003:
Traffic Signal System Design**

Client:

City of Miramar - Engineering Services Department
2200 Civic Center Place
Miramar, Florida 33025

Contact:

Salvador Zuniga, PE
Phone: (954) 602-3323
sezuniga@miramarfl.gov

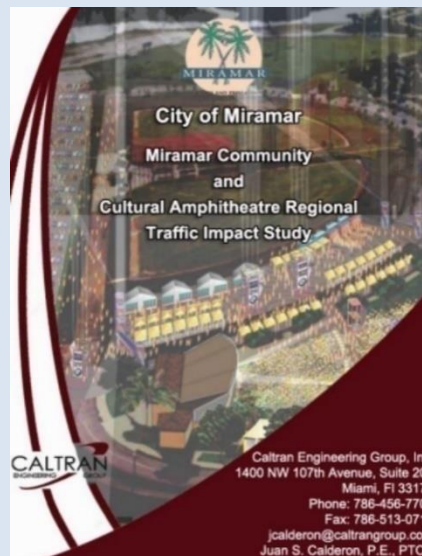
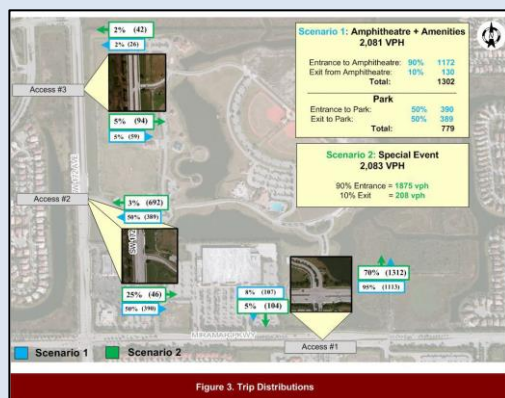
Contract Date: 2015-2016

Contract Fee: \$61,200

Description: As prime, **CALTRAN** provides general traffic engineering services and support, which include the following assignments: provide a certified cost estimate for the traffic signal, close median, and directional median at Fountains of Miramar driveway and SW 160th Avenue/Dykes Road, Regional Park & Amphitheater Traffic Impact Study & Noise Study, Right of Way Improvements at Miramar Driveway and SW 160th Avenue, U-Turn Lane improvements at Fountains of Miramar Driveway.



Figure 1. Site Location



Caltran Engineering Group, Inc.
1400 NW 107th Avenue, Suite 209
Miami, FL 33172
Phone: 786-456-7700
Fax: 786-513-0711
jcalderon@caltranguroup.com
Juan S. Calderon, P.E., PTOE



Project Name: City of Oakland Park Traffic Engineering Consultant

**Similar Scope Experience as referred by City of Key West RFQ 23-003:
Traffic Study, Bicycle and Pedestrian Planning**

Client:

City of Oakland Park
3650 NE 12th Avenue
Oakland Park, Florida 33334

Contact:

Albert J Carbon III – Public Works Director
Phone: (954) 660-4458
albertc@oaklandparkfl.gov

Contract Date: 2017-2018

Contract Fee: \$18, 000

Description: CALTRAN Engineering Group served as a traffic engineering consultant for the city with tasks that included Traffic Impact Reviews for private applications such as a new hospital, the revision of the traffic calming ordinance, the re-development of a calming traffic program, assisted in the roadway design consulting to improve two roundabouts located at NW 38th Street with NW 3rd Avenue and NW 5th Avenue to determine geometric modifications to enhance traffic pattern deflections within the inner travel lanes.



Exhibit 2: Traffic Calming Measures

Measure	Traffic Calming Effectiveness			Road Definition
	Speed Reduction	Reduction in Roadway Incidents	Improvement in Roadway Accessibility	
Speed Humps	High	High	High	✓
Speed Cushions	High	High	High	✓
Speed Tables	High	High	High	✓
Lateral Shift	Medium	Medium	Medium	✓
Chicanes	Medium	Medium	Medium	✓
Roundabouts	High	High	High	✓
Chicanes	Medium	Medium	Medium	✓
Median Island	Medium	Medium	Medium	✓
Diagonal Divisor	Medium	Medium	Medium	✓
Median Barrier and Four Turn Islands	High	High	High	✓
Corner Extension	Medium	Medium	Medium	✓
Roundabout	High	High	High	✓

Effectiveness: High (Green circle), Medium (Yellow circle), None (Red circle)



Project Name: NW 3rd Avenue & NW 1st Avenue, between NW 29th St & NW 25 St

Similar Scope Experience as referred by City of Key West RFQ 23-003:
Traffic Study and Complete Street

Client:

Wynwood Business Improvement District
2751 North Miami Avenue, Suite 3
Miami, Florida 33127

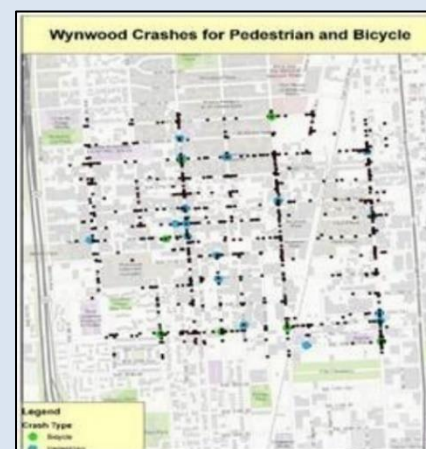
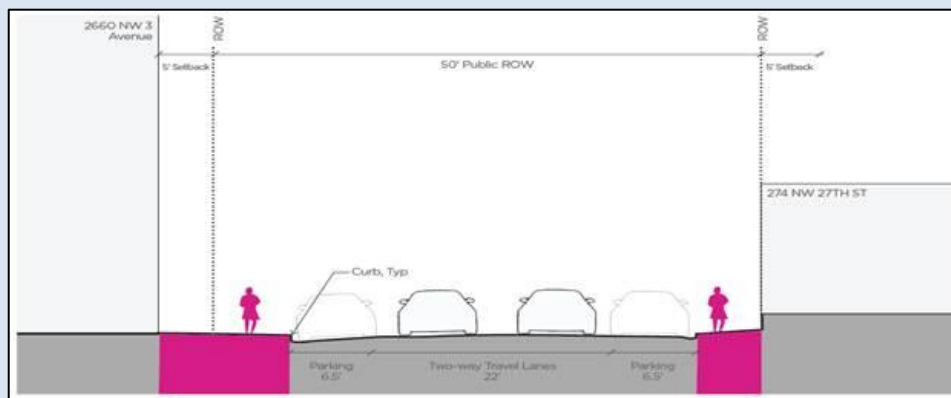
Contact:

Manny Gonzalez
Phone: o. (786) 615-8828
c. (305) 316-8202

Contract Date: 2019 - 2020

Contract Fee: \$27,000

Description: A Complete Street concept and Lane Elimination was proposed by the Wynwood Business Improvement District (BID) to Miami-Dade County along two corridors, NW 3rd Avenue and NW 1st Avenue, from N.W. 29th Street to N.W. 25th Street, within the City of Miami. As part of the scope, **CALTRAN** studied the impact of lane elimination by collecting Turning Movement Count at 19 intersection, Traffic Volume Counts at 3 locations and also using SERPM model to assess traffic diversion due to lane elimination for NW 1st Avenue and NW 3rd Avenue to parallel facilities. Synchro was utilized to explore existing, future build, and future no-build scenarios. Also, speed reduction along both segments was validated using 85th percentile speed data collection.





Project Name: FDOT D6 Bird Road/SW 40th Street from SR 826/Palmetto Expressway to SW 58th Avenue

Similar Scope Experience as referred by City of Key West RFQ 23-003:
Traffic Signal System Design and Roadway Signage-Warrants, Design/Sitting

Client:

FDOT D6
1000 NW 111th Avenue
Miami, Florida 33172

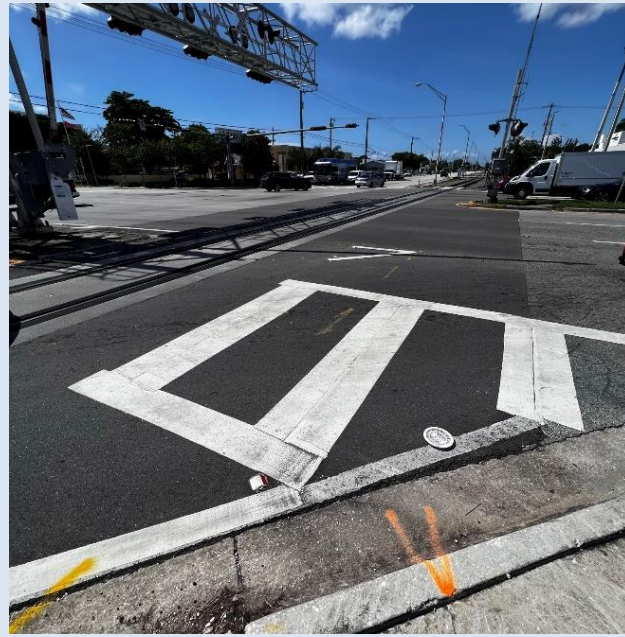
Contact:

Elsa Riverol, PE
Phone: (305) 470-5105
Elsa.Riverol@dot.state.fl.us

Contract Date: 2021

Contract Fee: \$393,000

Description: SR 976/SW 40 Street/Bird Road from East of SR 826 to SW 58 Avenue FM 445991-1-32-01 & 445991-1-32-02 Contract CAH26 a 3R project with 1.723 miles in the central area of Miami-Dade County. This road transverse a very congested area and the improvements associated with this project include milling and resurfacing, ADA curb ramps, drainage inlet tops adjustments, signalization, signing and pavement markings, MOT, and lighting pole adjustments. Additional safety improvements include the implementation of new crosswalks at the west leg of SW 72 Avenue and access management modifications by closing or implementing directional median openings.





Project Name: FDOT D6 Transportation Statistics #3, Planning Office, Miami-Dade County, FL

Similar Scope Experience as referred by City of Key West RFQ 23-003:
Traffic Counting

Client:

FDOT D6
1000 NW 111th Avenue
Miami, Florida 33172

Contact:

Ana Calleja, PE, Project Manager
Phone: (305) 470-5373

Contract Date: 2012-2017

Contract Fee: \$1,500,000

Description: Multiple assignments; including Enhanced Pavement Management Program with the primary objective to develop a framework of reliable mechanisms to ensure and accurately identify all FDOT D6 pavement deficient segments to be assigned for scoping and gaming. Provided PTMS design services, coordinated and reviewed traffic data collection, and provided engineering in-house support.



Project Name: Ludlam Trail PD&E Traffic Study



**Similar Scope Experience as referred by City of Key West RFQ 23-003:
Traffic Study**

Client:

AECOM Technical Services
7650 Corporate Center Dr
Miami, FL 33126

Contact:

Deborah Devivero,
Phone: 407-992-5055,
deborah.devivero@aecom.com

Contract Date: 2018-2019

Contract Fee: \$74,000

Description: Collected traffic data at 19 intersections and 15 traffic volume counts for 5.6 miles of the proposed shared used path trail study area. Balanced and adjusted data for microsimulation analysis of existing conditions, analyzed future no-build and build scenarios to evaluate impact. Used SERPM 7.0 non-motorized forecast and Strava bicycle and pedestrian data to estimate trail ridership. Used FDOT Traffic Engineering Manual and County guidelines to recommend 15 midblock crossing treatments to enhance shared use path users safety.



Project Name: 2020 Vision Zero Implementation Plan, Miami-Dade, FL

**Similar Scope Experience as referred by City of Key West RPQ 23-003:
Bicycle and Pedestrian Planning**

Client:

Miami-Dade DTPW

Contact:

Irene Soria
Phone: (305) 299-7263
Irene.SoriaCordero@miamidade.gov

Contract Date: 2020 - Ongoing

Contract Fee: \$329,000

Description: CALTRAN developed a countermeasures matrix to serve as a reference during the brainstorming phase for transportation professionals. First, common collision types that involve people walking and biking were identified. Then, the engineering countermeasures with respective crash modification factors (CMFs) or crash reduction potential were listed against common collision types. The countermeasure matrix was used to develop a recommendation for the two highest crash locations near transit within the County. To re-engage Vision Zero internal stakeholders, the CALTRAN team led two parallel educational workshops for the 'Champions' (department directors, other policy-makers) and a separate workshop for 'implementors' (professional planners, engineers, health). National safety and policy experts and peers participated in a panel discussion at the workshops.



Project Name: SR A1A / South Roosevelt Blvd. at Smathers Beach



**Similar Scope Experience as referred by City of Key West RFQ 23-003:
Pedestrian Planning**

Client:

Choice Engineering Consultant, Inc.
12855 SW 132 Street, Suite 200
Miami, Florida 33186

Contact:

Carlos Francis, PE, PTOE
Phone: (786) 250-5526

Contract Date: 2017-2019

Contract Fee: \$53,000

Description: The purpose of this Technical Memorandum was to document and provide recommendations based on the evaluation to install a new pedestrian crossing(s) along the following locations:

Location 1: SR A1A / South Roosevelt Blvd at Smathers Beach & SR A1A / South Roosevelt Blvd and Seaside Drive.

Data collection was performed along at SR A1A / South Roosevelt Blvd at Smathers Beach which included the following:

- 3-day Vehicle Gap Data (each day).
- 3-day Pedestrian Crossing Group Size and Volume Counts (4 hours each day).
- 2-day Spot Speed Data

Data was also collected for SR A1A / South Roosevelt Blvd and Seaside Drive which included the following: 1-day Pedestrian Crossing Group Size and Volume Counts (4 hours – Saturday)

In addition, a crash review was performed for both locations by analyzing the FDOT CARS database online crash data. It is important to note that close attention to pedestrian and bicycle crashes was given as part of the analysis.

As a result, Recommendations were based on the Florida Department of Transportation, Traffic Engineering Manual and the Manual of Uniform Studies






9. Sworn Statement and Affidavits

ANTI-KICKBACK AFFIDAVIT

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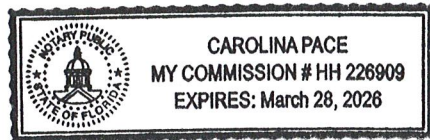
I, the undersigned hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the City of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

By: 
Juan S. Calderon, PE, PTOE

Sworn and subscribed before me this

27 day of March, 2023.

NOTARY PUBLIC, State of Florida at Large

My Commission Expires: March 26, 2028

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STATE OF FLORIDA)

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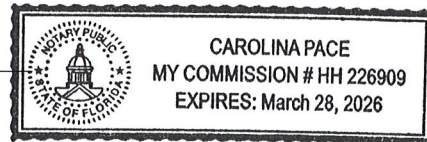
I, the undersigned hereby declares that the only persons or parties interested in this Proposal are those named herein, that this Proposal is, in all respects, fair and without fraud, that it is made without collusion with any official of the Owner, and that the Proposal is made without any connection or collusion with any person submitting another Proposal on this Contract.

By: Juan S. Calderon, PE, PTOE

Sworn and subscribed before me this

27 day of March, 2023.

~~NOTARY PUBLIC~~, State of Florida at Large

My Commission Expires: March 26, 2028

**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 # 23-003 for
Request for Qualifications Traffic Engineering Services
2. This sworn statement is submitted by CALTRAN Engineering Group, Inc.
(Name of entity submitting sworn statement)

whose business address is 790 NW 107 Ave., Suite 200, Miami, Florida 33172
_____ and (if applicable) its Federal
Employer Identification Number (FEIN) is F27-456-4005 (If the entity has no FEIN,
include the Social Security Number of the individual signing this sworn statement.)
3. My name is Juan S. Calderon, PE, PTOE and my relationship to
(Please print name of individual signing)

the entity named above is Principal.
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 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 t 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

let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

8. Based on information and belief, the statement, which I have marked below, is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)

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

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

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

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

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

(Signature)

Juan S. Calderon, PE, PTOE

STATE OF Florida (Date) March 27, 2023

COUNTY OF Miami-Dade

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

Juan S. Calderon, PE, PTOE

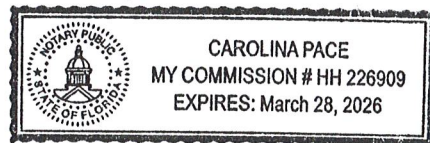
(Name of individual signing)

who, after first being sworn by me, affixed his/her signature in the

space provided above on this 27 day of March, 2023.

My commission expires: March 26, 2028

NOTARY PUBLIC



CITY OF KEY WEST INDEMNIFICATION FORM

CONTRACTOR agrees to protect, defend, indemnify, save and hold harmless The City of Key West, all its Departments, Agencies, Boards, Commissions, officers, City's Consultant, agents, servants and employees, including volunteers, from and against any and all claims, debts, demands, expense and liability arising out of injury or death to any person or the damage, loss of destruction of any property which may occur or in any way grow out of any act or omission of the CONTRACTOR, its SUBCONTRACTOR(S), its agents, servants, and employees, or any and all costs, expense and/or attorney fees incurred by the City as a result of any claim, demands, and/or causes of action except of those claims, demands, and/or causes of action arising out of the negligence of The City of Key West, all its Departments, Agencies, Boards, Commissions, officers, agents, servants and employees. The CONTRACTOR agrees to investigate, handle, respond to, provide defense for and defend any such claims, demand, or suit at its sole expense and agrees to bear all other costs and expenses related thereto, even if it (claims, etc.) is groundless, false or fraudulent. The City of Key West does not waive any of its sovereign immunity rights, including but not limited to, those expressed in Section 768.28, Florida Statutes. Nothing contained herein shall be construed to alter or waive the City's sovereign immunity under 768.28, Florida Statutes. CONTRACTOR understands and agrees that any and all liabilities regarding the use of any subcontractor for services related to this agreement shall be borne solely by the CONTRACTOR. 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 CONTRACTOR 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 CONTRACTOR or of any third party to whom CONTRACTOR may subcontract a part or all of the Work. Ten dollars of the consideration paid by the City is acknowledged by CONTRACTOR as separate, good and sufficient consideration for this indemnification.

This indemnification shall be interpreted to comply with Section 725.06 and 725.08, Florida Statutes.

These indemnifications shall survive the term of this agreement. In the event that any action or proceeding is brought against the City of Key West by reason of such claim or demand, CONTRACTOR shall, upon written notice from the City of Key West, resist and defend such action or proceeding by counsel satisfactory to the City of Key West.

The indemnification provided above shall obligate CONTRACTOR to defend at its own expense to and through appellate, supplemental or bankruptcy proceeding, or to provide for such defense, at the City of Key West's option, any and all claims of liability and all suits and actions of every name and description covered above which may be brought against the City of Key West whether performed by CONTRACTOR, or persons employed or utilized by CONTRACTOR. The CONTRACTOR'S obligation to indemnify, defend and pay for the defense of the CITY, or at the CITY's option, to participate and associate with the CONTRACTOR in the defense and trial of any claim and any related settlement negotiations,

shall be triggered immediately upon the CONTRACTOR'S receipt of the CITY'S notice of claim for indemnification. The notice of claim for indemnification shall be deemed received if the CITY sends the notice in accordance with the formal notice mailing requirements set forth in this AGREEMENT.

The CONTRACTOR'S evaluation of liability or its inability to evaluate liability shall not excuse the CONTRACTOR'S duty to defend and indemnify the CITY under the provisions of this AGREEMENT. Only an adjudication or judgment, after the highest appeal is exhausted, specifically finding the CITY was solely negligent shall excuse performance of this provision by the CONTRACTOR.

The CONTRACTOR'S obligation under this provision shall not be limited in any way by the agreed upon Contract Price as shown in this agreement, or the CONTRACTOR's limit of or lack of sufficient insurance protection. This indemnification shall continue beyond the date of completion of the work.

COMPANY SEAL

CONTRACTOR: CALTRAN Engineering Group, Inc.

Address

790 NW 107 Avenue

Suite 200

Miami, Florida 33172

Signature



Juan S. Calderon, PE, PTOE

3/27/2023

Print Name

Date

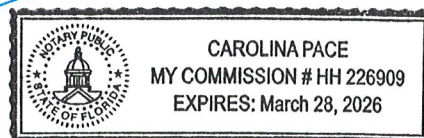
Principal

Title

NOTARY FOR THE CONTRACTOR

STATE OF Florida

COUNTY OF Miami-Dade



The foregoing instrument was acknowledged before me by means of ☐ physical presence, or ☐ online notarization, this 27 day of March, 2023, by Juan S. Calderon, PE, PTOE, authorized person of CALTRAN Engineering Group, Inc. on behalf of the Company.





Signature of Notary Public-State of Florida

Carolina Pace
Name of Notary

Personally Known X_____


OR Produced Identification _____

Type of Identification
Produced _____

EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT

STATE OF Florida)
 : SS
COUNTY OF Miami-Dade)

I, the undersigned hereby duly sworn, depose and say that the firm of CALTRAN Engineering Group, Inc. 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: 

Sworn and subscribed before me this

27 day of March, 2023.



NOTARY PUBLIC, State of Florida at Large

My Commission Expires: March 26, 2028



City Ordinance Sec. 2-799
Requirements for City Contractors to Provide Equal Benefits for Domestic Partners

(a) Definitions. For purposes of this section only, the following definitions shall apply:

- (1) **Benefits** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package: sick leave, bereavement leave, family medical leave, and health benefits.
- (2) **Bid** shall mean a competitive bid procedure established by the city through the issuance of an invitation to bid, request for proposals, request for qualifications, or request for letters of interest.
- (3) **Cash equivalent** means the amount of money paid to an employee with a domestic partner in lieu of providing benefits to the employee's domestic partner. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse.

The cash equivalents of the following benefits apply:

- a. For bereavement leave, cash payment for the number of days that would be allowed as paid time off for the death of a spouse. Cash payment would be in the form of the wages of the domestic partner employee for the number of days allowed.
 - b. For health benefits, the cost to the contractor of the contractor's share of the single monthly premiums that are being paid for the domestic partner employee, to be paid on a regular basis while the domestic partner employee maintains such insurance in force for himself or herself.
 - c. For family medical leave, cash payment for the number of days that would be allowed as time off for an employee to care for a spouse who has a serious health condition. Cash payment would be in the form of the wages of the domestic partner employee for the number of days allowed.
- (4) **Contract** means any written agreement, purchase order, standing order or similar instrument entered into pursuant to the award of a bid whereby the city is committed to expend or does expend funds in return for work, labor, professional services, consulting services, supplies, equipment, materials, construction, construction related services or any combination of the foregoing.
 - (5) **Contractor** means any person or persons, sole proprietorship, partnership, joint venture, corporation, or other form of doing business, that is awarded a bid and enters into a covered contract with the city, and which maintains five (5) or more full-time employees.
 - (6) **Covered contract** means a contract between the city and a contractor awarded subsequent to the date when this section becomes effective valued at over twenty thousand dollars (\$20,000).
 - (7) **Domestic partner** shall mean any two adults of the same or different sex, who have registered as domestic partners with a governmental body pursuant to state or local law authorizing such registration, or with an internal registry maintained by the employer of at least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partner who do not

register their partnerships pursuant to a governmental body authorizing such registration, or who are located in a jurisdiction where no such governmental domestic partnership registry exists. A contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Key West pursuant to Chapter 38, Article V of the Key West Code of Ordinances.

- (8) ***Equal benefits*** mean the equality of benefits between employees with spouses and employees with domestic partners, and/or between spouses of employees and domestic partners of employees.

(b) Equal benefits requirements.

- (1) Except where otherwise exempt or prohibited by law, a Contractor awarded a covered contract pursuant to a bid process shall provide benefits to domestic partners of its employees on the same basis as it provides benefits to employees' spouses.
- (2) All bid requests for covered contracts which are issued on or after the effective date of this section shall include the requirement to provide equal benefits in the procurement specifications in accordance with this section.
- (3) The city shall not enter into any covered contract unless the contractor certifies that such contractor does not discriminate in the provision of benefits between employees with domestic partners and employees with spouses and/or between the domestic partners and spouses of such employees.
- (4) Such certification shall be in writing and shall be signed by an authorized officer of the contractor and delivered, along with a description of the contractor's employee benefits plan, to the city's procurement director prior to entering into such covered contract.
- (5) The city manager or his/her designee shall reject a contractor's certification of compliance if he/she determines that such contractor discriminates in the provision of benefits or if the city manager or designee determines that the certification was created, or is being used for evading the requirements of this section.
- (6) The contractor shall provide the city manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the city manager has received a complaint or has reason to believe the contractor may not be in compliance with the provisions of this section. This shall include but not be limited to providing the city manager or
his/her designee with certified copies of all of the contractor's records pertaining to its benefits policies and its employment policies and practices.
- (7) The contractor may not set up or use its contracting entity for the purpose of evading the requirements imposed by this section.

(c) Mandatory contract provisions pertaining to equal benefits. Unless otherwise exempt, every covered contract shall contain language that obligates the contractor to comply with the applicable provisions of this section. The language shall include provisions for the following:

- (1) During the performance of the covered contract, the contractor certifies and represents that it will comply with this section.

- (2) The failure of the contractor to comply with this section will be deemed to be a material breach of the covered contract.
 - (3) If the contractor fails to comply with this section, the city may terminate the covered contract and all monies due or to become due under the covered contract may be retained by the city. The city may also pursue any and all other remedies at law or in equity for any breach.
 - (4) If the city manager or his designee determines that a contractor has set up or used its contracting entity for the purpose of evading the requirements of this section, the city may terminate the covered contract.
- (d) Enforcement. If the contractor fails to comply with the provisions of this section:
- (1) The failure to comply may be deemed to be a material breach of the covered contract; or
 - (2) The city may terminate the covered contract; or
 - (3) Monies due or to become due under the covered contract may be retained by the city until compliance is achieved; or
 - (4) The city may also pursue any and all other remedies at law or in equity for any breach;
 - (5) Failure to comply with this section may also subject contractor to the procedures set forth in Division 5 of this article, entitled "Debarment of contractors from city work."
- (e) Exceptions and waivers.

The provisions of this section shall not apply where:

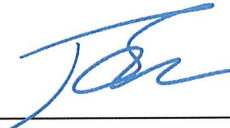
- (1) The contractor does not provide benefits to employees' spouses.
- (2) The contractor is a religious organization, association, society or any non-profit charitable or educational institution or organization operated, supervised or controlled by or in conjunction with a religious organization, association or society.
- (3) The contractor is a governmental entity.
- (4) The sale or lease of city property.
- (5) The provision of this section would violate grant requirement, the laws, rules or regulations of federal or state law (for example, the acquisition services procured pursuant to Chapter 287.055, Florida Statutes known as the "Consultants' Competitive Negotiation Act").
- (6) Provided that the contractor does not discriminate in the provision of benefits, a contractor may also comply with this section by providing an employee with the cash equivalent of such benefits, if the city manager or his/her designee determines that either:
 - a. The contractor has made a reasonable yet unsuccessful effort to provide equal benefits. The contractor shall provide the city manager or his/her designee with sufficient proof of such inability to provide such benefit or benefits which shall include the measures taken to provide such benefits or benefits and the cash equivalent proposed, along with its certificate of compliance, as is required under this section.

- (7) The city commission waives compliance of this section in the best interest of the city, including but not limited to the following circumstances:
 - a. The covered contract is necessary to respond to an emergency.
 - b. Where only one bid response is received.
 - c. Where more than one bid response is received, but the bids demonstrate that none of the bidders can comply with the requirements of this section.
- (f) City's authority to cancel contract. Nothing in this section shall be construed to limit the city's authority to cancel or terminate a contract, deny or withdraw approval to perform a subcontract or provide supplies, issue a non-responsibility finding, issue a non-responsiveness finding, deny a person or entity prequalification, or otherwise deny a person or entity city business.
- (g) Timing of application. This section shall be applicable only to covered contracts awarded pursuant to bids which are after the date when this section becomes effective.

CONE OF SILENCE AFFIDAVIT

STATE OF Florida)
 : SS
COUNTY OF Miami-Dade)

I the undersigned hereby duly sworn depose and say that all owner(s), partners, officers, directors, employees and agents representing the firm of CALTRAN Engineering Group, Inc. 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).



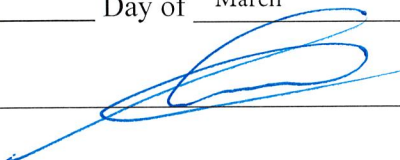
(signature)

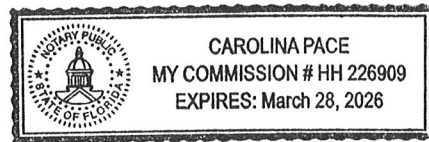
March 27, 2023

(date)

Sworn and subscribed before me this

27 Day of March, 2023.





NOTARY PUBLIC, State of Florida at Large

My Commission Expires: March 26, 2028

City Ordinance Sec. 2-773. - Cone of silence.

- (a) *Definitions.* For purposes of this section, reference to one gender shall include the other, use of the plural shall include the singular, and use of the singular shall include the plural. The following definitions apply unless the context in which the word or phrase is used requires a different definition:
- (1) *Competitive solicitation* means a formal process by the City of Key West relating to the acquisition of goods or services, which process is intended to provide an equal and open opportunity to qualified persons and entities to be selected to provide the goods or services. Competitive solicitation shall include request for proposals ("RFP"), request for qualifications ("RFQ"), request for letters of interest ("RFLI"), invitation to bid ("ITB") or any other advertised solicitation.
 - (2) *Cone of silence* means a period of time during which there is a prohibition on communication regarding a particular competitive solicitation.
 - (3) *Evaluation or selection committee* means a group of persons appointed or designated by the city to evaluate, rank, select, or make a recommendation regarding a vendor or the vendor's response to the competitive solicitation. A member of such a committee shall be deemed a city official for the purposes of subsection (c) below.
 - (4) *Vendor* means a person or entity that has entered into or that desires to enter into a contract with the City of Key West or that seeks an award from the city to provide goods, perform a service, render an opinion or advice, or make a recommendation related to a competitive solicitation for compensation or other consideration.
 - (5) *Vendor's representative* means an owner, individual, employee, partner, officer, or member of the board of directors of a vendor, or a consultant, lobbyist, or actual or potential subcontractor or sub-consultant who acts at the behest of a vendor in communicating regarding a competitive solicitation.
- (b) *Prohibited communications.* A cone of silence shall be in effect during the course of a competitive solicitation and prohibit:
- (1) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and the city's administrative staff including, but not limited to, the city manager and his or her staff;
 - (2) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and the mayor, city commissioners, or their respective staff;
 - (3) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and any member of a city evaluation and/or selection committee therefore; and
 - (4) Any communication regarding a particular competitive solicitation between the mayor, city commissioners, or their respective staff, and a member of a city evaluation and/or selection committee therefore.
- (c) *Permitted communications.* Notwithstanding the foregoing, nothing contained herein shall prohibit:
- (1) Communication between members of the public who are not vendors or a vendor's representative and any city employee, official or member of the city commission;
 - (2) Communications in writing at any time with any city employee, official or member of the city commission, unless specifically prohibited by the applicable competitive solicitation.
 - (A) However, any written communication must be filed with the city clerk. Any city employee, official or member of the city commission receiving or making any written communication must immediately file it with the city clerk.
 - (B) The city clerk shall include all written communication as part of the agenda item when publishing information related to a particular competitive solicitation;

- (3) Oral communications at duly noticed pre-bid conferences;
 - (4) Oral presentations before publically noticed evaluation and/or selection committees;
 - (5) Contract discussions during any duly noticed public meeting;
 - (6) Public presentations made to the city commission or advisory body thereof during any duly noticed public meeting;
 - (7) Contract negotiations with city staff following the award of a competitive solicitation by the city commission; or
 - (8) Purchases exempt from the competitive process pursuant to section 2-797 of these Code of Ordinances;
- (d) *Procedure.*
- (1) The cone of silence shall be imposed upon each competitive solicitation at the time of public notice of such solicitation as provided by section 2-826 of this Code. Public notice of the cone of silence shall be included in the notice of the competitive solicitation. The city manager shall issue a written notice of the release of each competitive solicitation to the affected departments, with a copy thereof to each commission member, and shall include in any public solicitation for goods and services a statement disclosing the requirements of this ordinance.
 - (2) The cone of silence shall terminate at the time the city commission or other authorized body makes final award or gives final approval of a contract, rejects all bids or responses to the competitive solicitation, or takes other action which ends the competitive solicitation.
 - (3) Any city employee, official or member of the city commission that is approached concerning a competitive solicitation while the cone of silence is in effect shall notify such individual of the prohibitions contained in this section. While the cone of silence is in effect, any city employee, official or member of the city commission who is the recipient of any oral communication by a potential vendor or vendor's representative in violation of this section shall create a written record of the event. The record shall indicate the date of such communication, the persons with whom such communication occurred, and a general summation of the communication.
- (e) *Violations/penalties and procedures.*
- (1) A sworn complaint alleging a violation of this ordinance may be filed with the city attorney's office. In each such instance, an initial investigation shall be performed to determine the existence of a violation. If a violation is found to exist, the penalties and process shall be as provided in section 1-15 of this Code.
 - (2) In addition to the penalties described herein and otherwise provided by law, a violation of this ordinance shall render the competitive solicitation void at the discretion of the city commission.
 - (3) Any person who violates a provision of this section shall be prohibited from serving on a City of Key West advisory board, evaluation and/or selection committee.
 - (4) In addition to any other penalty provided by law, violation of any provision of this ordinance by a City of Key West employee shall subject said employee to disciplinary action up to and including dismissal.
 - (5) If a vendor is determined to have violated the provisions of this section on two more occasions it shall constitute evidence under City Code section 2-834 that the vendor is not properly qualified to carry out the obligations or to complete the work contemplated by any new competitive solicitation. The city's purchasing agent shall also commence any available debarment from city work proceeding that may be available upon a finding of two or more violations by a vendor of this section.
- (Ord. No. 13-11, § 1, 6-18-2013)

Procurement Requirements: 2 CFR 200

In anticipation of potentially receiving Federal or State funds for this project in the future, the City will comply with §200.318 - §200.327 of 2 CFR 200. As a result, the following State and Federal requirements will be adhered to:

1. Conflict of Interest: All firms must disclose with their bid the name of any officer, director or agent who is also an employee of the City or any of its departments. Further, all firms must disclose the name of any City employee who owns directly or indirectly, an interest of five percent (5%) or more in the firm's entity or any of its branches or subsidiaries.

1) Non-government Conflicts

- a) A firm shall not submit a response or enter into a contract with the City if the contract would result in the proposer having a conflict of interest. As used herein, the term conflict of interest shall mean:
 - i. The firm's contract with another customer or entity will be averse to the interest of the City;
 - or
 - ii. There is a significant risk that the interest of the City will be materially impacted by the firm's responsibilities to a current customer or entity, a former customer or entity or any other third party.
- b) Notwithstanding the existence of a conflict of interest under paragraph (a), a firm may submit a proposal and enter into a contract with the City if:
 - i. The firm reasonably believes that they will be able to provide competent and diligent representation to each affected customer or entity and;
 - ii. The conflict of interest is not prohibited by law and;
 - iii. The proposal or contract does not involve the assertion of a claim by one customer or entity against another represented by the firm in the same project or other proceeding

In addition, each individual participating in the selection process for professional services contracts must also disclose any conflict of interest. Consultant and subconsultant firms representing the City of Key West must be free of conflicting professional or personal interests. It is the responsibility of the consultant to recuse itself from submitting responses for a project if a conflict of interest exists. Subconsultants are responsible for disclosing potential conflicts of interest to the prime consultant firm and recusing themselves accordingly where conflict of interest exists.

2. Full and Open Competition: All procurement transactions for the acquisition of property or services required under a Federal award must be conducted in a manner providing full and open competition consistent with the standards of §200.319 & §200.320.
3. Contracting with small and minority firms, women's business enterprise and labor surplus area firms:
 - 1) The City will take all necessary affirmative steps to assure that minority firms, women's business enterprises, and labor surplus area firms are used when possible.
 - 2) Affirmative steps shall include:

- i) Placing qualified small and minority businesses and women's business enterprises on solicitation lists;
 - ii) Assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources;
 - iii) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority business, and women's business enterprises;
 - iv) Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority business, and women's business enterprises;
 - v) Using the services and assistance of the Small Business Administration, and the Minority Business Development Agency of the Department of Commerce; and
 - vi) Requiring the prime contractor, if subcontracts are to be let to take the affirmative steps listed in paragraphs (e)(2) (i) through(v) of this section.
4. **Procurements of Recovered Materials:** The City and its contractors must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.
5. **Unnecessary or Duplicative Items:** Provide for a review of proposed procurements to avoid purchase of unnecessary or duplicative items. Consideration should be given to consolidating or breaking out procurements to obtain a more economical purchase. Where appropriate, an analysis will be made of lease versus purchase alternatives, and any other appropriate analysis to determine the most economical approach.
6. **Federal Excess and Surplus Property:** The City encourages the use of Federal excess and surplus property in lieu of purchasing new equipment and property whenever such use is feasible and reduces project costs.
7. **Settlement of All Contractual and Administrative Issues:** The City alone must be responsible, in accordance with good administrative practice and sound business judgment, for the settlement of all contractual and administrative issues arising out of procurements. These issues include, but are not limited to, source evaluation, protests, disputes, and claims. These standards do not relieve the City of any contractual responsibilities under its contracts. The Federal awarding agency will not substitute its judgment for that of the City unless the matter is primarily a Federal concern. Violations of law will be referred to the local, state, or Federal authority having proper jurisdiction.
8. **Local Preference:** Local preference is not allowed.

9. Domestic Preferences for Procurements: As appropriate and to the extent consistent with law, the City, to the greatest extent practicable under a Federal award, prefers the purchase, acquisition, or use of goods, products, or materials produced in the United States. For the purposes of this section:

- 1) "Produced in the United States" means, for iron and steel products, that all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.
- 2) "Manufactured products" means items and construction materials composed in whole or in part of non-ferrous metals such as aluminum; plastics and polymer-based products such as polyvinyl chloride pipe; aggregates such as concrete; glass, including optical fiber; and lumber.

10. E-Verify (Execute Order 11-116): Consultant:

- 1) Shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired during the contract term; and
- 2) Shall expressly require any subcontractors performing work or providing services pursuant to this contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

11. Executive Order 11246: Compliance with Executive Order 11246 of September 24, 1965, entitled "Equal Employment Opportunity," as amended by Executive Order 11375 of October 13, 1967, and as supplemented in Department of Labor regulations (41 CFR chapter 60).

12. Termination: This agreement may be terminated at any time, with or without cause, by the City upon thirty (30) days written notice to the consultant. No further work will be performed by the consultant upon receipt of this notice unless specifically authorized by the City Manager of the City of Key West. On termination, the consultant will be paid for all authorized services performed up to the termination date plus, if terminated for the convenience of the City, reasonable expenses incurred during the close-out of the agreement. The City will not pay for anticipatory profits.

Violation of any local, state, or federal law in the performance of this contract shall constitute a material breach of this contract, which may result in the termination of this contract or other remedy, as the City deems appropriate.

13. Public Records: Article 1, Section 24, Florida Constitution, guarantees every person access to all public records, and Section 119.011(12), Florida Statutes, provides a broad definition of public record. As such, all responses to a competitive solicitation are public records unless exempt by law. Any firm claiming that its response contains information that is exempt from the public records law shall clearly segregate and mark that information and provide the specific statutory citation for such exemption. Contractors must provide the Sub-recipient, pass-thru entity, Federal awarding agency, Comptroller General of the United States, or any duly authorized representatives right of access to any books, documents, papers, or

records which are directly pertinent to the project for the purpose of making audits, examinations, excerpts, and transcriptions.

14. Records Retention: Retention of all required records for six (6) years after final payments are made and all other pending matters are closed.
15. Convicted Vendor List 287.133(2)(a), F.S.: check the convicted vendors list prior to making any awards to ensure that contracts greater than \$35,000 are not awarded to convicted vendors for a period of thirty-six (36) months following the date of their placement on the convicted vendors list.
16. Discriminatory Vendor List 287.134(2)(a), F.S.: check the discriminatory vendors list prior to making any awards to ensure that contracts are not awarded to vendors on the discriminatory vendors list.
17. Monthly and Quarterly Monitoring: The selected firm will provide monthly and quarterly documentation and reports regarding status, changes, and other details as per stipulated grant requirements for submittal by the City.

In addition, Appendix II to Part 200 must be included in all contracts:

Appendix II to Part 200 - Contract Provisions for Non-Federal Entity Contracts Under Federal Awards

In addition to other provisions required by the Federal agency or non-Federal entity, all contracts made by the non-Federal entity under the Federal award must contain provisions covering the following, as applicable.

(A) Contracts for more than the simplified acquisition threshold, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by [41 U.S.C. 1908](#), must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.

(B) All contracts in excess of \$10,000 must address termination for cause and for convenience by the non-Federal entity including the manner by which it will be effected and the basis for settlement.

(C) Equal Employment Opportunity. Except as otherwise provided under [41 CFR Part 60](#), all contracts that meet the definition of “federally assisted construction contract” in [41 CFR Part 60-1.3](#) must include the equal opportunity clause provided under [41 CFR 60-1.4\(b\)](#), in accordance with Executive Order 11246, “Equal Employment Opportunity” ([30 FR 12319, 12935, 3 CFR Part, 1964-1965](#) Comp., p. 339), as amended by Executive Order 11375, “Amending Executive Order 11246 Relating to Equal Employment Opportunity,” and implementing regulations at [41 CFR part 60](#), “Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor.”

(D) Davis-Bacon Act, as amended ([40 U.S.C. 3141-3148](#)). When required by Federal program legislation, all prime construction contracts in excess of \$2,000 awarded by non-Federal entities must include a provision for compliance with the Davis-Bacon Act ([40 U.S.C. 3141-3144](#), and [3146-3148](#)) as supplemented by Department of Labor regulations ([29 CFR Part 5](#), “Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction”). In accordance with the statute, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-Federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency. The contracts must also include a provision for compliance with the Copeland “Anti-Kickback” Act ([40 U.S.C. 3145](#)), as supplemented by Department of Labor regulations ([29 CFR Part 3](#), “Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States”). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency.

(E) Contract Work Hours and Safety Standards Act ([40 U.S.C. 3701-3708](#)). Where applicable, all contracts awarded by the non-Federal entity in excess of \$100,000 that involve the employment of mechanics or laborers must include a provision for compliance with [40 U.S.C. 3702](#) and [3704](#), as supplemented by Department of Labor regulations ([29 CFR Part 5](#)). Under [40 U.S.C. 3702](#) of the Act, each contractor must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of [40 U.S.C. 3704](#) are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

(F) Rights to Inventions Made Under a Contract or Agreement. If the Federal award meets the definition of “funding agreement” under [37 CFR § 401.2 \(a\)](#) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that “funding agreement,” the recipient or subrecipient must comply with the requirements of [37 CFR Part 401](#), “Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements,” and any implementing regulations issued by the awarding agency.

(G) Clean Air Act ([42 U.S.C. 7401-7671q](#).) and the Federal Water Pollution Control Act ([33 U.S.C. 1251-1387](#)), as amended - Contracts and subgrants of amounts in excess of \$150,000 must contain a provision that requires the non-Federal award to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act ([42 U.S.C. 7401-7671q](#)) and the Federal Water Pollution Control Act as amended ([33 U.S.C. 1251-1387](#)). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

(H) Debarment and Suspension (Executive Orders 12549 and 12689) - A contract award (see [2 CFR 180.220](#)) must not be made to parties listed on the governmentwide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at [2 CFR 180](#) that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), “Debarment and Suspension.” SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

(I) Byrd Anti-Lobbying Amendment ([31 U.S.C. 1352](#)) - Contractors that apply or bid for an award exceeding \$100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by [31 U.S.C. 1352](#). Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.

(J) See [§ 200.323](#).

(K) See [§ 200.216](#).

(L) See [§ 200.322](#).

**VENDOR CERTIFICATION REGARDING
SCRUTINIZED COMPANIES LISTS**


Respondent Vendor Name: CALTRAN Engineering Group, Inc.
Vendor FEIN: 27-456-4005
Vendor's Authorized Representative Name and Title: Juan S. Calderon, PE, PTOE - Principal
Address: 790 NW 107 Avenue, Suite 200
City: Miami State: Florida Zip: 33172
Phone Number: (786) 456-7700
Email Address: jcalderon@caltrangroup.com

SECTION 287.135(2)(A), FLORIDA STATUTES, PROHIBITS A COMPANY FROM BIDDING ON, SUBMITTING A PROPOSAL FOR, OR ENTERING INTO OR RENEWING A CONTRACT FOR GOODS OR SERVICES OF ANY AMOUNT IF, AT THE TIME OF CONTRACTING OR RENEWAL, THE COMPANY IS ON THE SCRUTINIZED COMPANIES THAT BOYCOTT ISRAEL LIST, CREATED PURSUANT TO SECTION 215.4725, FLORIDA STATUTES, OR IS ENGAGED IN A BOYCOTT OF ISRAEL. SECTION 287.135(2)(B), FLORIDA STATUTES, FURTHER PROHIBITS A COMPANY FROM BIDDING ON, SUBMITTING A PROPOSAL FOR, OR ENTERING INTO OR RENEWING A CONTRACT FOR GOODS OR SERVICES OVER ONE MILLION DOLLARS (\$1,000,000) IF, AT THE TIME OF CONTRACTING OR RENEWAL, THE COMPANY IS ON EITHER THE SCRUTINIZED COMPANIES WITH ACTIVITIES IN SUDAN LIST OR THE SCRUTINIZED COMPANIES WITH ACTIVITIES IN THE IRAN PETROLEUM ENERGY SECTOR LIST, BOTH CREATED PURSUANT TO SECTION 215.473, FLORIDA STATUTES, OR THE COMPANY IS ENGAGED IN BUSINESS OPERATIONS IN CUBA OR SYRIA.

AS THE PERSON AUTHORIZED TO SIGN ON BEHALF OF RESPONDENT, I HEREBY CERTIFY THAT THE COMPANY IDENTIFIED ABOVE IN THE SECTION ENTITLED "RESPONDENT VENDOR NAME" IS NOT LISTED ON EITHER THE SCRUTINIZED COMPANIES THAT BOYCOTT ISRAEL LIST, SCRUTINIZED COMPANIES WITH ACTIVITIES IN SUDAN LIST OR THE SCRUTINIZED COMPANIES WITH ACTIVITIES IN THE IRAN PETROLEUM ENERGY SECTOR LIST I UNDERSTAND THAT PURSUANT TO SECTION 287.135, FLORIDA STATUTES, THE SUBMISSION OF A FALSE CERTIFICATION MAY SUBJECT SUCH COMPANY TO CIVIL PENALTIES, ATTORNEY'S FEES, AND/OR COSTS AND TERMINATION OF THE CONTRACT AT THE OPTION OF THE AWARDING GOVERNMENTAL ENTITY.

CERTIFIED BY:
Juan S. Calderon, PE, PTOE Principal
PRINT NAME *PRINT TITLE*

WHO IS AUTHORIZED TO SIGN ON BEHALF OF THE ABOVE REFERENCED COMPANY.

Authorized
Signature: 

LOCAL VENDOR CERTIFICATION

PURSUANT TO CITY OF KEY WEST CODE OF ORDINANCES SECTION 2-798

The undersigned, as a duly authorized representative of the vendor listed herein, certifies to the best of his/her knowledge and belief, that the vendor meets the definition of a "Local Business." For purposes of this section, "local business" shall mean a business which:

- a. Principle address as registered with the FL Department of State located within 30 miles of the boundaries of the city, listed with the chief licensing official as having a business tax receipt with its principle address within 30 miles of the boundaries of the city for at least one year immediately prior to the issuance of the solicitation.
- b. Maintains a workforce of at least 50 percent of its employees from the city or within 30 miles of its boundaries.
- c. Having paid all current license taxes and any other fees due the city at least 24 hours prior to the publication of the call for bids or request for proposals.
 - Not a local vendor pursuant to Code of Ordinances Section 2-798
 - Qualifies as a local vendor pursuant to Code of Ordinances Section 2-798

If you qualify, please complete the following in support of the self-certification & submit copies of your County and City business licenses. Failure to provide the information requested will result in denial of certification as a local business.

Business Name CATRAN Engineering Group, Inc.


Phone: (786) 456-7700

Current Local Address: 790 NW 107 Ave # 200, Miami, FL 33172

Fax: (786) 513-0711

(P.O Box numbers may not be used to establish status)

Length of time at this address 7 years



March 27, 2023

Signature of Authorized Representative

Date

STATE OF Florida

COUNTY OF Miami-Dade

The foregoing instrument was acknowledged before me this 27 day of March
2023.

By Juan S. Calderon, PE, PTOE,

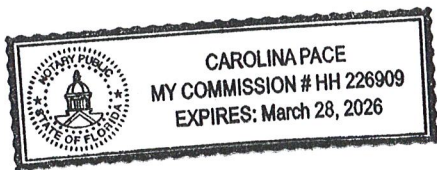
(Name of officer or agent, title of officer or agent)

of CALTRAN Engineering Group, Inc.

(Name of corporation acknowledging)

or has produced _____ as identification

(type of identification)



A handwritten signature in blue ink, appearing to read "Carolina Pace", written over a horizontal line.

Signature of Notary

Carolina Pace

Print, Type or Stamp Name of Notary

Return Completed form with

Supporting documents to:

City of Key West Phasing

_____ Title or Rank



THE CITY OF KEY WEST

Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3866

ADDENDUM NO. 1

Traffic Engineering Services RFQ 23-003

This addendum is issued as supplemental information to the bid package for clarification of certain matters of both a general and a technical nature. The referenced Request for Qualifications (RFQ) package is hereby amended in accordance with the following items:

Question: As currently worded, we believe that the language contained in the Indemnification Form on pages 51 of the RFQ is not in compliance with FL Statute 725.08 and is unenforceable. Will you agree to reword the indemnification to conform with the statute? Suggested language per FL Statute 725.08: "The design professional shall indemnify and hold harmless the agency, and its officers and employees, from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the design professional and other persons employed or utilized by the design professional in the performance of the contract."

Answer: The Indemnification Form on page 13 will remain as is.

Question: We request the City consider limiting our liability in section 7.8.1 Indemnification of City on page 51 of the RFQ to a flat dollar amount per FS 725.06.

Answer: The limits of liability in section 7.8.1 Indemnification of City can be negotiated before contract execution.

Question: How many companies do you plan to bring on board with this contract?

Answer: Page 1 A.1 Purpose, states: "The City intends to retain one or more qualified firms to provide the services for a period of three years with an additional two-year option."

Question: Do the resumes and projects are part of the page count limitation?

Answer: Page 4, C.1 Response Information, last sentence, should read and be followed "Total Proposal length (not including required forms or tabs) will not exceed 20 double-sided or 40 single pages."

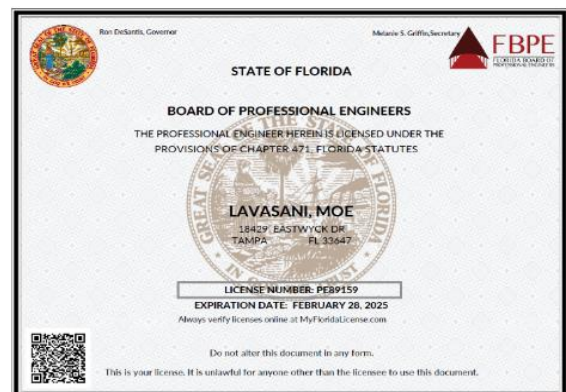
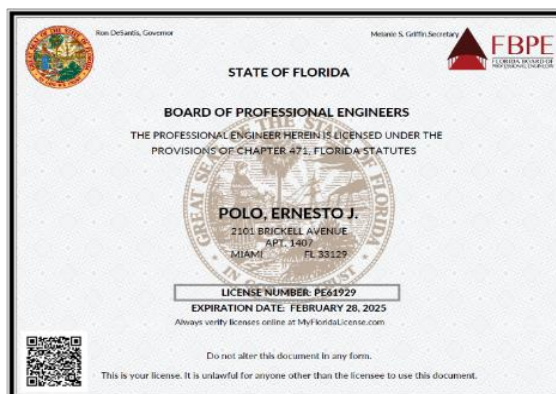
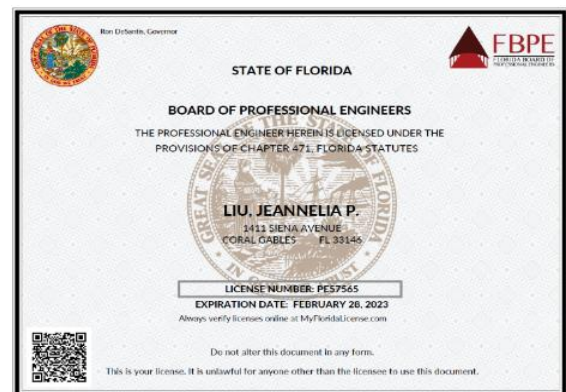
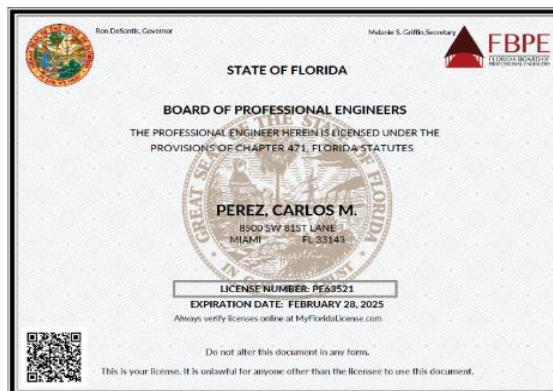
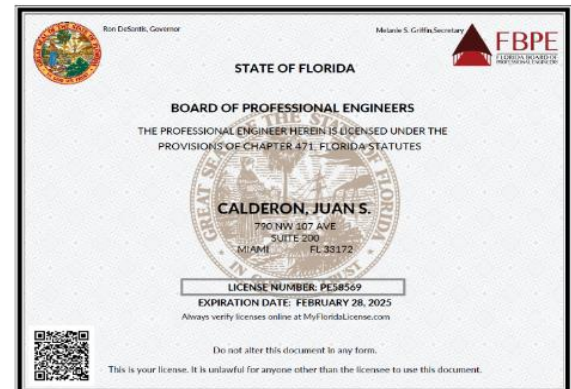
All Bidders shall acknowledge receipt and acceptance of this Addendum No. 1 with Attachment by submitting the addendum with their proposal. Proposals submitted without acknowledgement or without this Addendum may be considered non-responsive.

A handwritten signature in blue ink, appearing to be "J. B.", is written over a horizontal line.

Signature

CALTRAN Engineering Group, Inc.

Name of Business





[Department of State](#) / [Division of Corporations](#) / [Search Records](#) / [Detail By Document Number](#) /

Detail by Entity Name

Florida Profit Corporation
CALTRAN ENGINEERING GROUP, INC.

Filing Information

Document Number	P11000003969
FEI/EIN Number	27-4564005
Date Filed	01/12/2011
Effective Date	01/11/2011
State	FL
Status	ACTIVE

Principal Address

790 NW 107TH AVENUE
SUITE 200
MIAMI, FL 33172

Changed: 12/28/2016

Mailing Address

790 NW 107TH AVENUE
SUITE 200
MIAMI, FL 33172

Changed: 12/28/2016

Registered Agent Name & Address

CALDERON, CRISTINA M
790 NW 107TH AVENUE
SUITE 200
MIAMI, FL 33172

Address Changed: 01/24/2017

Officer/Director Detail

Name & Address

Title P

CALDERON, CRISTINA M
790 NW 107TH AVENUE
SUITE 200
MIAMI, FL 33172

<http://search.sunbiz.org/Inquiry/CorporationSearch/SearchResultDetail?inquirytype=EntityName&directionType=Initial&searchNameOrder=CALTRANE...> 1/2

3/9/2018

Detail by Entity Name

Title VP

CALDERON, JUAN S
790 NW 107TH AVENUE
SUITE 200
MIAMI, FL 33172

Title VP

PEREZ, CARLOS M
790 NW 107TH AVENUE
SUITE 200
MIAMI, FL 33172

Title VP

Liu, Jeannelia
790 NW 107TH AVENUE
SUITE 200
MIAMI, FL 33172

Annual Reports

Report Year	Filed Date
2015	03/30/2015
2016	03/08/2016
2017	01/24/2017

Document Images

01/24/2017 - ANNUAL REPORT	View Image in PDF format
03/08/2016 - ANNUAL REPORT	View Image in PDF format
03/30/2015 - ANNUAL REPORT	View Image in PDF format
06/28/2014 - ANNUAL REPORT	View Image in PDF format
06/23/2013 - ANNUAL REPORT	View Image in PDF format
06/20/2012 - ANNUAL REPORT	View Image in PDF format
01/12/2011 - Domestic Profit	View Image in PDF format

Florida Department of State, Division of Corporations



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Seneca Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

August 3, 2022

Miami-Dade County Internal Services Department Statement of Technical Certification Categories			
Firm: BCC ENGINEERING LLC 6401 SW 87 AVENUE, 200, Miami, FL 33173			
Code	Category Description	Approval Date	Expiration Date
1.01	TRANSPORTATION PLANNING - URBAN AREA AND REGIONAL TRANSPORTATION PLANNING	02/17/2021	02/28/2023
1.02	TRANSPORTATION PLANNING - MASS AND RAPID TRANSIT PLANNING	02/17/2021	02/28/2023
1.04	TRANSPORTATION PLANNING - PORT AND WATERWAY SYSTEMS PLANNING	02/17/2021	02/28/2023
2.01	MASS TRANSIT SYSTEMS - MASS TRANSIT PROGRAM (SYSTEMS) MANAGEMENT	02/17/2021	02/28/2023
2.02	MASS TRANSIT SYSTEMS - MASS TRANSIT FEASIBILITY & TECHNICAL STUDIES	02/17/2021	02/28/2023
2.04	MASS TRANSIT SYSTEMS - MASS TRANSIT CONTROLS, COMMUNICATIONS & INFORMATION SYSTEMS	02/17/2021	02/28/2023
3.01	HIGHWAY SYSTEMS - SITE DEVELOPMENT AND PARKING LOT DESIGN	02/17/2021	02/28/2023
3.02	HIGHWAY SYSTEMS - MAJOR HIGHWAY DESIGN	02/17/2021	02/28/2023
3.02B	HIGHWAY SYSTEMS - MINOR HIGHWAY DESIGN	02/17/2021	02/28/2023
3.03	HIGHWAY SYSTEMS - BRIDGE DESIGN	02/17/2021	02/28/2023
3.04	HIGHWAY SYSTEMS - TRAFFIC ENGINEERING STUDIES	02/17/2021	02/28/2023
3.05	HIGHWAY SYSTEMS - TRAFFIC COUNTS	02/17/2021	02/28/2023
3.06	HIGHWAY SYSTEMS - TRAFFIC CALMING	02/17/2021	02/28/2023
3.07	HIGHWAY SYSTEMS - TRAFFIC SIGNAL TIMING	02/17/2021	02/28/2023
3.08	HIGHWAY SYSTEMS - INTELLIGENT TRANSPORTATION SYSTEMS ANALYSIS, DESIGN, AND IMPLEMENTATION	02/17/2021	02/28/2023
3.09	HIGHWAY SYSTEMS - SIGNING, PAVEMENT MARKING, AND CHANNELIZATION	02/17/2021	02/28/2023
3.10	HIGHWAY SYSTEMS - LIGHTING	02/17/2021	02/28/2023
3.11	HIGHWAY SYSTEMS - SIGNALIZATION	02/17/2021	02/28/2023

Code	Category Description	Approval Date	Expiration Date
4.01	AVIATION SYSTEMS - ENGINEERING DESIGN	02/17/2021	02/28/2023
5.01	PORT AND WATERWAY SYSTEMS - ENGINEERING DESIGN	02/17/2021	02/28/2023
5.10	PORT AND WATERWAY SYSTEMS - TRANSPORTATION SYSTEMS DESIGN	02/17/2021	02/28/2023
6.01	WATER AND SANITARY SEWER SYSTEMS - WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS	02/17/2021	02/28/2023
6.01A	WATER AND SANITARY SEWER SYSTEMS - UTILITY TUNNELING FOR WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS	02/17/2021	02/28/2023
6.02	WATER AND SANITARY SEWER SYSTEMS - WATER AND SANITARY SEWAGE PUMPING FACILITIES	02/17/2021	02/28/2023
6.03	WATER AND SANITARY SEWER SYSTEMS - WATER AND SANITARY SEWAGE TREATMENT PLANTS	02/17/2021	02/28/2023
8.00	TELECOMMUNICATION SYSTEMS	02/17/2021	02/28/2023
10.01	ENVIRONMENTAL ENGINEERING - STORMWATER DRAINAGE DESIGN ENGINEERING SERVICES	02/17/2021	02/28/2023
11.00	GENERAL STRUCTURAL ENGINEERING	02/17/2021	02/28/2023
13.00	GENERAL ELECTRICAL ENGINEERING	02/17/2021	02/28/2023
16.00	GENERAL CIVIL ENGINEERING	02/17/2021	02/28/2023
17.00	ENGINEERING CONSTRUCTION MANAGEMENT	02/17/2021	02/28/2023

Approved By
Technical Certification Committee
Miami-Dade County

Jose Munoz, President
BCC ENGINEERING, LLC
6401 SW 87 Avenue, Suite 200
Miami, Florida 33173

Dear Mr. Munoz:

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

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

Group 3 - Highway Design - Roadway

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

Group 4 - Highway Design - Bridges

- 4.1.1 - Miscellaneous Structures
- 4.1.2 - Minor Bridge Design
- 4.2.1 - Major Bridge Design - Concrete
- 4.2.2 - Major Bridge Design - Steel
- 4.2.3 - Major Bridge Design - Segmental

Group 5 - Bridge Inspection

- 5.1 - Conventional Bridge Inspection
- 5.2 - Movable Bridge Inspection
- 5.3 - Complex Bridge Inspection
- 5.4 - Bridge Load Rating

Group 6 - Traffic Engineering and Operations Studies

- 6.1 - Traffic Engineering Studies
- 6.2 - Traffic Signal Timing
- 6.3.1 - Intelligent Transportation Systems Analysis and Design
- 6.3.2 - Intelligent Transportation Systems Implementation
- 6.3.3 - Intelligent Transportation Traffic Engineering Systems Communications
- 6.3.4 - Intelligent Transportation Systems Software Development

Group 7 - Traffic Operations Design

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

Group 10 - Construction Engineering Inspection

- 10.1 - Roadway Construction Engineering Inspection
- 10.3 - Construction Materials Inspection
- 10.4 - Minor Bridge & Miscellaneous Structures CEI
- 10.5.1 - Major Bridge CEI - Concrete
- 10.5.2 - Major Bridge CEI - Steel
- 10.5.3 - Major Bridge CEI - Segmental

Group 11 - Engineering Contract Administration and Management

Group 13 - Planning

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

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2023, for contracting purposes.

Approved Rates					
Home/ Branch Overhead	Field Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense
173.32%	133.72%	0.064%	Reimbursed	No	1.04%
					16.19%*

*Rent and utilities excluded from field office rate. These costs will be directly reimbursed on contracts that require the consultant to provide field office.

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

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

Sincerely,

Carliayn Kell

Carliayn Kell
Professional Services
Qualification Administrator

CBHK/kw

2



JAMES W. FENDLEY, P.

June 20, 2021

Dear Mr. Calderon:

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

Group 3 - Highway Design - Roadway

	3.1	- Minor Highway Design
	3.2	- Major Highway Design
Group 5		- Bridge Inspection
	5.1	- Conventional Bridge Inspection
Group 6		- Traffic Engineering and Operations Studies
	6.1	- Traffic Engineering Studies
	6.2	- Traffic Signal Timing
	6.3.1	- Intelligent Transportation Systems Analysis and Design
Group 7		- Traffic Operations Design
	7.1	- Signing, Pavement Marking and Channelization
	7.2	- Lighting
	7.3	- Signalization
Group 10		- Construction Engineering Inspection
	10.1	- Roadway Construction Engineering Inspection
Group 13		- Planning
	13.4	- Systems Planning
	13.5	- Subarea/Corridor Planning
	13.6	- Land Planning/Engineering
	13.7	- Transportation Studies

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2023, for contracting purposes.

Approved Rates						
Home/ Branch Overhead	Field Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense	Field Direct Expense
146.14%	133.10%	0.107%	Reimbursed	No	7.31%	2.55%

*Rent and utilities excluded from field office rate. These costs will be directly reimbursed on contracts that require the consultant to provide field office.

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

Should you have any questions, please feel free to contact me by email at carlyann.kelli@state.fl.us or by phone at 850-414-4507.

Sincerely,

Carlsgyn Kell
Professional Services
Qualification Administrator

Approved By
Technical Certification Committee
Miami-Dade County

I certify from the records of this office that CALTRAN ENGINEERING GROUP, INC. is a corporation organized under the laws of the State of Florida, filed on January 12, 2011, effective January 11, 2011.

The document number of this corporation is P11000003969

I further certify that said corporation has paid all fees due this office through December 31, 2022, that its most recent annual report/uniform business report was filed on March 22, 2022, and that its status is active.

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

Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Twenty-second day of March,
1912



Tracking Number 9029795795CC

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

<https://services.nvidia.com/Files/CertificateOfOriginalCertificateAuthentication>

00522

LBT

6876537
UNKNOWN NAME/BOYTON
CALDERON JUAN PE
790 NW 107TH AVE STE 200
MIAMI FL 33172-3158

RECEIPT FOR
RENEWAL
7151541

**EXPIRES
SEPTEMBER 30, 2023**
Must be displayed at place of business
Purchase to County Code
Classroom 85 - Art 8 & 10

CHRYSLER
CALDERON JUAN PE
C/O CALTRAN ENGINEERING GROUP INC

212 PROFESSIONAL PERSONS

PAYMENT RECEIVED
BY TOLSON & SPECTOR
\$100.00 08/05/2022
FBILOS-22-013350

This Local Business Tax Receipt only confirms payment of the Local Business Tax. The Receipt is not a license, permit, or a certification of the holder's qualifications, to do business. Holder must comply with any government or governmental regulatory laws and requirements which apply to the business.

The RECEIPT NO. above must be displayed on all commercial vehicles - Motor-Vehicle Code Sec. 36-276

For more information, visit www.kidzinfo.com/AboutUs/AboutUs.htm

For more information, visit tenetparksandleisure.com/tenetadventure

00077

LBT

6876529
BUSINESS NAME/LOCATION
CALTRAN ENGINEERING GROUP INC
790 NW 107TH AVE STE 200
MIAMI FL 33172-3158

RECEIPT NO. _____

**EXPIRES
SEPTEMBER 30, 2023**
Must be displayed at place of business
Pursuant to County Code
Chapter 8A - Art. 9 & 10

Caltrans Engineering Group Inc.
c/o Juan Calderon
Employee(s) 7

SEC. TYPE OF BUSINESS
212 P.A./CORP/PARTN
CA20079

PAYMENT WILL BE MADE TO THE TAX COLLECTOR
 \$75.00 08/05/2022
 EPPU05-22-013350

This Local Business Tax Receipt only confirms payment of the Local Business Tax. This Receipt is not a license, permit, or a certificate of the holder's qualifications to do business. Holders must comply with any governmental or nongovernmental regulations, laws and requirements which apply to the business.

For more information, visit www.mitsubishi-motors.com



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Suite 200
Miami, FL 33172
☎ +1 (786) 456-7700

📍 Broward Office
300 South. Pine Island Rd.
Suite 252
Plantation, FL 33324

📍 Tampa Office
410 S. Ware Blvd.
Suite 405
Tampa, FL 33619
☎ +1 (786) 456-7700

www.caltrangroup.com