RFP 24-008

KEY WEST

CITY-WIDE COMPREHENSIVE SAFETY ACTION PLAN

September 4, 2024

Your Best **CHOICE!**

Choice Engineering Consultants

CITY OF KEY WEST

September 3, 2024
City Clerk
City of Key West
1300 White Street
Key West, FL 33040

Dear Selection Committee Members:

Choice Engineering Consultants, Inc. (**Choice**) is pleased to submit this proposal package for the above referenced project to provide a Comprehensive Safety Action Plan for the City of Key West. We look forward to providing all services to the City as described in the "Scope of Services" section of the referenced RFP. We appreciate your consideration to review our qualifications, experience, and proposal.

Choice is a State certified DBE and Small Business Firm. **Choice** is prequalified by the Florida Department of Transportation in all of Group 3 work types *(3.1-Minor Highway Design, 3.2-Major Highway Design, 3.3-Controlled Access Highway Design);* all Group 6 work types *(6.1-Traffic Engineering Studies, 6.2-Traffic Signal Timing, 6.3.1-6.3.4-Intelligent Transportation System)*; all Group 7 work types *(7.1-Signing, Pavement Marking and Channelization, 7.2-Lighting, 7.3-Signalization)*, and the following Group 13 work types *(13.5-Subarea/Corridor, 13.7-Transportation Statistics)*. We are a full-service engineering consulting firm with staff specializing in transportation safety, planning, engineering, analysis, TSM&O, and design of roadways. Our expertise is broad and has a strong foundation in transportation engineering. **Choice** staff has been providing transportation infrastructure services to public agencies in South Florida for over 30 years. Our Team provides a group of professionals possessing City of Key West familiarity and a history of successful working relationships on multiple projects. We have teamed up with BCC Engineering, Hagen Consulting, HBC Engineering, Metric Engineering, Metric Consulting, and Media Relations Group.

Having served the City over the past 6 years with similar services, we trust the information provided in this RFP gives you an in-depth understanding of our technical and managerial experience in traffic safety and transportation planning. We look forward to the opportunity to continue assisting the City in achieving its safety and traffic management goals. We have provided detailed information regarding our staff's quality, quantity, and availability, particularly in the areas of traffic safety analysis, roadway design, and pedestrian and cyclist safety. As you will see, we continue to offer the City a high level of availability from our traffic safety and transportation planning staff. The **Choice Team** has prepared this proposal based on our experience and understanding of the major requirements and key safety considerations outlined in the contract description. Our team structure is specifically designed to meet and exceed all safety-related aspects of this project. The technical qualifications and experience of our selected staff align with the traffic safety and planning requirements of this contract. We are committed to maintaining the highest standards of safety excellence and will continue to deliver services that not only meet but exceed the safety and satisfaction levels already provided to (and expected by) the City.

We bring the local knowledge of travel patterns and safety within the City and awareness of the City's goals for its residents and visitors alike. We are aware of the issues to be faced in providing the services required by the proposed scope, and are ready, willing, and able to meet the challenge.

Sincerely,

Carlos Francis, P.E., PTOE, RSP1
President
Choice Engineering Consultants, Inc.
12855 SW 132nd St, Suite 200
Miami, FL 33186

cfrancis@choiceeng.com
786.556.3323 (cell)
786.250.5526 (office)

SECTION

B

RFP #: 24-008

PROJECT NAME:
Key West City-Wide
Comprehensive Safety Action Plan

VENDOR:
Choice Engineering Consultants, Inc.

CONTACT:
Carlos Francis, PE, PTOE, RSP
Principal / President
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12855 SW 132nd St, Suite 200
Miami, FL 33186

Choice
Engineering Consultants

State of Florida
Department of State

I certify from the records of this office that CHOICE ENGINEERING CONSULTANTS, INC. is a corporation organized under the laws of the State of Florida, filed on March 9, 2015, effective March 5, 2015.

The document number of this corporation is P15000022359.

I further certify that said corporation has paid all fees due this office through December 31, 2024, that its most recent annual report/uniform business report was filed on February 14, 2024, and that its status is active.

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

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Fourteenth day of February, 2024

Secretary of State

Tracking Number: 9189890058CC

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

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

SECTION

C

FIRM BACKGROUND

CHOICE ENGINEERING CONSULTANTS

Established in 2015, Choice Engineering Consultants, Inc. is a proud DBE, SBE company serving South Florida to further develop its transportation infrastructure. Choice Engineering is a Civil Engineering firm providing Transportation Engineering Services. Our engineering team specializes in performing Traffic Engineering and Operations Studies, Traffic Safety Analysis, Traffic Operations Design (signing, pavement marking, roadway lighting, and signalization), ADA compliance support, Signal Retiming, TSM&O Support (AAM, ITS, ASCT, System Engineering), Design Solutions in Roadway Design, and Planning (Subarea/Corridor Planning and Transportation Statistics). We also provide minor to complex roadway design, maintenance of traffic design, traffic micro-simulation, plan reviews, permit reviews, and construction site reviews.

Since its inception, Choice has proudly served numerous public sector clients such as FDOT District Four and District Six in efforts pertaining to safety studies, planning studies, traffic operations, traffic data collection and signal retiming, and the production of roadway plans for Bridge Replacement Projects, RRR Projects, and Minor Pushbutton Design Type Projects. Choice actively supports the City of Key West Engineering Department since 2018 as the Traffic Engineer Services Consultant (Prime), providing various engineering services throughout the city from citywide master plans, signal retiming, traffic assessment, and to safety related efforts in all city neighborhoods. Most recently, a Citywide Master Plan was developed to improve pedestrian signalization at signalized intersections. As part of this effort, we successfully performed an inventory of scoped traffic signals, evaluated historical crash data, and generated a data-driven ranking system.

In addition, Choice has been proudly reselected to serve as the FDOT D6 Consultant on various Districtwide contracts including multiple Traffic Operations and Safety Studies, Pedestrian and Bicycle Safety, Signal Retiming, and ADA, spearheading the District's commitment to its ADA Transition Plan while servicing our community. The following provides a summary of our firm's relevant experience with similar work completed for local governments over the past 9+ years.

- D/W Traffic Ops Safety Studies-*D6*
- D/W Traffic Ops Permit Reviews-*D6*
- D/W Traffic Ops Safety Studies-*D6 (subconsultant)*
- D/W Traffic Ops Pushbutton Design-*D6*
- D/W Traffic Ops Ped/Bike Safety Studies-*D6*
- General Traffic Engineering-*Miami-Dade County DTPW*
- D/W ADA Compliance Consultant-*D6*
- D/W Signal Retiming Continuing Services-*D6*
- Traffic Engineering Services-*City of Key West*
- General Traffic Engineering-*Village of Pinecrest*
- Traffic Signal Support-*Monroe County*
- Gen. Traffic Engineering-*City of Miami (subconsultant)*
- SR 994/Quail Roost Dr PD&E-*D6 (Safety subconsultant)*

The Choice Team provides talented staff with the necessary relevant experience, who are well versed in best engineering practices allowing us to consistently deliver innovative solutions to all challenges encountered during the life of the project. Choice Engineering has a diverse and qualified team that includes 9 professional engineers, 3 of whom are safety engineers, and 15 engineer interns, with 5 of them having passed the PE exam. The staff also consists of 14 engineering technicians, 4 designers, and 3 administrative assistants. In addition, the team boasts several certifications: 4 staff with Road Safety Professional certification, 3 staff with IMSA Level I certification, 4 with IMSA Level II, 1 with IMSA Level III, and 4 certified as IMSA Traffic Signal Inspectors. The team is further strengthened by 7 members with Intermediate MOT certification, 2 with Advanced MOT certification, and 6 each accredited as Bentley OpenRoads Designers and Modelers, underscoring our ability to manage and execute projects seamlessly from inception to completion.

At Choice, our goals and objectives revolve around creating sound processes and designs that have a wide-reaching impact in our community by improving the quality of life, enhancing safety and operations for the public, while planning for future growth. Choice is dedicated to building success and is focused on innovation and purpose-built solutions that precisely address all project needs.

SECTION

D

PERSONNEL

CHOICE Engineering Consultants, Inc.

Choice Engineering Consultants has been assisting its clients with safety evaluations since its inception. Through our clients contracting mechanisms, we have been able to perform numerous efforts such as:

- Intersection Control Evaluations is the City of Miami Beach to safety issues such as speeding
- Road Safety Audits throughout the Florida Keys to address pedestrian safety concerns
- Wrong Way Driving evaluations within Miami-Dade County
- Systemic White Light evaluations within Miami-Dade County
- Bottleneck studies to address recurring congestion/aggressive driving in Miami-Dade County
- Traffic Operations/Safety perspective plans review support for FDOT D6
- Neighborhood intrusion/cut through traffic evaluations for City of Miami
- Traffic Calming studies for various cities including Miami and Pinecrest
- Round about design to improve safety at intersections
- Pedestrian infrastructure master plan for Key West
- Mid-block pedestrian crossing evaluations throughout Miami-Dade and Monroe Counties

All of these efforts have involved, management, crash analysis, operational analysis, identifying probable causes, identifying safety improvement, quantifying safety benefits, developing cost estimates, stakeholder coordination, and extensive documentation. We have also successfully coordinated with FHWA, MUTCD Team, and FDOT Central Office to obtain interpretations, guidance, and support of innovative safety solutions over the years.

Eugenio Lopez, MSCE, PE, PTOE graduated with a Master of Science in Civil Engineering from Florida International University and has 21 years of professional experience focusing on traffic safety, operations, planning, and private developments. He established the firm's Traffic Engineering Division with the vision of cross-training engineers in various Traffic Engineering disciplines to cultivate well-rounded professionals. He effectively managed multiple FDOT task work order contracts, meeting stringent deadlines. Mr. Lopez is committed to providing exceptional customer service, responsiveness, and ensuring high-quality deliverables. He has completed and supervised traffic engineering studies for different agencies, including FDOT Districts 4 and 6, Florida's Turnpike, various municipalities including the City of Key West, and private clients. He conducted a diverse range of studies for safety assessments, fatal crashes, traffic operations, arterials, signal retiming, left-turn and signal warrants, speed assessments, traffic calming, no passing zone, pedestrian & bicycle, road safety audits, PD&Es, and planning. He developed and performed study presentations to FDOT and the public for safety, planning, traffic calming, and road safety audits. He has developed and coordinated safety/operational improvements and signal retiming efforts with state and public agencies for design, funding, and implementation. Having spent the majority of his career focused on developing safety improvements both systematically and systemically, he has performed numerous safety studies utilizing both the Vision Zero and the Target Zero approaches. He is skilled with the application of FDOT and Federal Standards, as well as the usage of CAP-X and SPICE (ICE), ISATe, CMFs, and SPFs, and engineering software, including Synchro, HCS, CORSIM, and VISSIM.

Specialized Knowledge/Expertise/Certifications:

- Safety Reviews
- Ped/Bike Studies
- Vision Zero
- Traffic Impact Studies
- Traffic Operations
- Planning Studies
- Transportation Statistics
- FL Professional Engineer (No. 68213)
- Professional Traffic Operations Engineer

Alexander Socarras, PE, PTOE, RSP1 has more than 16 years of professional consulting experience. He graduated with a Bachelor of Science in Civil Engineering from Florida International University and began his career in traffic and transportation engineering in 2007. He has successfully completed numerous traffic operations/safety and planning studies for the FDOT Districts 4 & 6 including 3 Interchange Operational Analysis Reports and 1 Interchange Justification Report. He is extremely proficient utilizing the Highway Safety Manual and the predictive method for crash analysis and improvement testing. He is actively the Project Manager on a Districtwide Traffic Operations and Safety contract for District 6 in which he is overseeing the completion of safety and operations studies spanning from a simple Tech Memo to a more comprehensive Qualitative Assessment to evaluate the existing traffic conditions at a specific location or corridor. Since 2017, Alexander has supported the FDOT Traffic Operations and TSM&O/ITS groups to improve the overall performance of nearly 1300 traffic signal on the State Highway System utilizing field data and HERE data from RITIS to develop and interpret performance metrics dashboards that quantify improvements and generate arterial performance reports. He is experienced using the Highway Capacity Software (HCS), SYNCHRO, and CORSIM simulation software's used to perform traffic analyses. He is proficient with the methodologies of the latest Highway Capacity Manual, the Manual on Uniform Traffic Control Devices (MUTCD), the Traffic Engineering Manual (TEM), the Manual on Uniform Traffic Studies (MUTS), the Project Traffic Forecasting Handbook, and the Highway Safety Manual (HSM). Alexander has worked for 6 months alongside FDOT District 6 staff as an in-house consultant in the traffic operations unit.

Specialized Knowledge/Expertise/Certifications:

- Traffic Safety
- Traffic Operations
- Vision Zero
- Planning Studies
- FL Professional Engineer (No. 80510)
- Professional Traffic Operations Engineer
- Road Safety Professional
- IMSA Traffic Signal Technician
- Intermediate MOT

Carlos Francis, PE, PTOE, RSP1 graduated with a Bachelor of Science in Civil Engineering from the University of Florida. He has over 31 years of professional experience; his first 10 years were with FDOT, where he completed the Department's PE Program and developed to become the District Safety Engineer. He is a founding Principal of Choice Engineering Consultants, Inc., where he has successfully led the Traffic Group on various districtwide contracts and multiple projects for FDOT D4, D6, Miami-Dade County, Monroe County, and the City of Key West. Carlos' career has been focused on safety, traffic operations, TSM&O, signal retiming, planning and traffic forecasting. Through his career, Carlos has served as technical advisor, senior traffic engineer, and as project manager for numerous traffic safety studies and districtwide contracts. Over the years, he has assisted public sector clients from the State level down to Municipal level to implement a safety improvement plan in order to reduce crashes along with injuries and fatalities. Given the nature of south Florida, the emphasis has been on vulnerable users such as pedestrians and bicyclists. Over the years, he has successfully identified safety improvements in cities like South Miami, Miami, Key West, Hialeah, Doral, Coral Gable, Miami Beach,and many others. As project manager, Carlos has managed contracts for a wide variety of projects, including RRR, intersection analyses, review of LAP projects, ASCT corridor design, and signal timing development & implementation.

Specialized Knowledge/Expertise/Certifications:

- Safety Reviews
- Ped/Bike Studies
- TSM&O Initiatives, including signal timing
- Traffic Impact Studies
- Transportation Statistics
- FL Professional Engineer (No. 51364)
- Professional Traffic Operations Engineer
- Road Safety Professional

Rafael S. Aguilar, PE is a founding Principal, Lead Highway Engineer and Senior Project Manager for Choice Engineering with over 26 years of experience in transportation design and project management. He graduated with a Bachelor of Science in Civil Engineering from Florida International University and has been focused on highway design and ADA compliance for over 20 years. Rafael has been involved in major and minor roadway projects throughout Florida, ranging from new construction, reconstruction, RRR, Pavement Only, Ride Only, Safety Only, ADA Only and Lighting Retrofit projects. Rafael has assisted municipalities and state agencies with the implementation of their ADA Transition Plan. He recently worked with the Florida Department of Transportation District 6 and Central Office to develop and present the District ADA Coordinator Process

Handbook and the ADA Quick Guide, currently being used by FDOT construction and maintenance personnel, as well as county and municipality representatives. He has successfully led the Roadway Group on various districtwide contracts and multiple projects for FDOT D4, D6, Miami-Dade County and the City of Key West. Rafael is Senior Project Manager and Senior Roadway Design Engineer responsible for the design and production of transportation engineering projects for the Florida Department of Transportation, Miami-Dade County, and other municipalities throughout South Florida. Rafael has specialized expertise in horizontal and vertical roadway geometry; traffic signing and pavement marking; signalization, lighting and is well versed in FDOT design, specifications, and construction procedures.

Specialized Knowledge/Expertise/Certifications:

- ADA Compliance
- Highway Design
- Signalization
- Lighting
- FL Professional Engineer (No. 74068)
- Advanced MOT

Jessica Garcia, MSCE, PE, RSP1 graduated with a Master of Science in Civil Engineering from Florida International University and has over 4 years of professional experience in the transportation field, with a focus on traffic safety, operations, and planning. She has produced safety and operational studies, safety reviews, pedestrian and bicycle studies, planning studies, traffic impact studies, traffic forecasting, signal warrant studies, intersection control evaluations, office and field based crash dispositions, traffic signal optimization and implementation, and technical memorandums for different engineering objectives. Jessica has also prepared and conducted project presentations, participated in project pursuits (including the interview process), completed task scope & fees, and coordinated with clients and citizens. Additionally, she has extensive experience using Synchro for micro simulation analyses and has performed signal retiming efforts for the State Highway System and Strategic Intermodal System.

Specialized Knowledge/Expertise/Certifications:

- Safety Reviews and Planning Studies
- Traffic Impact Studies
- FL Professional Engineer (No. 98888)
- Road Safety Professional

Erik Echezabal, MSCE, PE, PTOE graduated with a Master of Science in Civil Engineering from Florida International University and has over 14 years of transportation engineering experience in signalization and ITS design, all phases of TSM&O initiatives (Planning, Design, Integration, Operations, and Maintenance), minor roadway design, maintenance of traffic, signing and pavement marking, signal retiming, signal inspection, signal controller bench testing and troubleshooting, and traffic operations / safety analysis. Erik gained significant and important signalization/ITS experience through his work on various TSM&O retiming contracts, RRR, RO, and reconstruction projects. Erik has retimed over 600 traffic signals in Miami-Dade and Monroe Counties and has hands-on experience with intersection and corridor level optimization. He has programmed 2070 (E and LX) signal controllers, 170 signal controllers (including Miami-Dade County's controller), and NEMA signal controllers (TS1, TS2, and ATC). He is knowledgeable with KITS ATMS, McCain QuicLoad and Transparity IMS laptop software(s).

Specialized Knowledge/Expertise/Certifications:

- TSM&O Initiatives
- Signal Retiming
- FL Professional Engineer (No. 82215)
- Professional Traffic Operations Engineer
- IMSA Traffic Signal Senior Field Technician
- IMSA Traffic Signal Inspector for Advanced Technologies
- Advanced MOT

Leonardo Francis, CGC graduated with a Bachelor of Science in Construction Management and Architectural Technology from Florida International University. He has over 38 years of technical professional experience in the Civil Engineering profession; 30 of those years were with the City of Miami Beach, Public Works Department in the field of Municipal Civil Engineering and infrastructure Plans Productions, Design and Construction. During his time in Miami Beach, he started as a technician preparing infrastructure and roadway plans and rose to Project Coordinator where he managed implementation of Infrastructure Management (Cityworks), CADD (AutoCAD) and GIS (ArcMap). He managed the replacement, construction and expanded the citywide Transit Bus Stop Shelters, the installation of the Transit Bus Stop benches, and bicycle parking stations. He also supervised inspection activities in the construction and retrofitting of intersection improvements for ADA compliance.

Specialized Knowledge/Expertise/Certifications:

- ADA Compliance
- Quality Control
- Roadway Safety Audits
- Fatal Crash Field Reviews
- Traffic Impact Studies
- Traffic Opertions
- Signal Retiming Studies
- Roadway Design

Alejandro Ortega, MSCE, EI graduated with a Master of Science in Civil Engineering from Florida International University and has over 13 years of experience in the field of Transportation Engineering. He has been involved in maintenance of traffic support, signal retiming, signal controller bench testing and configuration, preparation of traffic safety studies, traffic impact studies, and the review/update of roadway characteristics inventory for the FDOT Traffic Operation Office. His experience includes the development and preparation of safety and operations studies for arterials, freeways, and composite roadway networks for FDOT D6. Specific studies include signal retiming, traffic impact, speed, before/after travel time/delay, signal warrant analysis, qualitative assessments, and fatal disposition reports. He has been involved in FDOT rail crossing tasks that included updating and maintaining the Railroad/ Highway Crossing Inventory Database, including documents and tools used by FDOT's Central Office, Federal Highway Administration, Federal Railroad Administration, local governments and other railroad companies. He also has been involved in the preparation and execution of project presentations and public outreach. He is experienced with HCS, SYNCHRO, CORSIM. In addition, he has more than 10 years of experience working with GIS related tools like ARCGIS Pro and ArcMap. He is well experienced with 2070 (E and LX) signal controllers, and NEMA signal controllers (TS1, TS2, and ATC) and has completed the Wavetronix SmartSensor Matrix and FDOT Systems Engineering 100 CBT trainings.

Specialized Knowledge/Expertise/Certifications:

- TSM&O Initiatives
- Signal Retiming
- Engineering Intern (No. 1100018209)
- IMSA Traffic Signal Field Technician
- IMSA Traffic Signal Inspector for Advanced Technologies
- Intermediate MOT

Andy Gutierrez, MSCE, EI graduated with a Master of Science in Civil Engineering from Florida International University and has over 3 years of professional experience with Choice Engineering. He has acquired considerable experience in traffic and safety engineering, safety reviews, PD&E safety and operation studies. Andy's responsibilities include actively supporting various contracts for District 6 including Districtwide Traffic Operations and Safety contracts, Districtwide PD&E contracts and Municipal (City of Key West) General Traffic Engineering Services contracts. Andy is experienced in data collection, using Synchro macrosimulation software for operational analyses, performing Intersection Control Evaluations (ICE). He is also proficient using CADD to prepare existing conditions diagrams and collision diagrams. He is familiar with state and local engineering standards and procedures for performing traffic studies including the Department's Manual on Uniform Traffic Studies (MUTS), Traffic Engineering Manual (TEM), the Florida Design Manual (FDM) and the Speed Zoning Manual. He is also familiar with the FHWA Manual on Uniform Traffic Control Devices (MUTCD).

Specialized Knowledge/Expertise/Certifications:

- Safety Studies and Reviews
- Traffic Operations
- CADD Software
- Field Work
- Engineering Intern (No. 1100026163)
- IMSA Traffic Signal Technician
- Intermediate MOT

Elizabeth Correal, EI graduated with a Bachelor of Science in Civil Engineering from Florida International University and has over 5 years of experience. She has been dedicated to supporting traffic, operations and roadway engineers, demonstrating expertise in various aspects of transportation engineering, focusing mostly on Traffic Safety. Elizabeth has specifically contributed to safety and fatal crash reviews, traffic operations and safety analysis, traffic impact studies, and the development of traffic signal plans, often stemming from safety projects, citizen inquiries, and crash occurrences. She has gained traffic data collection experience with turning movement counts, travel time & delay counts, pedestrian/bicycle counts, and more. Elizabeth demonstrates proficiency in utilizing Synchro (Macrosimulation) to prepare traffic models, addressing both present and future traffic volume scenarios. Her expertise extends to evaluating geometric changes resulting from population increases, showcasing her ability to navigate and analyze dynamic traffic conditions to support informed planning and decision-making in the transportation field. Notably, she has successfully conducted signal retiming efforts for the State Highway System and Strategic Intermodal System. She possesses extensive skills to prepare comprehensive traffic reports, involving traffic and crash data, conducting thorough field reviews, and formulating well-founded recommendations.

Specialized Knowledge/Expertise/Certifications:

- Safety Studies and Reviews
- Traffic Operations
- Synchro Software
- In-House Support
- Engineering Intern (No. 1100023664)
- IMSA Traffic Signal Technician
- Intermediate MOT

Lorenzo Fuchs, EI, RSP1 graduated with a Bachelor of Science in Civil Engineering from Florida International University and has over 4 years of professional experience. He has acquired considerable experience in traffic and safety engineering, TSM&O studies and efforts, safety reviews, ADA evaluations, PD&E Safety and Operation studies, private work, and roadway design. Lorenzo's responsibilities include actively supporting various contracts for FDOT including Districtwide Traffic Operations and Safety contracts, Districtwide Signal Retiming contracts, Districtwide PD&E contracts, private work, and Municipal (City of Key West) General Traffic Engineering Services contracts. He also has minor experience in supporting the roadway group with roadway and signalization pushbutton type design projects, quantity take-offs, and performing ADA assessments.

Specialized Knowledge/Expertise/Certifications:

- Safety Studies and Reviews
- Traffic Operations
- Synchro Software
- CADD Software
- Engineering Intern (No. 1100023971)
- IMSA Traffic Signal Technician
- Intermediate MOT

BCC Engineering, LLC

Lorin Brissett, PE holds a Master of Science in Civil Engineering from the Georgia Institute of Technology (1995) and a Bachelor of Science in Civil Engineering from The City College of New York (1994). With 28 years of transportation engineering experience, including 23 years of post-registration experience, Mr. Brissett is responsible for Task Support (Goal Development, Identification and Analysis of Project Strategies, Identification and Analysis of Project Strategies) for this project. In this role, he will draw upon his extensive experience, such as his work on the Miami-Dade Vision Zero Implementation Plan, where he managed the planning and design of safety countermeasures in high-injury areas using the Safe System Approach. His expertise in traffic safety and operations, coupled with his background in transportation planning and public engagement, makes him a crucial contributor to the success of the Vision Zero objectives on this project.

Specialized Knowledge/Expertise/Certifications:

- Vision Zero Academy Graduate (May 2024)
- Expertise in traffic safety operations, transportation planning, and impact studies
- Skilled in VISSIM for traffic operational analysis
- FL Professional Engineer (No. 56846)
- Experienced in public outreach and stakeholder engagement for transportation projects

Revanth Katta, PE, PTOE, RSP1 holds a Master of Science in Civil Engineering from the University of Florida (2015) and a Bachelor of Science in Civil Engineering from the National Institute of Technology, Calicut, India (2013). With 10 years of experience in transportation engineering, including 6 years of post-registration experience, Mr. Katta is responsible for Task Support (Crash Analysis, Identification and Analysis of Project Strategies, Action Plan Development) for this project. In this role, he will utilize his hands-on experience in traffic analysis, safety studies, and transportation planning, including his work on the Miami-Dade Vision Zero Implementation Plan, where he contributed to the design of countermeasures to reduce fatal and serious injury crashes. His strong technical skills in traffic engineering software and familiarity with key industry standards make him a vital asset for achieving the project's safety and operational goals.

Specialized Knowledge/Expertise/Certifications:

- Synchro
- CORSIM
- HCS
- AutoCAD
- MicroStation
- HCM
- HSM
- MUTCD
- ITE Trip Generation Manuals
- FL Professional Engineer (No. 85922)
- Professional Traffic Operations Engineer
- Road Safety Professional

Melissa Navarro holds a Master of Science in Regional and City Planning from the University of Oklahoma (2022), a Master's degree in Construction Management and Sustainable Architecture from the University Ramon Llull La Salle in Barcelona, Spain (2017), and a Bachelor of Science in Civil Engineering from the Escuela Colombiana de Ingenieria Julio Garavito (2012). With seven years of experience in the construction and planning industries, Ms. Navarro is responsible for Task Support (Policy research & Analysis, Action Plan Development) for this project. In this role, she will leverage her experience in city planning, public policy research, and technical project coordination. Her background includes involvement in projects like the City of Norman's planning initiatives, where she was responsible for preparing and presenting planning reports, coordinating stakeholder meetings, and conducting research to support policy development.

Specialized Knowledge/Expertise/Certifications:

- Expertise in research and data analysis
- Mapping for urban planning and policy development
- Background in sustainable construction practices and materials
- Leadership
- Experience in stakeholder
- Coordination and technical writing
- LEED Green Associate certification

Hagen Consulting Services, LLC

Larry Hagen's education includes Bachelor of Science in Civil Engineering and Master of Engineering degrees from the University of Florida. He also did additional post-graduate work at the University of South Florida. He has over 38 years of experience in the public sector, the private sector, and academia. For this project he will be serving as a Senior Engineer, assisting in Tasks 2, 5, 6, 7, 8, 10, and 11. He is currently teaching the Road Safety Champion Program for the Florida Local Technical Assistance Program (LTAP) Center which is housed at the Center for Urban Transportation Research at the University of South Florida. This program is a nationally recognized certification program taught by subject matter experts in the field of roadway safety. He also is currently involved in ongoing continuing services contracts in the field of safety for Florida DOT. Larry is currently working with the Florida DOT Central Office (Tallahassee) on a project focused on FDOT's Target Zero safety initiative and on a project focused on pedestrian and bicycle safety. He also was on a team previously selected to develop and help implement Puerto Rico's Strategic Highway Safety Plan. Larry's broad base of technical experience has equipped him with specialized knowledge and expertise.

Specialized Knowledge/Expertise/Certifications:

- Road Safety Audit Trainer
- Roadway Departure Safety Trainer
- Safe Transportation for Every Pedestrian (STEP) Trainer
- FL Professional Engineer (No. 43967)
- Professional Traffic Operations Engineer
- Road Safety Professional

HBC Engineering Company

Adebayo Coker, PE Adebayo brings 31 years of extensive experience in transportation engineering, with a focus on traffic, planning, design, Intelligent Transportation Systems (ITS), and construction management for major Florida Department of Transportation (FDOT) and Miami-Dade County projects. He has successfully managed numerous FDOT projects, showcasing exemplary leadership and management skills, including serving as an Engineer of Record (EOR). His expertise spans various civil engineering domains, specializing in Project Development & Environment (PD&E) efforts, traffic engineering, traffic safety, traffic operations, transportation planning, ITS, signalization, Vehicle Electrification, Smart Work Zones (SWZs), roadway lighting signal systems, highway design, and transportation statistics. Adebayo has also been responsible for coordinating with clients, subconsultants, permitting agencies, and project disciplines, implementing effective Quality Assurance/Quality Control (QA/QC) plans, supervising project personnel, and leading task force and community engagement efforts for major PD&E projects.

Specialized Knowledge/Expertise/Certifications:

- Project Development & Environment (PD&E)
- Traffic Engineering and Safety
- Traffic Operations Analysis & Design
- Transportation Statistics
- FL Professional Engineer (No. 55322)
- CTQP QA/QC Manager

Moatz Saad, PhD, PE, PTOE, IMSA II has 12 years of experience and currently serves as a Traffic & Safety Engineering Project Manager. He holds a Ph.D. in Transportation Engineering from the University of Central Florida and has led numerous projects across South Florida, including Transportation Management Plans, Traffic Safety, Microscopic and Macroscopic Traffic Simulations, Travel Demand Modeling, PD&E, and Traffic Impact Studies. Dr. Saad is proficient in traffic modeling software across micro, meso, and macro levels, such as VISSIM, VISUM, Aimsun, and Cube. He is also highly skilled in implementing statistical models and data mining techniques to analyze pedestrian and bicycle safety and mobility. Additionally, he specializes in analyzing Big Data, including MVDS, AVI, STRAVA, and Crowdsourced Smartphone Data.

Specialized Knowledge/Expertise/Certifications:

- Traffic Safety Analyses
- Traffic Operations Analysis & Modeling
- Project Development & Environment (PD&E)
- Transportation Planning
- Data Analysis/Data Mining
- Travel Demand Modeling
- Traffic Impact Studies
- TSM&O Applications
- Signalization
- Professional Traffic Operations Engineer
- IMSA Traffic Signal Field Technician
- Advanced MOT Certification

Claudia Bustamante, MS, PE brings 19 years of experience and currently serves as a Senior Transportation Engineer and Signing & Pavement Marking (S&PM) Project Manager. She holds a Master's Degree in Civil Engineering from the University of Central Florida and has extensive expertise in transportation engineering, including roadway design, S&PM, channelization, signalization, Temporary Traffic Control (TTC), and Project Development & Environment (PD&E) studies. Claudia has authored over 20 transportation-related publications and is actively involved in organizations such as the American Society of Civil Engineers (ASCE), Institute of Transportation Engineers (ITE), Women in Transportation Seminar (WTS), and various Transportation Research Board (TRB) committees. She has significant experience leading PD&E studies, Complete Streets projects, and pedestrian and bicycle planning studies, with a strong focus on public outreach and community engagement. Additionally, Claudia has served as a Project Manager on numerous projects, where she has overseen tasks such as geometric designs, 3D modeling, plans production, transportation alternatives, pavement designs, and Temporary Traffic Control Plans (TTCPs).

Specialized Knowledge/Expertise/Certifications:

- Transportation Planning
- Project Development & Environment (PD&E)
- Pedestrian & Bicycle Connectivity
- Complete Streets
- Traffic Safety Analyses
- Signing & Pavement Marking
- Roadway Design
- Channelization
- Signalization
- Temporary Traffic Control Plans
- Cost Estimate/Benefit-Cost Analysis
- FL Professional Engineer (No. 87981)

Metric Engineering Inc.

Stefan Escanes, PE, PTOE has 15 years of experience and currently serves as a Traffic & Safety Engineering Project Manager. He holds a B.S. in Civil Engineering from Florida International University. His expertise covers transportation planning, safety and traffic operations studies, and TSM&O implementation. He has led several Transportation Master Plans and District 6 network analyses for master planning and priority development efforts. As part of network analyses, Mr. Escanes evaluates each project for key evaluation parameters for incorporation. His Project Development & Environment (PD&E) Studies experience brings a special awareness to social elements of transportation and understands the issues associated with disproportionate impacts and underserved communities.

Specialized Knowledge/Expertise/Certifications:

- Transportation Planning
- Safety Analyses
- Traffic Analysis & Modeling
- Traffic Noise Analysis
- Traffic Operations Analysis & Design
- TSM&O Applications
- Project Development & Environment Studies
- FL Professional Engineer (No. 80578)
- IMSA Traffic Signal Field Technician
- Advanced MOT Certification

Nicole Mauntler, PE, AICP holds a B.S. in Civil Engineering from the University of Florida and has 16 years of extensive experience in planning, engineering, and managing transportation and civil projects. Her project management expertise includes overseeing planning and design efforts, budgeting, managing scope, schedule, client relations, and public involvement activities. Ms. Mauntler is also highly skilled in roadway design, multimodal planning, pedestrian improvements, drainage, and utility coordination. Notably, she led public outreach activities for the Transportation Master Plans, feasibility, planning and PD&E Studies, including the development of ArcGIS-based online surveys for community input.

Specialized Knowledge/Expertise/ Certifications:

- Transportation Planning
- Safety Analyses
- Traffic Analysis & Modeling
- Traffic Noise Analysis
- Traffic Operations Analysis & Design
- TSM&O Applications
- Signalization
- Project Development & Environment Studies
- FL Professional Engineer (No. 80578)

Josh Reichert, PE holds a B.S. in Civil Engineering from Florida State University and has 15 years of experience. As the former FDOT District 2 ITS Operations Program Manager, he oversaw the North Florida RTMC operations, ITS Maintenance, Road Ranger Service Patrol, and TIM Team programs. He has been involved in projects that integrated agency networks to share resources and data among FDOT, COJ, JTA, UNF, NFL TPO, and others, while also coordinating efforts between ITS and construction. Mr. Reichert previously worked in FDOT District 2 Safety and Traffic Studies, gaining extensive experience in the analysis and implementation of safety improvements. His safety experience paired with his operations experiences brings real world expertise to implementing effective safety improvements.

Specialized Knowledge/Expertise/ Certifications:

- Traffic Engineering & Studies
- Safety Reviews
- Traffic Operations Design
- ITS/TSM&O Design & Operations
- FL Professional Engineer (No. 77036)
- Advanced MOT

Metric Consulting, LLC

Juliann Bertone has 11 years of experience and holds an M.A. in Global Leadership & Sustainable Development from Hawaii Pacific University and a B.S. in Integrated Marketing Communications from Ithaca College. She has extensive experience with HUD's CDBG Program and in developing and executing federally funded programs. As a quality improvement project leader, she excels in planning and organizing projects, meetings, and presentations, and collaborates effectively with partners across government, non-profit, for-profit, and academic settings to enhance project skill sets and conduct data collection. Ms. Bertone is proficient in training and technical assistance, subrecipient management, program design, and compliance. Her subject matter expertise in public health and comprehensive disaster recovery equips her to manage a broad range of disasters effectively.

Specialized Knowledge/Expertise/ Certifications:

- Public Health Policy
- CDBG-DR Policy
- Subrecipient Management
- Financial Controls
- Budget Development
- Stakeholder Engagement
- Graduate Regional Institute for Health and Environmental Leadership
- CDPHE Behavioral Health for Spokespersons Training
- FEMA Introduction to ICS for Operational First Responders
- FEMA External Affair

Emily Pinell holds a B.S. in Business Administration from Nicholls State University and has eight years of experience as a Senior Recovery Closeout Specialist in the disaster recovery industry. She has a proven ability to navigate the complexities of FEMA PA Programs, demonstrating meticulous attention to detail in closeout procedures and expertise in managing force account labor and reconciliation processes. Ms. Pinell is skilled in manipulating data, finding creative insights from raw data, and has a background in designing and developing relational databases. She is an analytical, detail-oriented, and accomplished data professional with a strong track record in collecting, analyzing, and improving business data to enhance solutions.

Specialized Knowledge/Expertise/ Certifications:

- Force Account Labor
- Cost Estimating
- Project Worksheet Development
- Grant Management
- Data Analysis
- Closeout Reconciliation
- Grant Writing
- IS-01000: Public Assistance Program and Eligibility
- IS-0230.e: Fundamentals of Emergency Management
- IS-0100
- IS-276.a: Benefit-Cost Analysis Fundamentals
- IS-1001: The Public Assistance Delivery Model Orientation
- IS-1002: FEMA Grants Portal
- IS-1005: Public Assistance Alternative Procedures
- IS-1006: Disaster Damage and Developing Project Files
- IS-1007: Detailed Damage Description and Dimensions
- IS-1008: Scope of Work Development

Media Relations Group, LLC

Dayana Sanjurjo holds a Bachelor of Fine Arts in Interior Design and brings over 19 years of experience in managerial services, specializing in transportation-related projects and public outreach across Monroe and Miami-Dade Counties. Known for her bilingual communication skills and strong stakeholder engagement, she effectively manages project databases, coordinates events, and fosters relationships with local municipalities, including the City of Key West. Her recent work includes supporting the Lee County Safe Streets 4 All (SS4A) Comprehensive Safety Action Plan since 2024, where she focuses on improving road safety and reducing serious crashes through public outreach, coordinating meetings, and contributing to the development of an Action Plan that aligns with USDOT and Federal Highway Administration guidelines. Since 2021, she has been instrumental in advancing the Vision Zero Goal as part of the Miami-Dade County Vision Zero Initiative, where she supports the Task Force in public engagement activities, developing Projects & Strategies, and participating in Evaluation & Reporting efforts aimed at eliminating traffic deaths and serious injuries by 2040. In Monroe County, Dayana played a key role in the FDOT District Six North Roosevelt HAWK Construction Project, where she educated the local community on using HAWK crosswalks in Key West. Her work extends to FDOT District Six's traffic safety campaigns in both Monroe and Miami-Dade Counties, where she organized outreach events for various safety initiatives, including aggressive driving, bicycle safety, and distracted driving. Additionally, she served as the Communications Outreach Specialist for FDOT's Wrong Way Driving Initiative in Miami-Dade County, coordinating safety messaging with local officials and leading a public outreach effort, including a Media Availability Day with the Florida Highway Patrol in May 2023.

Specialized Knowledge/Expertise/ Certifications:

- Local Florida Keys Knowledge – Lower and Upper Keys
- Experience in managerial services, specializing in transportation-related projects and public outreach
- Extensive work in Monroe and Miami-Dade Counties
- Bilingual communication skills with a strong focus on stakeholder engagement
- Manages project databases
- Coordinates events
- Build relationships with local municipalities including the City of Key West
- Over 6 consecutive years of Florida Keys Project Specific Experience

Paulette Summers holds a Bachelor of Administration in International Business and a minor in Marketing and Management. She leveraged her local knowledge and Florida Keys focus to lead crucial public involvement and community engagement initiatives for FDOT District Six projects, particularly in Monroe County. From 2017 to 2022, she spearheaded the public involvement efforts for the Old Seven Mile Bridge Ribbon Cutting Ceremony in Marathon, a key milestone in FDOT's Vision Zero Goal. The project celebrated the restoration of the bridge connecting Knights Key and Pigeon Key, revitalizing the area, promoting pedestrian and cyclist safety, and bringing significant historical and economic value to the community. In 2019, she managed the public education campaign for the Key West PHB (Pedestrian Hybrid Beacon) project on North Roosevelt Boulevard, ensuring that drivers, pedestrians, and cyclists understood the new traffic safety features, furthering the Vision Zero Goal in the region. Since 2016, Mrs. Summers has served as the lead Community Outreach Specialist for FDOT District Six, with a strong focus on the lower Florida Keys and Key West. She has expertly managed public communications for over seven roadway construction projects in the region, along with more than twelve others in her portfolio. Her responsibilities include conducting weekly radio interviews, preparing evaluation & reporting documents, and coordinating with various stakeholders to ensure the local community stays informed about construction impacts, with a particular emphasis on the unique needs of the Florida Keys. Mrs. Summers led the public involvement efforts for the Overseas Highway design project, where she was responsible for preparing Community Outreach Plans, coordinating stakeholder meetings, and managing notifications and virtual public meetings. This was part of a broader action plan that integrated various projects & strategies to achieve the region's transportation and safety objectives. Her extensive experience in public relations and marketing, coupled with her strong organizational and problem-solving skills, has made her an invaluable asset to the Task Force managing community outreach and public involvement efforts in the Florida Keys.

Specialized Knowledge/Expertise/ Certifications:

- 8 years of working as COS in the Florida Keys
- Florida Keys Knowledge - Lower and Upper Keys
- Community Outreach Specilist
- Vast experience in public relations and marketing
- Leveraged deep local knowledge and Florida Keys focus for public involvement and community engagement initiatives for FDOT District Six projects, particularly in Monroe County
- An invaluable asset to the Task Force managing community outreach and public involvement efforts in the Florida Keys

Priscila Jager Clawges, LEED holds a Bachelors in Architecture and Minor in Civil Engineering. She brings 16 years of expertise in Project Development & Environment (PD&E), Public Involvement, and Transportation Planning, with a specialized focus on Monroe County. Her skill set encompasses sustainable design planning, project management, graphic design, and community engagement, all crucial for advancing the Vision Zero Goal. Ms. Clawges has a wealth of experience working with the Florida Department of Transportation (FDOT), Florida's Turnpike Enterprise, and Metropolitan Planning Organizations (MPOs). Her deep understanding of Monroe County's unique challenges and opportunities enables her to develop effective projects and strategies, ensuring successful outcomes in the region. Among her notable projects are the Long Key Bridge (#900094) Replacement PD&E Study for FDOT District 6 and the Resurfacing, Restoration, and Rehabilitation (RRR) study of US-1/North Roosevelt Boulevard in Key West, that included pedestrian, bicyclist, and transit design improvements. Additionally, she has been a key contributor to Complete Streets planning for Broward County, including developing the inaugural Broward Complete Streets Guidelines. As an active participant in the Task Force, her extensive local knowledge of Monroe County and the Florida Keys, is rooted in her background as a local Florida Keys fisherman, enriches her expertise in addressing land, sea, business, and environmental issues. Her commitment to community engagement is further reflected in her involvement in the evaluation and reporting processes and the development of action plans tailored to the specific needs of the region.

Specialized Knowledge/Expertise/ Certifications:

- Local Part-Time Resident with Project-Specific Experience in the Lower Florida Keys.
- Local Florida Keys Knowledge – Lower and Middle Keys
- Neighborhood Development, LEED AP ND, LEED Accredited Professional, U.S. Green Building Council, Florida, 2015
- Coastal Conservation Association (CCA)
- Bilingual support Spanish and English
- Project Development & Environment (PD&E), Public Involvement, and Transportation Planning
- Community engagement
- Metropolitan Planning Organizations (MPOs)

SECTION

E

EXPERIENCE AND **REFERENCES**

CITY OF KEY WEST

CHOICE EXPERIENCE

VILLAGE OF PINECREST
10800 Red Rd
Pinecrest, FL 33156

Completion Date: Ongoing
Project Budget: No defined budget, TWO based contract
CHOICE Compensation: $207,662.14

CHOICE's Responsibilities/Duties

Perform miscellaneous engineering services of a minor nature involving traffic operations including, but not limited to the review and/or development of maintenance of traffic plans, signing and marking plans, signalization plans, scoping reports, traffic study reports, safety study reports, PD&E studies, and permit packages.

Success of Plan Implementation

High. Choice staff have been given high remarks from the Village Manager and local law enforcement officials for conducting engineering studies that are concise with thoughtful recommendations that are feasible and implementable.

CITY OF MIAMI
444 SW 2nd Ave
Miami, FL 33130

Completion Date: Ongoing
Project Budget: No city defined budget, TWO based contract
CHOICE Compensation: $108,332.19

CHOICE's Responsibilities/Duties

Perform traffic calming studies for West Grapeland and West Grove/Little Bahamas study areas, including data collection, speed reduction strategies, presenting to the public, and study documentation.

Success of Plan Implementation

High. The City has expressed approval of our study recommendations, which are currently under review for integration into their traffic calming plan.

CITY OF KEY WEST
1300 White St
Key West, FL 33040

Completion Date: 4/19/2024
Project Budget: No city defined budget, TWO based contract
CHOICE Compensation: $48,411.94

CHOICE's Responsibilities/Duties

City of Key West Pedestrian Signalization Master Plan. Development of a Citywide master plan to upgrade pedestrian signalization at 35 signalized intersections. The responsibilities included a data drive approach to prioritization and ranking, data gathering, field inventories (including traffic cabinets), GIS, crash data analysis, recommendations and opinion of probable cost, and documentation.

Success of Plan Implementation

High. The City is using the plan to identify yearly budgets to incorporate design and construction cost for the upgrades.

MONROE COUNTY
1100 Simonton Street
Key West, FL 33040

Completion Date: 4/30/2018
Project Budget: No city defined budget, TWO based contract
CHOICE Compensation: $23,015.86

CHOICE's Responsibilities/Duties

Performed miscellaneous signal inspections, trouble shooting, controller replacement, field support, signal retiming, and other miscellaneous traffic studies.

Success of Plan Implementation

High. The County has implemented our technical recommendations and is pleased with the use of the budget.

MIAMI-DADE COUNTY
111 NW 1st Street, Suite 1510
Miami, FL 33128

Completion Date: 6/1/2021
Project Budget: No city defined budget, TWO based contract
CHOICE Compensation: $163,156.76

CHOICE's Responsibilities/Duties
Perform traffic study to measure operational benefits and impact of opening the NW 154 St bridge over I-75.

Success of Plan Implementation
High. The County has concurred with our study findings and formally documented them in their records.

MIAMI-DADE COUNTY
111 NW 1st Street, Suite 1510
Miami, FL 33128

Completion Date
6/7/2024

Project Budget
No city defined budget
TWO based contract

CHOICE Compensation
$200,000.00

CHOICE's Responsibilities/Duties
Provide in-house support to the Traffic Engineering Division by performing traffic operations, safety, and calming studies to provide solutions to traffic engineering problems; these include roadway capacity analysis, traffic signal and all-way stop control warrants, speed, travel time and delay, gap, parking, accidents, and other traffic operational studies.

Success of Plan Implementation
High. Successfully completed approximately 200 service requests on behalf of several TED area engineers

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CHOICE REFERENCES

MONROE COUNTY
1100 Simonton Street
Key West, Florida 33040

Years of Service Provided
1

Client Contact Name & Information
Judith Clarke, PE: (305) 295-4329
Clake-Judith@monroecounty-fl.gov

Type of Services Provided
Misc. traffic signal services, signal timing/programming, support for equipment selection and upgrades, emergency support, services provided for planned and unplanned events.

CITY OF KEY WEST
1300 White Street
Key West, FL 33040

Years of Service Provided
6

Client Contact Name & Information
Ian McDowell, PE: (305) 809-3753
cimcdowell@cityofkeywest-fl.gov

Type of Services Provided
Traffic engineering, Safety engineering, Signal timing and operations, Design, Signal inspection, and Maintenance & Emergency support (supporting Keys Energy).

MIAMI-DADE COUNTY
111 NW 1st St, Suite 1510
Miami, FL 33128

Years of Service Provided
1

Client Contact Name & Information
Yamilet Senespleda, PE, PTOE: (305) 375-2746
Yamilet.Senespleda@miamidade.gov

Type of Services Provided
Traffic Studies.

CITY OF MIAMI
444 SW 2nd Ave
Miami, FL 33130

Years of Service Provided
1

Client Contact Name & Information
Collin Worth: (305) 416-1725
cworth@miamigov.com

Type of Services Provided
Traffic Calming Studies & Public Meeting Presentation

CITY OF CORAL GABLES
405 Biltmore Way
Coral Gables, FL 33134

Years of Service Provided
1

Client Contact Name & Information
Joe Gomez, PE: (305) 569-1850
jgomez@coralgables.com

Type of Services Provided
Traffic Engineering, Data Collection & Design Services

SECTION

F

APPROACH AND METHODOLOGY

CITY OF KEY WEST

KEY WEST CITY-WIDE COMPREHENSIVE SAFETY ACTION PLAN
APPROACH AND METHODOLOGY

The City of Key West, a vibrant city known for its bustling tourism, scenic beauty, and historic charm, is a unique urban environment with a complex mix of road users, including motor vehicles, heavy vehicles, transit vehicles (public and tourist), pedestrians, cyclists, and other modes of micro-mobility such as scooters, e-bikes, electric scooters, electric skateboards, shared bicycle fleets, and electric pedal assisted bicycles, and public transportation. The city's road network faces challenges related to its high population density (average 50,000 daily), narrow streets, and the influx of tourists throughout the year. These factors contribute to increased traffic congestion and create potential safety hazards, especially at busy intersections and along major corridors.

At Choice Engineering Consultants Inc. our goals and objectives revolve around creating sound processes and designs, as well as enhancing safety and operations for all modes of transportation and the walking public. Choice is dedicated to building success and is focused on innovation and purpose-built solutions that address all project needs. Our primary office is located in southern Miami-Dade County and will serve as the office from which the contract and related tasks will be managed upon commencement for the City. Our team of professionals have extensive experience completing traffic safety and operations studies which will ensure the successful completion of all the required work in the scope of services through this contract.

Choice Engineering has partnered with *BCC Engineering*, *Hagen Consulting Services*, *HBC Engineering*, *Metric Engineering*, *Metric Consulting*, and *Media Relations Group (MRG)* to further enhance our Team and to provide redundancy at all levels. We have structured our team to meet and exceed each aspect of this project. In assembling our team, we not only considered the special capabilities of each individual, but also the current and projected workload and availability of each team member. The technical qualifications and experience of the staff selected matches the requirements of this contract as outlined in the scope of services including:

- Task 1. Project Administration
- Task 2. Vision Zero Goal
- Task 3. Task Force
- Task 4. Equity Framework
- Task 5. Community Engagement
- Task 6. Crash Analysis
- Task 7. Policies, Guidelines & Standards
- Task 8. Projects & Strategies
- Task 9. Evaluation & Reporting
- Task 10. Action Plan
- Task 11. Implementation Grant Assistance

Our Team is committed to completing all the services above that are required to develop the Key West City-wide Comprehensive Safety Action Plan with the highest standards of excellence, surpassing the expectations of the City. Our approach to every task begins by achieving a thorough understanding of our client’s needs, which allows us to complete project specific tasks that meet our client’s expectations. For this project, we have developed a structured approach that ensures the development of a clear, actionable, and community-aligned Vision Zero goal for the City of Key West. By conducting thorough research on best practices, engaging with stakeholders, and establishing measurable targets and timelines, the City will be well-positioned to implement effective strategies for reducing serious injuries and fatalities. Continuous monitoring and evaluation will support ongoing progress toward achieving Vision Zero, ensuring that the City’s transportation system becomes safer and more sustainable for all residents and visitors.

The following is a brief discussion of the Choice Team's approach and methodology on this project including project management and data gathering for each of the eleven critical tasks, including coordination and deliverables, that form the foundation of the Comprehensive Safety Action Plan, each contributing to the overarching mission of enhancing road safety and promoting a sustainable, livable community.

TASK 1: PROJECT ADMINISTRATION

Our approach to Project Administration in the Comprehensive Safety Action Plan will focus on effective project management to ensure the successful execution of the plan. The process begins with a project kickoff meeting involving City staff and the Choice Team. This meeting sets the stage for collaboration by aligning project objectives, defining roles and responsibilities, and establishing communication protocols. Key topics such as project scope, invoicing procedures, and reporting requirements are discussed to ensure all participants have a clear understanding of the project expectations. Meeting minutes will be recorded to capture key decisions, action items, and any concerns raised during this initial meeting.

Ongoing project administration involves appointing a dedicated Project Manager to oversee daily operations, track progress, and ensure adherence to the project timeline. The Choice Project Manager, Eugenio Lopez, P.E., PTOE, has 21 years of professional experience focusing on traffic safety, operations, planning, and private developments. He has effectively managed multiple FDOT task work order contracts, meeting stringent deadlines. Mr. Lopez will be the single point of contact with the City Project Manager and will effectively communicate all tasks to the Choice Team. In addition, Mr. Lopez will be supported by Mr. Alexander Socarras, P.E., PTOE, RSP1, the Choice Deputy Project Manager. Mr. Socarras has 16 years of experience performing traffic engineering safety and operations studies including managing multiple D6 Districtwide Operations/Safety Studies Contracts for more than 6 years.

Communication/Coordination/Deliverables

Effective documentation and reporting are essential components of project management. A secure, web-based repository, such as Microsoft OneDrive, will be set up to store and organize all project-related documents, ensuring easy access for team members. Meeting minutes are regularly prepared and distributed, capturing key discussions and decisions. The Choice Team also implements a monthly invoicing process and prepares quarterly progress reports to provide transparency and accountability. A communication log is maintained to document key interactions with City staff and stakeholders, ensuring all communications are tracked, particularly during the regular Task Force Meetings where specific input will be provided from all stakeholders throughout the development of Tasks 4-10 in the scope. Approximately six (6) Task Force meetings are anticipated during the Action Plan development. These meetings can be held either in person and/or virtually through Microsoft Teams, as needed. Formal documentation of the contents in Tasks 4-10 will be a Technical Memorandum available in both electronic and physical (bound) formats.

Quality Assurance Process

At Choice, we have developed and incorporated a quality assurance plan to maintain high standards for all work products to ensure deliverables meet expectations. We implement a complete Quality Management System (QMS) which provides the tools and culture to ensure quality is a day-to-day activity in the office. There are two kinds of quality activities. The first is Quality Control (QC) which occurs daily by those working on the assigned tasks. Before they finish their work, they review their product and ensure it's ready for the next person to use in the workflow. Prior to advancing internal work products, a peer review is performed by staff of the same category (i.e., a technician reviewing technician's work or an engineer reviewing engineer's work), not involved in the development of that work product. This ensures that the review is performed with the understanding of the context of the work. This process continues until the work product has been brought to a draft stage. The draft product is then reviewed by an independent engineer. At this point, the second kind of quality activity, Quality Assurance (QA), can begin. QA is the step-by-step documentation effort of the QC that occurred during the

development of the work product prior to releasing it to the client. This is a "failsafe" effort which ensures that extensive and appropriate QC was performed. In order for QA to be effective, there has to be accountability and an established process with custom checklist (depending on the work product) that ensures the appropriate level of QC has occurred and all comments have been addressed. A number of objectives will be involved in our QA program. Our process is built to make sure five measures are accomplished:

- Meet Criteria/Regulations: Use of experts to ensure appropriate engineering or proper documentation of variations
- Accurate Recommendations: Use of professionals with broad experience for reviews
- Impacts Identified: Use different disciplines to review and properly identify impacts
- Appropriate Costs: Ensure cost estimates accurately reflect of work required
- Ensure Quality: Use qualified staff (engineers, designers, technicians, etc.) not involved in the project for peer review

All these efforts are performed under an extensive documentation process which ensures all submittals have gone through the QC/QA process prior to leaving the office. The QA/QC review process will be managed by Carlos Francis, P.E., PTOE, RSP1, a principal in the firm who will be supported by Leonardo Francis, CGC.

Control of Project Schedule

The project schedule is an integral part of the Project Work Plan. We will prepare a project schedule showing the major project milestones, allowance for quality control reviews, and City review periods. Upon NTP, our PM will submit a full detailed schedule including all project activities for City review and approval. He will meet with the City PM to ensure that all parties are in agreement with the schedule and the relationships between project tasks. On a regular basis, Mr. Lopez will update the project schedule with input from the task managers and submit it to the City PM. The project progress and completion dates will be monitored against the baseline master schedule. He will monitor the progress of the work effort and review scope changes that could affect production.

Control of Project Budget

To further monitor and control costs, Mr. Lopez will utilize the earned value method to compare project expenditure to progress on a real time basis to ensure compliance with task budgets. Task managers will evaluate the progress of their task(s) weekly and designate the progress as a percentage of the task's budgeted value, resulting in an 'earned value' for this task. The earned value of each task will then be compared to the actual cost expended on that task to accurately determine the relationship between the level of effort expended to achieve the progress and the status of work product. This comparison allows our team to adjust resources and task approach to ensure that project costs are held in check. This effort allows us to accommodate minor changes in our scope without the need for supplemental agreements.

Additional details on the proposed budget and schedule (timeline) for this project will be provided at the end of this section.

TASK 2. VISION ZERO GOAL

Vision Zero is a global strategy to eliminate all traffic related fatalities and severe injuries and to improve roadway safety and mobility for all road users. The Vision Zero approach believes that traffic deaths are preventable, human failure can be integrated, fatal and severe crashes are preventable, there is a systems approach, and saving lives is not expensive. The Choice Team aligns itself with this vision and is familiar with the applicable guidelines presented in the *Vision Zero Network - Vision, Strategies, Action: Guidelines for an Effective Vision Zero Action Plan*, dated December 2017.

Based on the action plan guidelines presented, the *Vision Zero Network* approach implements Foundational Elements like building a robust data framework, setting measurable goals with a clear timeline for implementation, being accountable, and ensuring transparency, as well as several actionable strategies like prioritizing roadway design, focusing on speed management, utilizing impactful education strategies, and ensuring enforcement is equitable in order to implement and evaluate a Safety Action Plan for the City Key West that is successful.

Our process begins with conducting research on best practices in Vision Zero goal setting, drawing insights from cities with successful Vision Zero programs and examining case studies from traffic safety organizations. For instance, the Choice Team is familiar with the Vision Zero success story in the City of Oslo, Norway. In 2019 there were zero pedestrian/bicycle related fatalities, but there was only 1 fatal crash that involved a single vehicle departing the roadway and crashing into a fence post. The capital of Norway was able to achieve this by making aggressive changes such as changing their roadway system to include more pedestrian only zones, developing a smart phone app for school children to report any traffic hazards, installing traffic calming devices, lowering posted speed limits, etc. Note, the City of Marathon also received SS4A funding to develop a comprehensive safety action plan that we can monitor and gather insights from when developing the Safety Action Plan for the City of Key West.

This research will identify key elements of effective Vision Zero goals, such as measurable targets, timelines, and specific strategies for improving road safety to develop a Vision Zero goal framework specific to the City of Key West. Collaboration with City staff, City of Key West Commissioners, and other stakeholders is a crucial part of refining and finalizing the Vision Zero goal. Workshops and meetings will be organized to present research findings, discuss the draft goal framework, and gather input from various stakeholders, including community leaders and advocacy groups. Feedback will be incorporated to ensure the goal reflects the community's needs and priorities.

Once the Vision Zero goal is adopted, an implementation plan will be developed to outline the specific actions, responsibilities, and timelines needed to achieve the goal. This plan will include key strategies such as infrastructure improvements, traffic law enforcement, public education campaigns, and data-driven analysis. Responsibilities will be assigned to City departments and partner organizations, and a timeline will be established with clear milestones to measure progress. A monitoring and evaluation framework will also be set up to track progress toward the Vision Zero goal, using key performance indicators (KPIs) and regular reporting schedules. Continuous monitoring and feedback will help identify areas for improvement and refine strategies, ensuring ongoing progress toward making Key West's transportation system safer and more sustainable for all.

TASK 3. TASK FORCE

The Choice Team will collaborate with City staff to establish a Task Force comprising all involved decision-makers, tasked with overseeing three critical phases of the Safety Action Plan: plan development, implementation, and monitoring. Task Force members will be recruited from various city departments including planners, engineers, first responders, communications staff, as well as community organizations, advocacy groups, and local leaders to ensure diverse perspectives, particularly from disadvantaged and high-risk communities. This ensures the Task Force includes relevant stakeholders who can provide valuable insights into local safety concerns and equity issues. Our approach emphasizes alignment and effective communication among Task Force members, which includes organizing and leading meetings, setting agendas, and maintaining open lines of communication throughout the project including regular updates via email, newsletters, and a shared online platform.

Following its formation, the Task Force is introduced to the safety action plan through an orientation and kickoff meeting. This meeting sets the stage for collaboration by presenting key findings from preliminary research, clarifying roles, and establishing communication protocols. To facilitate ongoing collaboration, regular Task Force

meetings are scheduled at critical project phases, aligned with key milestones. It is anticipated that the Task Force will provide specific input on Tasks 4-10 throughout the development of the Action Plan. During these meetings, members will share updates, provide input on specific project issues such as the Equity Framework and Community Engagement strategies, and review progress. Both virtual and in-person meetings will be used to maximize participation and ensure detailed discussions. Meeting agendas, background materials, and feedback summaries will be prepared and documented for each session. Meeting minutes will be recorded to capture key decisions, action items, and any concerns raised during all task force meetings held throughout the development of the Action Plan.

The effectiveness of the Task Force is monitored using established metrics such as attendance rates, quality of feedback, and the implementation of suggestions. Periodic reviews will assess the Task Force's progress, with adjustments made as needed to improve its operations. This structured approach ensures the Task Force is effectively organized, actively engaged, and that its contributions are seamlessly integrated into the safety action plan.

TASK 4. EQUITY FRAMEWORK

Equity is a cornerstone of effective urban planning, ensuring that all community members benefit from development and transportation systems. Our approach integrates equity into every phase of the project, from development through implementation and monitoring. This ensures that the diverse mobility needs of all users are met, with a particular focus on providing safe, reliable, and affordable multimodal options. The Federal Highway Administration (FHWA) is advocating for the adoption of the Safe System Approach (SSA), a human-centered strategy that anticipates errors and accommodates vulnerabilities by designing roadways to enhance safety for all users. This approach is particularly critical for those disproportionately affected by crash fatalities and serious injuries. Achieving zero fatalities and serious injuries necessitates the equitable application of SSA, ensuring that the specific needs of underserved communities are addressed. This involves collecting and analyzing data to identify safety disparities, engaging with communities to understand their transportation needs, and implementing targeted improvements in safety planning, design, operations, and asset management. Continuous evaluation of outcomes is essential to monitor impact and drive ongoing improvements in roadway safety.

The Choice Team will develop a robust Equity Framework under the guidance of Mr. Eugenio Lopez. The first step is to define equity and set specific equity-related goals that will guide the safety action plan. This involves conducting research on equity best practices, organizing workshops with the City of Key West staff to align on the definition of equity, and setting measurable goals that support the city's safety objectives. In addition, appropriate members from the previously defined Task Force will be identified and engaged, including community organizations, advocacy groups, and representatives from disadvantaged communities. These partners will be invited to collaborate in the development of the Equity Framework itself, with clearly defined roles and responsibilities to ensure their meaningful input in the process.

The development of the Equity Framework itself will involve drafting an initial version with input from partners through collaborative workshops and focus group sessions. Best practices and structured facilitation techniques will be used to gather insights on defining equity, setting goals, and identifying strategies. This draft will include strategies specifically designed to ensure equitable engagement in the community, such as outreach plans that consider language barriers, accessibility, and cultural sensitivities.

Integration of the Equity Framework into subsequent tasks will involve developing metrics to measure equity impacts, particularly in crash data analysis. This step will ensure that equity considerations are monitored and addressed throughout the project, informing decision-making and highlighting disparities. Equity will also be incorporated into policies, guidelines, and project prioritization, with a focus on revising or developing policies that enhance safety and fairness across the community. Furthermore, a system for ongoing evaluation and

reporting will be established to track progress towards equity goals, using benchmarks and performance indicators.

Finalization of the Equity Framework will include a comprehensive review and refinement process documented in a technical memorandum, with feedback gathered through surveys and focus groups. The remainder of the framework will be developed further in the subsequent tasks including strategies for equitable engagement (Task 5), metrics to measure equity (Task 6), addressing equity to policies and projects (Task 7 & 8), and measuring and reporting progress towards equity (Task 9). Ongoing collaboration and monitoring will be maintained through regular check-ins with partners, continuous data collection, and reporting to stakeholders and the community. This structured approach ensures that the Equity Framework is developed collaboratively, integrated into all phases of the safety action plan, and remains effective and inclusive through continuous feedback and adaptation.

TASK 5: COMMUNITY ENGAGEMENT

The Community Engagement Framework will be developed by the Choice Team to ensure inclusive and equitable participation throughout the development, implementation, and monitoring of the safety action plan. Initially, the Team will define the objectives and goals of community engagement in collaboration with the City staff, focusing on transparency, inclusivity, and effective communication. The framework will outline strategies for overcoming engagement barriers and detail outreach plans, including the use of both traditional and digital media to reach a wide and diverse audience.

A project webpage will be created and maintained as a central platform for information sharing and feedback collection with support from the Choice Team. This webpage will host comprehensive project details, timelines, and links to online surveys, which will be available in multiple languages to ensure accessibility. Social media platforms will also be utilized to promote events, share project updates, and engage with the community, supported by a carefully planned social media content calendar.

Public workshops will be conducted in three (3) phases to coincide with major project milestones. These workshops will combine in-person and online participation to maximize reach and will use bilingual materials to cater to non-English speaking residents. Each of the three phases will focus on different aspects of the project, such as presenting findings from systemic and geographic trends identified by the crash analysis (phase 1), sharing draft recommendations from Tasks 7 and 8 (phase 2), and reviewing the draft Action Plan (phase 3), all with the objective of receiving valuable input from the community. Additionally, the Choice Team will support City-led outreach at up to two (2) major community events to further raise awareness and gather feedback.

Finally, all ongoing engagement activities will be documented in a Community Engagement Technical Memorandum, summarizing activities, participation, and key feedback. The effectiveness of these strategies will be regularly evaluated through established metrics such as community attendance and participation, and adjustments will be made to improve outreach and engagement continuously. This approach will ensure that community voices are heard, and that the safety action plan reflects the needs and concerns of all residents.

TASK 6: CRASH ANALYSIS

The Choice Team will gather crash data from the past five years, using sources like Signal Four Analytics and verifying this data with local law enforcement agencies such as the Florida Highway Patrol, Monroe County Police Department, and Key West Police Department. Signal Four Analytics is “an interactive, web-based system designed to support the crash mapping and analysis needs of law enforcement, traffic engineering, transportation planning agencies, and research institutions in the state of Florida”. The data will include GIS, tabular, and crash reports, ensuring accuracy through cross-referencing and correction of errors for the most common crash statistics including roadway classification, crash type, severity (serious injury versus fatality), lighting conditions, pavement conditions, time of day, day of the week and month. To create a comprehensive view, the analysis will

incorporate additional road and demographic data, including traffic volume, speed, and information about disadvantaged communities. This holistic approach supports the inclusion of equity considerations in the crash analysis to identify patterns of fatal and severe injury type crashes.

Next, the Choice Team will develop methodologies to identify geographic and systemic crash trends. This will involve creating a High Injury Network (HIN) to pinpoint high-risk areas, performing Hot Spot Analysis to identify crash clusters, and categorizing primary crash types based on both transportation system and behavioral factors. A meta-analysis will be conducted to understand the intersection of crashes and equity, examining how crashes disproportionately affect disadvantaged communities. These methodologies will be supported by detailed reviews of crash reports, desktop analysis, and site visits where necessary.

The execution phase involves processing and analyzing the collected data to build networks and visualize crash trends using GIS tools. The findings will be summarized through maps, statistics, and charts, highlighting key areas with high crash concentrations and systemic issues contributing to crashes. This analysis will provide a clear understanding of crash patterns, supporting targeted safety interventions. Results will be presented to the City of Key West staff and other stakeholders for feedback and refinement.

Finally, the Choice Team will document the entire crash analysis process in a technical memorandum. This document will detail data collection methods, analysis techniques, findings, and recommendations for future safety measures to be implemented and evaluated for effectiveness as part of the Safety Action Plan.

TASK 7: POLICIES, GUIDELINES, & STANDARDS

The Choice Team will gather all relevant policies, guidelines, and standards currently in place within the City of Key West, including those related to traffic management, pedestrian safety, speed regulations, and infrastructure design. This will involve compiling documents from city planning and transportation departments and meeting with city officials and traffic engineers to understand the practical application and challenges of these policies. The collected information will be assessed to determine how well the current policies support the City's Vision Zero goals. Key areas of focus will include speed management, signal phasing, pedestrian and cyclist infrastructure, enforcement practices, and the prioritization of safety improvements in high-risk areas. This analysis will help identify strengths, weaknesses, and opportunities for improvement.

Following the assessment, the Choice Team will develop recommendations for new or revised policies, guidelines, and standards to better support Vision Zero objectives. These recommendations will be based on best practices from other cities with successful Vision Zero initiatives and will prioritize addressing the needs of vulnerable road users and disadvantaged communities. The Choice Team will also create specific implementation strategies for each recommendation, outlining timelines, responsible departments, and required resources. Task Force member engagement will be a crucial part of refining these recommendations. The Choice Team will present the proposed changes to city staff, local policymakers, traffic enforcement officials, and community organizations to gather feedback. Workshops and focus groups will be organized to discuss the recommendations and ensure they are practical, achievable, and supported by the community.

The final phase involves documenting the analysis and recommendations in a technical memorandum. This document will outline the review process, key findings, and proposed changes, and serve as part of the completed Safety Action Plan.

TASK 8: PROJECTS AND STRATEGIES

The Choice Team's approach begins with analyzing crash data and applying Safe Systems design principles to identify potential projects and strategies. This involves reviewing findings from crash analysis to pinpoint high-risk areas, common crash types, and contributing factors. Using these insights, the Team will develop a list of geographic and systemic projects, such as road reconfigurations, speed management initiatives, enhanced pedestrian crossings, and improved bicycle infrastructure. Each project will be assessed for financial feasibility, with cost estimates prepared on a per-mile or per-unit basis, and any right-of-way acquisition requirements identified.

Next, the Choice Team will develop a prioritization methodology by establishing criteria such as projected safety impact, equity impact, feasibility, complexity, and community support. These criteria will be reviewed and refined in consultation with the City and input from key Task Force members to ensure alignment with Vision Zero objectives and community priorities. A scoring system or ranking framework will be created to objectively evaluate and rank the projects. The Team will then apply this methodology to prioritize the identified projects, using the scoring system to rank them from highest to lowest priority. This process may be iterative, incorporating feedback from stakeholders and new data insights to refine the prioritization.

For each high-priority project, the Team will develop implementation plans, including timelines and potential funding sources. These plans will outline the stages of planning, design, construction, and evaluation, as well as identify financial resources such as local budgets, state and federal grants, and public-private partnerships. Finally, the Team will document the entire process in a technical memorandum, detailing the methods used for project identification and prioritization, the results of the prioritization process, and recommendations for implementation. The memorandum will include visual aids such as maps, charts, and diagrams to support the findings and provide a clear and actionable plan for advancing the City's Vision Zero goals as part of the Safety Action Plan.

TASK 6: CRASH ANALYSIS

The Choice Team will gather crash data from the past five years (2019-2023), using sources like Signal Four Analytics and verifying this data with local law enforcement agencies. Signal Four Analytics is "an interactive, web-based system designed to support the crash mapping and analysis needs of law enforcement, traffic engineering, transportation planning agencies, and research institutions in the state of Florida". The data will include GIS, tabular, and crash reports, ensuring accuracy through cross-referencing and correction of errors for the most common crash statistics including roadway classification, crash type, lighting conditions, pavement conditions, time of day, day of the week and month. To create a comprehensive view, the analysis will incorporate additional road and demographic data, including traffic volume, speed, and information about disadvantaged communities. This holistic approach supports the inclusion of equity considerations in the crash analysis.

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implementation. The memorandum will include visual aids such as maps, charts, and diagrams to support the findings and provide a clear and actionable plan for advancing the City's Vision Zero goals as part of the Safety Action Plan.

TASK 9: EVALUATION AND REPORTING

This task will focus on developing a robust framework for evaluating and reporting the effectiveness of the Action Plan, particularly regarding safety and equity outcomes. The first step is to define clear evaluation objectives and identify key performance metrics aligned with Vision Zero goals, such as reductions in severe and fatal crashes and improvements in pedestrian and cyclist safety. A systematic data collection and analysis plan will be established, specifying data sources, collection frequency, and responsible parties. This plan will ensure that relevant data is consistently gathered and analyzed to monitor progress and identify emerging safety concerns.

To ensure transparency and effective communication, a structured reporting mechanism will be developed. This will include a reporting template that summarizes crash trends, policy and project implementation updates, and progress toward Vision Zero goals using visual aids like charts and graphs. Public transparency will be enhanced by making safety and equity outcome data publicly available through a Vision Zero dashboard on the Project webpage as discussed previously in Task 4. This dashboard will feature a dynamic map of severe and fatal crashes, trend summaries, and updates on project implementation. City staff, with support from the Choice Team, will be responsible for updating the dashboard annually to ensure the information remains current and relevant.

Finally, the Choice Team will document the evaluation and reporting framework in a technical memorandum, detailing the evaluation objectives, metrics, data collection methods, and reporting mechanisms. The memorandum will also include guidelines for maintaining and updating the Vision Zero dashboard. Following internal review and stakeholder feedback, the memorandum will be finalized to serve as a comprehensive guide for the City’s evaluation and reporting processes as part of the Safety Action Plan. Continuous improvement will be facilitated through annual reviews of the evaluation processes and regular feedback from stakeholders, allowing the City to adapt to changing safety priorities and emerging trends.

TASK 10: ACTION PLAN

This task is comprised of gathering and reviewing all previously produced technical memoranda, ensuring that each document is accurate, complete, and consistent with the overarching objectives of reducing serious injuries and fatal crashes. The Choice Team will structure the Action Plan into clearly defined sections, including an Executive Summary, Vision Zero Goal, Task Force contributions, the Equity Framework, Community Engagement, Crash Analysis, Policies, Guidelines, & Standards, Projects & Strategies, Evaluation & Reporting, and Documentation of Board Approvals/Adoptions. This organization will provide a logical flow, starting with the Vision Zero goals and moving through detailed analyses and implementation plans previously developed in Tasks 2-9 above.

Content development involves drafting each section of the Action Plan with concise and comprehensive summaries. The Executive Summary will provide an overview of the plan's objectives, strategies, and expected outcomes, while the Vision Zero Goal section will outline the City’s commitment to reducing fatalities and serious injuries. Documentation of the Task Force's role and the Equity Framework will highlight the importance of inclusive and equitable approaches in all aspects of the plan. The Community Engagement section will describe the methods used to gather input from stakeholders, and the Crash Analysis section will present findings on high-risk areas and common crash types. Recommendations for policy changes and prioritized projects will be detailed, supported by rationales linking back to analysis findings and community feedback. The Evaluation & Reporting section will outline how progress will be monitored and reported, ensuring ongoing transparency and accountability.

The final stages of the approach involve internal review, quality assurance, and stakeholder feedback to ensure the Action Plan document is accurate, comprehensive, and effectively communicates the City's strategy. Necessary revisions will be made based on feedback to improve the document's quality. Once finalized, the Action Plan will be published on the City's website for public access and used in presentations to City Council and community events. The Choice Team will assist the City in preparing a presentation of the Action Plan that includes information on the plan's background, development, and next steps, to the Key West Sustainability Advisory Board and the City Commission as needed, per the scope.

TASK 11: IMPLEMENTATION GRANT ASSISTANCE

The Choice Team will support the City with comprehensive grant assistance to secure funding for high-priority safety improvement projects identified in the Safety Action Plan. The first step involves reviewing the prioritized projects and strategies identified in previous tasks, selecting those with the highest potential to improve safety. This selection process will consider factors such as projected safety impact, feasibility, and alignment with Vision Zero objectives. Projects that can be combined into a cohesive package to address both geographic and systemic safety issues will also be prioritized. For each selected project, detailed descriptions will be prepared, including objectives, expected benefits, maps showing improvement areas, cost estimates, and preliminary project schedules.

Subsequently, the Choice Team will provide comprehensive support for developing the grant application. This includes conducting a Benefit/Cost Analysis (BCA) to quantify the economic benefits of the proposed projects relative to their costs, providing a strong justification for funding. Detailed cost estimates will be developed, breaking down expenses into specific categories such as design, construction, construction oversight, and miscellaneous (education, labor, collateral material, etc.). A detailed project schedule will outline key milestones and phases, ensuring a clear timeline for implementation. Additionally, performance measure narratives will be drafted to articulate the expected impacts of the projects, focusing on equity, climate, labor, and infrastructure resilience. These narratives will demonstrate how the projects will benefit disadvantaged communities, contribute to climate goals, create job opportunities, and enhance infrastructure security.

The final steps involve reviewing and finalizing the grant application materials. An internal review will be conducted to ensure accuracy, clarity, and alignment with Vision Zero goals, and feedback will be sought from City staff, Task Force members, and other stakeholders. Necessary revisions will be made based on this feedback to enhance the quality and competitiveness of the grant application. Once finalized, the complete grant application package, including all required documents and supporting materials, will be submitted along with an Executive Summary to the appropriate funding bodies such as the Safe Streets and Roads for All Implementation Grant, or other.

CITY OF KEY WEST

PROPOSED PROJECT SCHEDULE & BUDGET

BUDGET

To effectively distribute an estimated $400,000 budget (actual estimated fee is $399,989.47) across 11 tasks in a safety action plan for Key West, allocations were made based on each task's importance, complexity, and resource needs. Project Administration (Task 1) and the Vision Zero Goal (Task 2) receive $42,108.96 (10.5%) and $29,405.22 (7.4%), respectively, to support project management, stakeholder engagement, intensive data research, and goal development. Establishing a Task Force (Task 3) is allocated $37,132.54 (9.3%) for meetings, coordination, and identifying relevant staff, while $40,265.30 (10.1%) is designated for the Equity Framework (Task 4) to ensure inclusive and equitable safety measures.

Community Engagement (Task 5), which is crucial for public outreach and communication, receives $59,232.13 (14.8%). Crash analysis (Task 6), a data driven and analysis effort, is allocated $26,376.48 (6.6%). Policies, Guidelines, and Standards (Task 7), which involves reviewing, recommending, and/or revising efforts are budgeted at $38,346.41 (9.6%).

Additional funds are allocated for Projects & Strategies (Task 8) with $56,937.00 (14.2%), Evaluation & Reporting (Task 9) with $34,110.55 (8.5%) and compiling the final Action Plan (Task 10) document with $23,602.66 (5.9%). Finally, $12,472.22 (3.1%) is set aside for Implementation Grant Assistance (Task 11) to help secure funding for implementing prioritized projects.

This balanced budget approach ensures each task within the Safety Action Plan is adequately resourced, supporting the overall goal of reducing serious injuries and fatalities in Key West.

The table on the following page summarizes the proposed hours and budget for this project.

SCHEDULE

To complete the Safety Action Plan's 11 tasks in 172 days from October 10, 2024, through March 31, 2025, we have developed a carefully structured schedule that allows for task overlap to optimize efficiency. In the first month, Project Administration (Task 1), Vision Zero Goal (Task 2), Task Force (Task 3), and Equity Framework (Task 4) will begin. Task 1 will run for the entire duration of this effort. Task 2, Task 3, and Task 4 are expected to be completed within 1 month, 1.5 months, and 2 months, respectively.

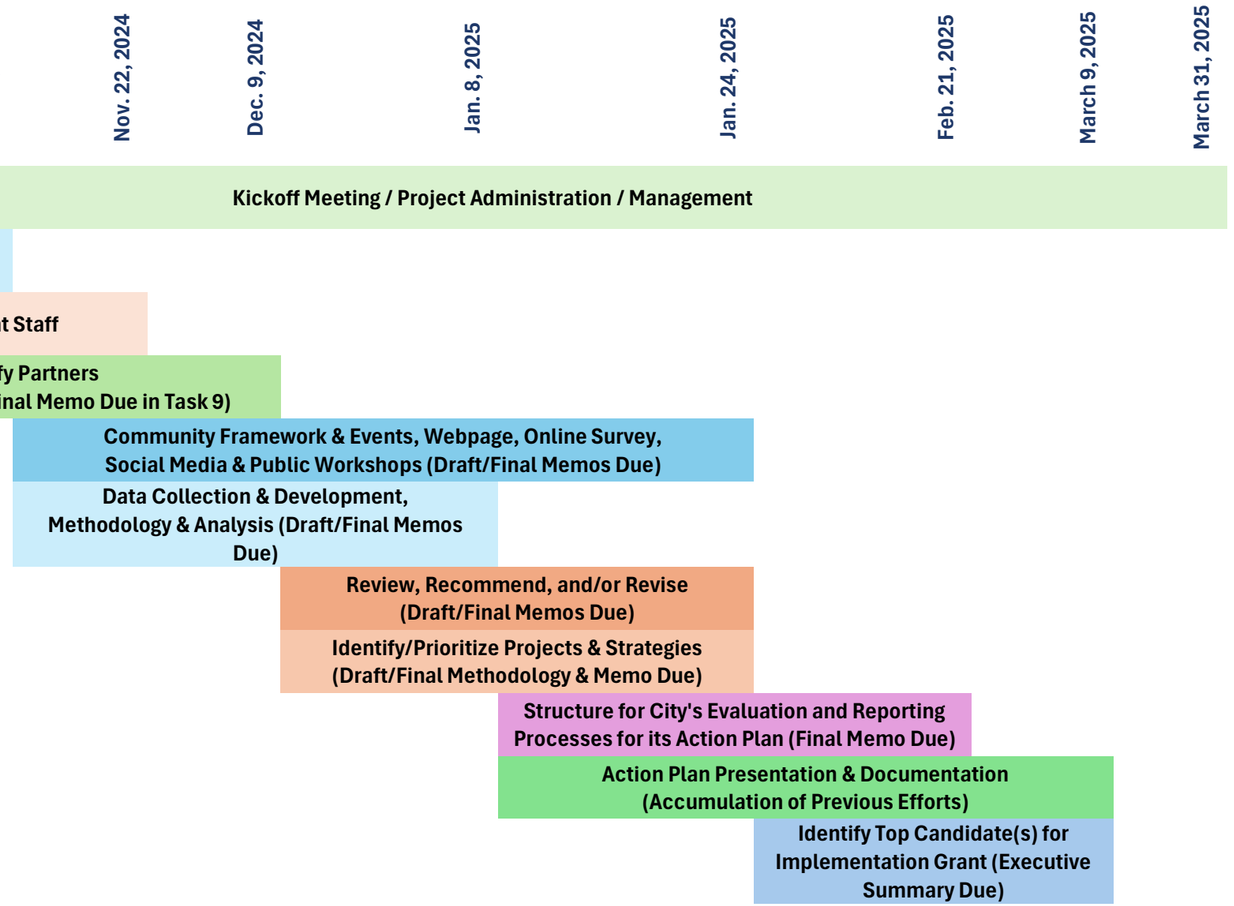
In the second month, Community Engagement (Task 5) and Crash analysis (Task 6) begin and are estimated to be completed in 2 and 2.5 months, respectively. Policies, Guidelines, and Standards (Task 7) and Projects & Strategies (Task 8) are targeted to begin in the third month and be completed within 1.5 months.

In the third month, Evaluation & Reporting (Task 9) begins for a duration of 1.5 months. Action Plan (Task 10) begins in month 4 and runs for a duration of 2 months. The last effort, Implementation Grant Assistance (Task 11), begins at the end of Task 8 and is expected to be completed in 1.5 months on March 9, 2025, this is approximately 2 weeks before the actual deadline of March 31, 2025.

The figure on the following page summarizes the proposed schedule of tasks 1-11 for this project.

TASK DESCRIPTION	HOURS & BUDGET	PROJECT MANAGER	SENIOR ENGINEER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER/ ENGINEER	ENGINEERING INTERN	SENIOR DESIGNER	DESIGNER	ENGINEERING TECHNICIAN	CADD TECHNICIAN	TOTAL	%HOURS	%BUDGET
TASK 1-PROJECT ADMINISTRATION	Hours	70	0	60	40	16	0	0	20	0	206	9.2%	10.5%
	Budget	$16,119.60	$0.00	$13,816.80	$7,854.00	$2,590.56	$0.00	$0.00	$1,728.00	$0.00	$42,108.96		
TASK 2-VISION ZERO GOAL	Hours	35	30	0	24	42	0	0	24	0	155	6.9%	7.4%
	Budget	$8,059.80	$7,759.20	$0.00	$4,712.40	$6,800.22	$0.00	$0.00	$2,073.60	$0.00	$29,405.22		
TASK 3-TASK FORCE	Hours	58	25	32	26	24	0	0	11	0	176	7.8%	9.3%
	Budget	$13,356.24	$6,466.00	$7,368.96	$5,105.10	$3,885.84	$0.00	$0.00	$950.40	$0.00	$37,132.54		
TASK 4-EQUITY FRAMEWORK	Hours	48	35	30	18	36	0	0	45	0	212	9.4%	10.1%
	Budget	$11,053.44	$9,052.40	$6,908.40	$3,534.30	$5,828.76	$0.00	$0.00	$3,888.00	$0.00	$40,265.30		
TASK 5-COMMUNITY ENGAGEMENT	Hours	50	32	40	52	0	60	55	45	0	334	14.9%	14.8%
	Budget	$11,514.00	$8,276.48	$9,211.20	$10,210.20	$0.00	$9,084.00	$7,048.25	$3,888.00	$0.00	$59,232.13		
TASK 6-CRASH ANALYSIS	Hours	16	0	0	32	80	0	0	40	0	168	7.5%	6.6%
	Budget	$3,684.48	$0.00	$0.00	$6,283.20	$12,952.80	$0.00	$0.00	$3,456.00	$0.00	$26,376.48		
TASK 7-POLICIES, GUIDELINES & STANDARDS	Hours	32	35	0	52	35	0	0	70	0	224	10.0%	9.6%
	Budget	$7,368.96	$9,052.40	$0.00	$10,210.20	$5,666.85	$0.00	$0.00	$6,048.00	$0.00	$38,346.41		
TASK 8-PROJECTS & STRATEGIES	Hours	40	35	40	60	60	0	0	65	40	340	15.1%	14.2%
	Budget	$9,211.20	$9,052.40	$8,059.80	$11,781.00	$9,714.60	$0.00	$0.00	$5,616.00	$3,502.00	$56,937.00		
TASK 9-EVALUATION & REPORTING	Hours	36	0	24	20	50	0	0	40	55	225	10.0%	8.5%
	Budget	$8,290.08	$0.00	$5,526.72	$3,927.00	$8,095.50	$0.00	$0.00	$3,456.00	$4,815.25	$34,110.55		
TASK 10-ACTION PLAN	Hours	24	18	0	30	12	0	20	35	0	139	6.2%	5.9%
	Budget	$5,526.72	$4,655.52	$0.00	$5,890.50	$1,942.92	$0.00	$2,563.00	$3,024.00	$0.00	$23,602.66		
TASK 11-IMPLEMENTATION GRANT ASSISTANCE	Hours	16	8	4	16	10	0	0	12	0	66	2.9%	3.1%
	Budget	$3,684.48	$2,069.12	$921.12	$3,141.60	$1,619.10	$0.00	$0.00	$1,036.80	$0.00	$12,472.22		
TOTAL	Hours	425	218	230	370	365	60	75	407	95	2,245	100.0%	100.0%
	Budget	$97,869.00	$56,383.52	$51,813.00	$72,649.50	$59,097.15	$9,084.00	$9,611.25	$35,164.80	$8,317.25	$399,989.47		
	%	24.5%	14.1%	13.0%	18.2%	14.8%	2.3%	2.4%	8.8%	2.1%	100.0%		

TASK NO & DESCRIPTION	Start Date	End Date	Days of Duration	Task Starts "X" Days after Task 1
Task 1 - Project Administration	10/10/24	3/31/25	172	0
Task 2 - Vision Zero Goal	10/10/24	11/9/24	30	0
Task 3 - Task Force	10/10/24	11/22/24	43	0
Task 4 - Equity Framework	10/10/24	12/9/24	60	0
Task 5 - Community Engagement	11/9/24	1/24/25	76	30
Task 6 - Crash Analysis	11/9/24	1/8/25	60	30
Task 7 - Policies, Guidelines & Standards	12/9/24	1/24/25	46	60
Task 8 - Projects & Strategies	12/9/24	1/24/25	46	60
Task 9 - Evaluation & Reporting	1/8/25	2/21/25	44	90
Task 10 - Action Plan	1/8/25	3/9/25	60	90
Task 11 - Implementation Grant Assistance	1/24/25	3/9/25	44	106



SECTION

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KNOWLEDGE OF **KEY WEST**

CHOICE ENGINEERING CONSULTANTS

Choice has an intimate understanding of Key West's unique characteristics and challenges, developed through extensive work on traffic and safety initiatives for both the City and FDOT. Our familiarity with diverse neighborhoods—such as Key West Entrance (including part of Stock Island), New Town/Business District, and Historic Old Town (Bahama Village, Truman Annex, etc.)—enables us to understand the distinct dynamics between vehicular (passenger vehicles, heavy trucks, Conch Trains, hotel shuttles, etc.) and micro-users (pedestrians, bikes, scooters, etc.), as well as the varying demands of tourists versus residents.

Key West presents significant challenges to implementing a pedestrian and bicycle safety action plan. **Narrow roadways, parking needs,** and **limited right-of-way** make it difficult to add bike lanes or widen sidewalks, especially in densely developed areas. **Tourist traffic** fluctuates heavily throughout the year, complicating the implementation of consistent safety measures. **Flooding and sea-level rise** further threaten infrastructure, making resilient design a necessity. High-speed traffic on major roads increases safety risks for pedestrians and cyclists, while changes to parking or traffic patterns often face resistance from local businesses and residents.

Additionally, the City's **funding limitations** necessitate careful prioritization of projects to address the most critical safety needs. Ensuring continuous networks for pedestrians and cyclists is challenging due to **connectivity gaps** across neighborhoods with varying land use and development patterns. Despite these obstacles, Choice's experience allows us to deliver adaptable, data-driven solutions through strategic planning and strong community engagement.

Our work since 2012 has given us invaluable insight into the City's traffic patterns associated with the school year, summer (no school), and "Snow Bird" season, along with major events like Fantasy Fest, which can impact crash data. We understand how pre- and post-COVID dynamics have reshaped traffic and can leverage this experience in crafting informed recommendations. As the Traffic Engineering Consultant for the City since 2018, Choice has developed citywide master plans, conducted signal retimings, and was the EOR and fundamental to the signal inspections for the recent Pedestrian Safety Improvement project along Flagler Avenue at Bertha St and Kennedy Dr, where pedestrian signalization and audible pedestrian signals (APS) were added to the intersection(s) to enhance pedestrian mobility and safety. Choice is currently supporting with the evaluation of existing school zones and understands the direct implications with schools in the various neighborhoods. Choice can leverage lessons learned and build from the foundation of the multiple assessments at the signalized intersections.

Given our work within Key West, we also understand that not all roadways are maintained or owned by the City. The three maintaining agencies include: City, Monroe County, and FDOT. Each agency has multiple departments (i.e., permits, utilities, engineering, planning, etc.), and responsibilities vary depending on the roadway. All three agencies may be involved in the development of safety recommendations. In addition, the major utilities are Florida Keys Aqueduct Authority (FKAA), which supplies water to all the keys, and Florida Keys Energy Services, the electrical service provider, and the City's Traffic Signal Maintenance Contractor. The City maintains all traffic signals not along the FDOT state highway system (i.e., US-1 and SR A1A). The signals along those 2 corridors are maintained by the FDOT District 6 TSM&O Office. Choice has either retimed or performed inventories of all traffic signals for both FDOT and the City. There are a variety of utility owners (AT&T, etc.), but most infrastructure is collocated on the Keys Energy utility poles. Most underground conduits or infrastructure that could impact feasibility of safety improvements are City utility (sanitary, water pumps, etc) and FKAA infrastructure.

We also fully understand that transit, trolleys, ride-sharing, hotel shuttles, and the famous Conch Train are the other components of the City transportation system. The City operates the only public transit system south of Marathon. There are dedicated routes as well as on-demand services/routes. In addition, emergency services of Police and Fire Department vehicles will also need to be factored in when developing recommendations. FDOT has recently completed the connected vehicles pilot project called Keys COAST, which deployed transit signal priority and emergency signal preemption via connected vehicle technology between vehicles and infrastructure (V2I). This technology strives to improve safety and maximize efficiency. A portion of the fleet from Transit and Police participated in integrating the vehicles with On Board Units (OBU). Connected vehicles will be factored as part of the evaluation, along with other ITS and TSM&O applications that serve as safety countermeasures. Choice was the ITS Engineer of Record and principal designer for the Key COAST project, and our staff was responsible for preemption and priority integration. We fully understand connected vehicle technology from theoretical to actual field perspectives and the benefits it can bring to safety improvements within the City.

It is our belief that our deep understanding of the City of Key West and its challenges, allows us to understand the stakeholders' varying needs. We fully realize that the stakeholders will include residents, commercial businesses, restaurants, and hotels, to the local police, fire departments, schools (over 10), state parks, Navy, among the agencies and utility owners already mentioned. The City is a melting pot of cultures, diversity, traffic and safety challenges, and governmental agencies that we will successfully navigate during the development of action plan.

SECTION

H

SWORN STATEMENTS AND AFFIDAVITS

ANTI-KICKBACK AFFIDAVIT

STATE OF Florida)

: SS

COUNTY OF Miami-Dade)

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: _____

Sworn to (or affirmed) and subscribed before me by means of [✓] physical presence or [___] online notarization, this 29 day of August, 2024, by Carlos Francis.

_____
(Signature of Notary Public- State of Florida)

(NOTARY SEAL)

ELIVETTE P DIAZ
Notary Public - State of Florida
Commission # HH 304497
My Comm. Expires Oct 18, 2026
Bonded through National Notary Assn.

Elivette Diaz
(Name of Notary Typed, Printed, or Stamped)

Personally Known X OR Produced Identification _____

Type of Identification Produced_____

NON-COLLUSION AFFIDAVIT

STATE OF Florida)

: SS

COUNTY OF Miami-Dade)

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: _____

Sworn to (or affirmed) and subscribed before me by means of [✓] physical presence or [___] online notarization, this 29 day of August, 2024, by Carlos Francis.

_____
(Signature of Notary Public- State of Florida)

(NOTARY SEAL)

ELIVETTE P DIAZ
Notary Public - State of Florida
Commission # HH 304497
My Comm. Expires Oct 18, 2026
Bonded through National Notary Assn.

Elivette P Diaz
(Name of Notary Typed, Printed, or Stamped)

Personally Known X OR Produced Identification _____

Type of Identification Produced_____

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 OFFICER AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted with Bid or Proposal for RFP# 24-008

   Key West City-Wide Comprehensive Safety Action Plan

2. This sworn statement is submitted by: Choice Engineering Consultants, Inc
   (Name of entity submitting sworn statement)

   whose business address is: 12855 SW 132nd St, Suite 200, Miami, FL 33186

   and (if applicable) its Federal Employer Identification Number (FEIN) is: 47-3395906

   (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement)

3. My name is Carlos Francis
   (Please print name of individual signing)

   and my relationship to the entity named above is: Principal/President

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 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 the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with 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 (indicate which statement applies).

   __X__ Neither the entity submitting this sworn statement, or any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has 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 its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the 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.

   _____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the

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. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list (attach a copy of the final order).

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH ONE (1) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES, FOR THE CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

_____
(Signature)

8/29/2024
(Date)

STATE OF Florida

COUNTY OF Miami-Dade

Sworn to (or affirmed) and subscribed before me by means of [✓] physical presence or [___] online notarization, this 29 day of August, 20 24, by Carlos Francis.

_____
(Signature of Notary Public- State of Florida)

(NOTARY SEAL)

Elivette Diaz
(Name of Notary Typed, Printed, or Stamped)

ELIVETTE P DIAZ
Notary Public - State of Florida
Commission # HH 304497
My Comm. Expires Oct 18, 2026
Bonded through National Notary Assn.

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 Choice Engineering Consultants provides benefits to domestic partners of its employees on the same basis as ~~it~~ provides benefits to employees' spouses, per City of Key West Code of Ordinances Sec. 2-799.

By: _____

Sworn to (or affirmed) and subscribed before me by means of [✓] physical presence or [___] online notarization, this 29 day of August, 2024, by Carlos Francis.

_____
(Signature of Notary Public- State of Florida)

(NOTARY SEAL)

ELIVETTE P DIAZ
Notary Public - State of Florida
Commission # HH 304497
My Comm. Expires Oct 18, 2026
Bonded through National Notary Assn.

Elivette P Diaz
(Name of Notary Typed, Printed, or Stamped)

Personally Known X OR Produced Identification _____

Type of Identification Produced_____

CONE OF SILENCE AFFIDAVIT

Pursuant to City of Key West Code of Ordinances Section 2-773 (attached below)

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 Choice Engineering Consultants have read and understand the limitations and procedures regarding communications concerning City of Key West Code of Ordinances Sec. 2-773 Cone of Silence (attached).

By: _____

Sworn to (or affirmed) and subscribed before me by means of [✓] physical presence or [___] online notarization, this 29 day of August, 2024, by Carlos Francis.

_____
(Signature of Notary Public- State of Florida)

(NOTARY SEAL)

Elivette Diaz
(Name of Notary Typed, Printed, or Stamped)

ELIVETTE P DIAZ
Notary Public - State of Florida
Commission # HH 304497
My Comm. Expires Oct 18, 2026
Bonded through National Notary Assn.

Personally Known X OR Produced Identification _____

Type of Identification Produced_____

VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES LISTS

Respondent Vendor Name: Choice Engineering Consultants

Vendor FEIN: 47-3395906

Vendor's Authorized Representative Name and Title: Carlos Francis | Principal/President

Address: 12855 SW 132nd St, Suite 200

City: Miami State: FL Zip: 33186

Phone Number: (786) 250-5526

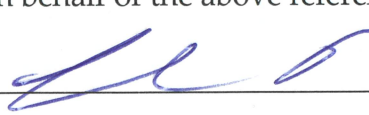
Email Address: cfrancis@ChoiceEng.com

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: Carlos Francis (*Print Name*) Principal / President (*Print Title*),

who is authorized to sign on behalf of the above referenced company.

Authorized Signature:  .

CITY OF KEY WEST INDEMNIFICATION FORM

PROPOSER 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 PROPOSER, 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 PROPOSER 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. PROPOSER 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 PROPOSER. Ten dollars of the consideration paid by the City is acknowledged by PROPOSER 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, PROPOSER 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 PROPOSER 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 PROPOSER, or persons employed or utilized by PROPOSER.

The PROPOSER'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 PROPOSER's limit of or lack of sufficient insurance protection.

[REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK]

COMPANY SEAL

PROPOSER: Choice Engineering Consultants, Inc

Address 12855 SW 132nd St, Suite 200

Miami, FL 33186

Signature

Carlos Francis
Print Name

8/29/2024
Date

Principal | President
Title

NOTARY FOR THE PROPOSER

STATE OF Florida

COUNTY OF Miami-Dade

The foregoing instrument was acknowledged before me by means [✓] physical presence or [___] online notarization, this 29 day of August, 2024, by Carlos Francis.

(Signature of Notary Public- State of Florida)

(NOTARY SEAL)

Elivette Diaz
(Name of Notary Typed, Printed, or Stamped)

ELIVETTE P DIAZ
Notary Public - State of Florida
Commission # HH 304497
My Comm. Expires Oct 18, 2026
Bonded through National Notary Assn.

Personally Known X OR Produced Identification _____

Type of Identification Produced_____

AFFIDAVIT ATTESTING TO NONCOERCIVE CONDUCT FOR LABOR OR SERVICES

Entity/Vendor Name: Choice Engineering Consultants, Inc
Vendor FEIN: 47-3395906
Vendor's Authorized Representative: Carlos Francis | Principal/President
(Name and Title)
Address: 12855 SW 132nd St, Suite 200
City: Miami State: FL Zip: 33186
Phone Number: (786) 250-5526
Email Address: cfrancis@ChoiceEng.com

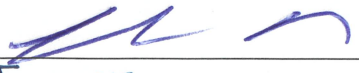
As a nongovernmental entity executing, renewing, or extending a contract with a government entity, Vendor is required to provide an affidavit under penalty of perjury attesting that Vendor does not use coercion for labor or services in accordance with Section 787.06, Florida Statutes.

As defined in Section 787.06(2)(a), coercion means:

1. Using or threating to use physical force against any person;
2. Restraining, isolating, or confining or threating to restrain, isolate, or confine any person without lawful authority and against her or his will;
3. Using lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied toward the liquidation of the debt, the length and nature of the labor or service are not respectively limited and defined;
4. Destroying, concealing, removing, confiscating, withholding, or possessing any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification document, of any person;
5. Causing or threating to cause financial harm to any person;
6. Enticing or luring any person by fraud or deceit; or
7. Providing a controlled substance as outlined in Schedule I or Schedule II of Section 893.03 to any person for the purpose of exploitation of that person.

As a person authorized to sign on behalf of Vendor, I certify under penalties of perjury that Vendor does not use coercion for labor or services in accordance with Section 787.06. Additionally, Vendor has reviewed Section 787.06, Florida Statutes, and agrees to abide by same.

Certified By: Carlos Francis, who is authorized to sign on behalf of the above referenced company.

Authorized Signature: 
Print Name: Carlos Francis
Title: Principal / President

CERTIFICATION REGARDING LOBBYING

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents of all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

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

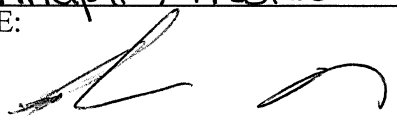
Organization: Choice Engineering Consultants, Inc

Street address: 12855 SW 132nd St, Suite 200

City, State, Zip: Miami, FL 33186

Carlos Francis
CERTIFIED BY: (type or print)

Principal / President
TITLE:


(signature)

8/29/2024
(date)

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 08/30/2024

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

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

PRODUCER	CONTACT NAME: Sarlin Macpherson
Macpherson Insurance Agency 55 Merrick Way, Suite 408 Coral Gables FL 33134	PHONE (A/C, No, Ext): 305.669.5288 FAX (A/C, No): 305.669.5219 E-MAIL ADDRESS: mail@macphersonagency.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Kinsale Insurance Company	
INSURER B : Travelers Indemnity Company	
INSURER C : QBE Insurance Corp.	
INSURER D : Security National Insurance Company	
INSURER E :	
INSURER F :	

INSURED

Choice Engineering Consultants, Inc.
12855 SW 132nd Street
Suite 200
Miami FL 33186

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	**COMMERCIAL GENERAL LIABILITY** ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PRO-JECT ☐ LOC ☐ OTHER:	X	X	0100039290-8	5/31/2024	5/31/2025	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 100,000 $ $ $ 2,000,000 $
D	**AUTOMOBILE LIABILITY** ☐ ANY AUTO ☐ OWNED AUTOS ONLY ☒ SCHEDULED AUTOS ☒ HIRED AUTOS ONLY ☒ NON-OWNED AUTOS ONLY	X	X	M00-0021866-02	8/24/2024	8/24/2025	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
	☐ **UMBRELLA LIAB** ☐ OCCUR ☐ **EXCESS LIAB** ☐ CLAIMS-MADE ☐ DED ☐ RETENTION $						EACH OCCURRENCE AGGREGATE	$ $
B	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A	X	UB-3S959280-24-42-V	5/31/2024	5/31/2025	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
C	Professional Liability			ANE48444-03	5/06/2024	5/06/2025	Each Claim Aggregate Limit	$2,000,000 $2,000,000

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

The Certificate Holder and Florida Department of Transportation are listed as Additional Insured with respect to the General Liability and Automobile Liability policies. Coverage is primary and non-contributory with respect to the General Liability policy.
Waiver of Subrogation is included in the General Liability, Automobile Liability, and Workers Compensation policies. Separation of Insureds applies.
Description: RFP No. 24-008
Key West City-wide Comprehensive Safety Action Plan

CERTIFICATE HOLDER

City of Key West
1300 White Street
Key West, FL 33040

CANCELLATION

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

AUTHORIZED REPRESENTATIVE

City of Key West
1300 White Street
Key West, FL
33040

ADDENDUM NO. 1
Key West City-wide Comprehensive Safety Action Plan
RFP # 24-008

This addendum is issued as supplemental information to the bid package for clarification of certain matters of both a general and a technical nature.

QUESTIONS:

1. Due to prolonged shipping delays throughout North America, we kindly request the City accepts electronic submittals via email or secure file transfer for responses to the proposal. At a minimum, we would like to request the acceptance of electronic submittals with corresponding tracking information to be deemed responsive in case the hard copies are delivered after the RFP closing period.

   Response – **Electronic submittals will not be accepted. The City of Key West is taking steps to allow electronic submittals in the future, but it will not be an option for this RFP.**

2. On PDF page 31 of the RFP, it does not mention that the Approach and Methodology are included in the page limit. Do these two sections count towards the 20-page limit?

   Response – **In Section 3.4.1 Response Content: Part F. Approach and Methodology, Part G. Knowledge of Key West, and Part H. Sworn Statements and Affidavits – the responses will not count toward the page limit.**

3. Can we include a cover letter with our submittal? Will this count towards the page limit?

   Response – **A cover letter can be included and will count toward the page limit.**

4. Does the City have an anticipated or desired end date for this contract?

   Response – **The targeted Safety Action Plan completion date is 3/31/2025. The Safe Streets and Roads for All grant Period of Performance end date is 5/31/2026.**

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

Signature

Choice Engineering Consultants
Name of Business

City of Key West
1300 White Street
Key West, FL
33040

ADDENDUM NO. 2
Key West City-wide Comprehensive
Safety Action Plan
RFP # 24-008

This addendum is issued as supplemental information to the bid package for clarification of certain matters of both a general and a technical nature.

QUESTIONS:

1. Task 9 Evaluation & Reporting mentions that a memo should be developed to specify that safety and equity outcome data be made publicly available (online) at specified time intervals (e.g., annually). As described in Task 4 ('Community Engagement'), the Project webpage will ultimately serve as a permanent Vison Zero dashboard - including a dynamic map of severe and fatal crashes, crash trend summaries, policy/project/strategy implementation summaries, and an evaluation of progress made toward the City's Vision Zero goal - to be updated annually by City staff. Is it the expectation that the dashboard is developed by the contractor?

   Response – **The contractor will need to produce the structure for reporting. It is the intent of City staff to provide updates to a "Vision Zero" page that resides at the https://cityofkeywest-fl.gov/ domain using existing City resources.**

2. The RFQ requests "budget and timeline". Is the City asking for the proposed total budget or do you require a detailed breakdown in a price proposal? If so, can you provide the template or guidance on the level of detail expected.

   Response – **The City would prefer a detailed breakdown by task, but there is not a template available.**

3. Could the City of Key West clarify if any of the required forms need to be filled-out by the subconsultants, and if so, identify which of these forms are needed from them?

   Response – **Subconsultants do not need to complete any forms.**

4. The Q&A release is scheduled to be published on August 28th. Since the City would like to receive Hard Copies of the proposal via mail, we would need to print and ship by August 30th at the latest to ensure The City receives our proposal on time, given that a holiday, Labor Day is on September 2nd. This would leave us with only 2 working days to work any changes that may result from the Q&A into the proposal. Would the City consider extending the deadline of proposal submission, so proposers have sufficient time to address changes?

   Response – **We do not anticipate extending the proposal deadline at this time.**

5. Are the cover pages, table of contents and dividers included in 20-single side page limitation?

   Response – **Although cover pages are included in the page limit, a table of contents and dividers may be excluded from the limit.**

6. If the President and CEO of the company signs the proposal, do we still need to provide evidence of his authority to sign?

   Response – **As the signed proposal submission asserts authority, no additional evidence of authority is necessary.**

All Bidders shall acknowledge receipt and acceptance of this **Addendum No. 2** by submitting the addendum with their proposal. Proposals submitted without acknowledgement or without this Addendum may be considered non-responsive.

Signature

Choice Engineering Consultants
Name of Business

City of Key West
1300 White Street
Key West, FL
33040

ADDENDUM NO. 3
Key West City-wide Comprehensive Safety Action Plan
RFP # 24-008

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 Proposals (RFP) package is hereby amended in accordance with the following items:

AMENDMENT TO EVALUATION CATEGORY 5: COST PROPOSAL
The point value of Category 5: Cost Proposal shall be 35, for a Total Points Possible of 130.

ADDITION OF LOCATION AND ZOOM LINK FOR EVALUATION COMMITTEE MEETING
Evaluation Committee for RFQ #24-008 Key West City-wide Comprehensive Safety Action Plan will meet to rank proposals September 11, 2024 at 2:00PM at City Hall, 1300 White Street, Key West, FL 1st Floor, City Commission Conference Room.

Attendance via Zoom can be accessed through the following link:
https://cityofkeywest-fl-gov.zoom.us/j/89150292322?pwd=klYpFriLHZ8WL7nH0OgAMU3A4474X8.1
Meeting ID: 891 5029 2322 Passcode: 240483
Dial by your location+1 305 224 1968 US

QUESTIONS:

1. Concerning 3.2.11.1: confirm the interpretation of this to be the creation of an RFP type of summary seeking services from identified, qualified candidates to implement the work outlined for the project.

   Response – **For Task 11, the consultant shall prioritize projects and strategies (the "top candidate(s)") that would be suitable for grant assistance – such as those which may be appropriate to submit for a Safe Streets and Roads for All Implementation Grant (or other implementation grant). Rather than an RFP, the consultant shall provide an Executive Summary that the City will ultimately use to seek additional funding.**

2. Concerning the 3.2.11.2: confirm the deliverable here to be a summary of the expectations for the candidates who are eligible to implement the project.

   Response - **2.11.2 identifies specific deliverables that will be helpful to justify implementation and may be required to apply for a subsequent grant.**

3. Is the "timeline" requested in the proposal the schedule to complete the development of the action plan or its implementation?

Response – **The "timeline" in the Evaluation category refers to the schedule to complete the development of the action plan, not future project implementation.**

4. The RFP Content and Evaluation criteria asks for a Proposed Budget and Timeline. To be in compliance with the Federal Brooks Acts, is the intent of the City's request for a budget, actually a request for proposed staff hours?

   Response – **Yes, upon further review, the budget should be a fixed-fee price and submissions should factor in all costs including staff labor rates and hours. Note that this expands upon Addendum No. 2: Question 2.**

All Bidders shall acknowledge receipt and acceptance of this **Addendum No. 3** by submitting the addendum with their proposal. Proposals submitted without acknowledgement or without this Addendum may be considered non-responsive.

Signature

Choice Engineering Consultants
Name of Business

RESUMES

EUGENIO S. LOPEZ, MSCE, PE, PTOE

Project Manager | Senior Traffic Engineer

YRS OF EXP.: 22
YRS POST REGISTRATION : 16

Choice Engineering Consultants

CERTIFICATIONS:
Prof. Registration: PE No. 68213, 2008
Prof Traffic Operations Engineer No. 5462, 2023

EDUCATION:
BS in Civil Engineering, FIU, 2002
MS in Transportation Eng, FIU, 2004

EXPERIENCE

CHOICE ENGINEERING CONSULTANTS JANUARY 2016 TO PRESENT

MALLORY SQUARE MASTER PLAN PARKING STUDY
Monroe: 8/2022-Present
Client: Marin Braco (607) 206-6863

Project Engineer responsible for performing the parking study and related efforts for the Mallory Square Master Plan which includes redeveloping the Mallory Square located in Key West, FL. The scope of work includes: quantitative and qualitative evaluation of the study area's existing parking inventory during typical and special event periods, parking circulation plan, identification of vehicular and pedestrian traffic patterns, field reviews, and improvement development for the adjacent roadway networks.

MISC TRANSPORTATION & TRAFFIC ENGINEERING SUPPORT SERVICES
Contract ID: 20-21-005/1
City of Miami: 7/2022-Present
Client PM: Nelson Mora, PE (305) 908-3934

Project Engineer responsible for performing neighborhood traffic calming studies to assess the magnitude of cut-through and speeding traffic in the Coconut Grove and Little Bahamas neighborhoods in Miami, Florida. The scope of work includes: stakeholder meetings, collection of 24-hour vehicle counts and speed data (61 locations), traffic data analysis, development of conceptual neighborhood traffic calming scenarios with conceptual graphics, coordination with the Miami-Dade County Department of Transportation and Public Works, coordination with the District Commissioner Office, and coordination of stakeholder meetings.

PEDESTRIAN AND BICYCLE SAFETY PROGRAM CONSULTANT
FM.: 415239-4-32-01 & 415239-7-32-01
Districtwide: 9/2019-Present
Client PM: Isis Sotolongo (305) 470-5187

Project Manager supporting FDOT's Target Zero by performing engineering studies for pedestrian/bicycle improvements, such as midblock crossing evaluations and conceptual designs. Studies include existing conditions, traffic data collection, field reviews, speed data collection, pedestrian counts, crash analysis, operational analysis to determine practical and cost-effective engineering solutions that are feasible and constructible.

TRAFFIC ENGINEERING AND PLANNING STUDIES
EDP-PSA-2017 R
Miami-Dade: 9/2019 - 6/2021
Client PM: Yamilet Senespleda (305) 375-2746

Project Manager for performing a traffic study to measure the operational benefits or impact of opening the NW 154 Street bridge over I-75. Study area is bounded by SR 860/Miami Gardens Drive/NW 186 Street to the north, NW 138 Street and I-75/SR 924 to the south, SR 826/Palmetto Expressway and NW 77 Avenue to the east, and the Florida's Turnpike to the west. Scope of work includes: collection of 72-hr vehicle counts to determine peak hour of analyses (29 locations); 4-hr Turning Movement Counts (18 locations), traffic percent growth evaluation, origin-destination data using Streetlight, safety & operational field review assessments, existing and future operational analyses, planning level roadway segment analysis, future (year 2045) roadway link traffic volume development using SERPM, future year turning movement volume development, and mitigation strategies.

GENERAL TRAFFIC ENGINEERING SERVICES
City of Key West: 5/2018-Present
Client PM: Ian McDowell, PE (305) 809-3967

Project Engineer responsible to provide support for traffic studies and general traffic engineering services to the City. Services include signal retiming along with additional traffic engineering professional services such as preparing traffic operations and safety studies to address requests by the community related to signal warrants, all-way stop warrants, pedestrian safety concerns, parking zones, bicycle lanes, etc. Other services have included transportation design for roadway improvements.

TRAFFIC OPS / SAFETY STUDIES (FDOT D6)
FM No.: 250662-4-32-01 & 250662-5-32-01
Districtwide: 7/2016-Present
Client PM: Yenia Morales (305) 470-5323

Project Manager supporting FDOT's Target Zero by providing traffic engineering services to perform safety studies (intersections and segments), pedestrian & bicycle studies (including midblock crossing evaluations and conceptual developments), office and field based fatal crash reviews, Road Safety Audits, Signal Warrant Analysis, Qualitative Analysis reports, Left-Turn Signal Phase Warrants, review and follow-up studies for the Skid Hazard Program, Speed Studies, Intersection Control Evaluation (ICE), a Speed Calming & Pedestrian Safety Study, a No-Passing Zone Study, a Feasibility Study, and data collection. In addition, study efforts have included producing powerpoint presentations and material to coordinate and present to project Scoping Committee, coordinating with different FDOT offices and agencies for the implementation of safety improvements, such as FDOT Roadway Office, FDOT Maintenance Office, FDOT Planning Office, Miami-Dade County Traffic Signals and Traffic Engineering Offices. Study locations have included SR 90 at SW 157 Ave, SR 976 at SW 92 Ave, and SR 5 at SW 137 Ave Safety Studies; SR 7 at NW 15 St Pedestrian Study, SR 968 from SW 22 Ave to SW 17 Ave Pedestrian Study; SR 944 at NW 22 Ave Qualitative Assessment; Brickell Ave Feasibility Study; and Traffic Calming & Pedestrian Study SR A1A (in Bal Harbour).

ADA COMPLIANCE CONSULTANT (FDOT D6)
FM No.: 418064-1-32-03; 418064-1-32-04
Districtwide: 1/2016-Present
Client PM: Shereen YeFong, PE (305) 470-5393

Senior Traffic Engineer providing planning and traffic engineering services to produce planning level studies, plans review, pedestrian safety studies, and traffic engineering studies to support the Intermodal Systems Development Office. Under the period of this contract, we have addressed ADA citizen's complaints within the City of Key West and Miami-Dade. This contract has also included a study to evaluate the feasibility of providing sidewalks and bicycle lanes along both sides of SR A1A/Collins Ave near Haulover Park in North Miami Beach.

CARLOS FRANCIS, PE, PTOE, RSP1

Project Manager | Senior Traffic Engineer

YRS OF EXP.: 31
YRS POST REGISTRATION : 27

CERTIFICATIONS:
Prof. Registration: PE No. 51364, 1997
Prof. Traffic Operations Engineer, 2003
Road Safety Professional, 2023

EDUCATION:
BS in Civil Engineering, UF 1991

EXPERIENCE

CHOICE ENGINEERING CONSULTANTS APRIL 2015 TO PRESENT

TRAFFIC OPERATIONS STUDIES (FDOT D6)
Districtwide: 10/2023-Present
FM No.: 444437-1-32-01
Client PM: Isis Sotolongo (305) 470-5335

Project Manager responsible for the overall management and performance of traffic engineering services to produce operational studies and other traffic engineering studies (including traffic data collection) to support the Traffic Operations Office and address citizen complaints. Efforts include traffic operations studies to address request by the community related to signal warrants, left turn phase warrants, pedestrian safety concerns, bicycle lanes, qualitative assessments, arterial analysis, etc. This contract also includes efforts to support the FDOT with the maintenance and operational takeover of the traffic signals in Monroe County.

PEDESTRIAN AND BICYCLE SAFETY PROGRAM CONSULTANT (FDOT D6)
Districtwide: 7/2023-Present
FM No.: 415239-7-32-01
Client PM: Isis Sotolongo (305) 470-5335

Deputy Project Manager for performing traffic engineering services to produce pedestrian and bicycle safety studies. These task work orders include existing conditions, traffic data collection, field reviews, speed data collection, pedestrian counts, crash analysis operational analysis to determine practical and cost-effective engineering solutions that are feasible and constructible.

KEYS COAST CONNECTED VEHICLES DESIGN-BUILD (FDOT D6)
Monroe County: 7/2021-Present
FM No.: 444920-1-52-01
Client PM: Bruce Boyd (561) 743-9737

Senior Traffic Engineer supporting the signalization and ITS improvements along SR 5/US-1/Overseas Highway from Key West to Key Largo (approximately 104 miles) at 59 project sites (traffic signals, weigh-in-motion station, and drawbridge). Project improvements include deployment of 60 Road Side Units (RSU), 40 CCTV cameras, full actuation of vehicular movements with lane-by-lane detection with video/microwave/loops, automated traffic signal performance measures (ATSPM), managed field ethernet switch with edge computing capabilities, rephasing signal controllers, cellular communication, and fiber communications to overcome POE power restrictions. This project also includes implementation of ATSPM and Connected Vehicle Central Software at the SunGuide TMC and integration of Onboard Units (OBU) for 250 vehicles.

GENERAL TRAFFIC ENGINEERING SERVICES
City of Key West: 5/2018-Present
Client PM: Ian McDowell, PE (305) 809-3967

Project Manager providing general traffic engineering services to the City. Services include signal retiming along with additional traffic engineering professional services such as preparing traffic operations studies to address requests by the community related to signal warrants, all-way stop warrants, pedestrian safety concerns, parking zones, bicycle lanes, etc. Other services include transportation design for roadway improvements.

TRAFFIC OPS STUDIES (FDOT D6)
Districtwide: 11/2017-Present
FM No.: 409521-6-32-01
Client PM: Julio Polo (305) 470-5335

Project Manager responsible for the overall management and performance of traffic engineering services to produce operational studies and other traffic engineering studies (including traffic data collection) to support the Traffic Operations Office and address citizen complaints. Efforts include traffic operations studies to address request by the community related to signal warrants, left turn phase warrants, pedestrian safety concerns, bicycle lanes, qualitative assessments, arterial analysis, etc. This contract also includes efforts to support the FDOT with the maintenance and operational takeover of the traffic signals in Monroe County.

TRAFFIC OPS / SAFETY STUDIES (FDOT D6)
Districtwide: 7/2016-Present
FM No.: 250662-4-32-01 & 250662-5-32-01
Client PM: Yenia Morales (305) 470-5323

Deputy Project Manager providing traffic engineering services to support FDOT's safety action plans. Scope included performing safety studies (intersections and segments), pedestrian & bicycle studies (including midblock crossing evaluations and conceptual developments), office and field based fatal crash reviews, Road Safety Audits, Signal Warrant Analysis, Qualitative Analysis reports, Left-Turn Signal Phase Warrants, review and follow-up studies for the Skid Hazard Program, Speed Studies, Intersection Control Evaluation (ICE), a Speed Calming & Pedestrian Safety Study, a No-Passing Zone Study, a Feasibility Study, and data collection. In addition, study efforts have included producing powerpoint presentations and material to coordinate and present to project Scoping Committee, coordinating with different FDOT offices and agencies for the implementation of safety improvements, such as FDOT Roadway Office, FDOT Maintenance Office, FDOT Planning Office, Miami-Dade County Traffic Signals and Traffic Engineering Offices.

ADA COMPLIANCE CONSULTANT (FDOT D6)
Districtwide: 1/2016-Present
FM No.: 418064-1-32-03; 418064-1-32-04
Client PM: Shereen YeFong, PE (305) 470-5393

Senior Traffic Engineer providing planning and traffic engineering services to produce planning level studies, plans review, pedestrian safety studies, and traffic engineering studies to support the Intermodal Systems Development Office. This project includes the implementation/review of all ADA improvements performed by the District, ADA Plans Review, preparation of construction plans for ADA only improvements to be constructed through the Work Program and assisting the Department in the preparation of documents required for the settlement of ADA related lawsuits against the Department. Under the period of this contract, we have also addressed ADA citizen's complaints within the City of Key West and Miami-Dade. This contract has included a study to evaluate the feasibility of providing sidewalks and bicycle lanes along both sides of SR A1A/Collins Ave near Haulover Park in North Miami Beach.

ALEXANDER SOCARRAS, PE, PTOE, RSP1

Transportation Engineer

YRS OF EXP.: 16
YRS POST REGISTRATION : 8

CERTIFICATIONS:
Prof. Registration: PE No. 80510, 2016
Prof. Traffic Operations Engineer, 2017
Road Safety Professional No. 1174, 2023
IMSA Traffic Signal Technician, Level I
Intermediate MOT

EDUCATION:
BS in Civil Engineering, FIU 2011

EXPERIENCE

CHOICE ENGINEERING CONSULTANTS JUNE 2017 TO PRESENT

SR 5/US 1 LONG KEY BRIDGE (FDOT D6)
FM No.: 448206-1-22-01
Monroe: 2/2021-Present
Client PM: Bao Ying Wang (305) 470-5211

Lead Transportation Engineer responsible for performing preliminary engineering analyses including existing traffic data collection and historical crash review the Highway Safety Manual (HSM) procedures as part of the SR 5/US-1 Long Key Bridge over Long Key Channel Bridge Project Development and Environment (PD&E) Study. Furthermore, a safety analysis was performed to identify and evaluate project safety needs associated with the future No-Build and Build Alternative(s) using the Highway Safety Manual (HSM) procedures to estimate the safety performance functions for each of the project alternatives. The project limits extend along SR 5/US 1/Overseas Highway from MP 3.104 (south of N. Conch Avenue) to MP 6.251 (Mile Marker 66), within the Florida Keys in unincorporated Monroe County.

PEDESTRIAN AND BICYCLE SAFETY PROGRAM CONSULTANT (FDOT D6)
FM No.: 415239-4-32-01
Districtwide: 6/2018-Present
Client PM: Isis Sotolongo (305) 470-5187

Engineer supporting FDOT's Safety Action Plan by providing professional engineering services to evaluate future traffic impacts to traffic operations resulting from proposed construction of a Regions Bank branch on the northeast corner of SR 5/S Dixie Highway and SW 124 Street/ Chapman Field Drive within the Village of Pinecrest. Tasks included performing site visit to review existing roadway conditions, review of existing traffic volumes, traffic signal phasing and timing, and existing capacity analysis performed at various intersections surrounding the project site. Future conditions analysis was reviewed including trip generation and distribution, proposed site plan for proper access and circulation, parking, and future capacity analysis performed using SYNCHRO software.

GENERAL TRAFFIC ENGINEERING SERVICES
City of Key West: 5/2018-Present
Client PM: Ian McDowell (305) 809-3967

Engineer providing general traffic engineering services to produce traffic studies, traffic signal system design, physical (field) timing of traffic signals, traffic signal detection systems, roadway capacity calculations and studies, roadway signage/warrants, design/siting, traffic counting, bicycle and pedestrian planning, parking studies, etc. To support the City, we have performed traffic signal retiming services to improve mobility, safety, and operations along Flagler Ave throughout the day. Additionally, we are evaluating the existing safety and operations at three intersections within the City to determine if a multi-way stop control is warranted based on the guidelines presented in the Manual on Uniform Traffic Control Devices (MUTCD), 2009.

TRAFFIC OPS / SAFETY STUDIES (FDOT D6)
FM No.: 409521-8-32-01 & 409521-6-32-01
Districtwide: 11/2017-Present
Client PM: Julio Polo (305) 640-7424

Project Manager and Deputy Project Manager, respectively, responsible for providing traffic engineering services to produce operational studies and other traffic engineering studies to support the Traffic Operations Office. This is a task work order driven contract that addresses citizen requests by performing traffic studies including field reviews, traffic data collection (72-hour traffic volume counts, turning movement counts, pedestrian counts, etc.), crash analysis, and operational analysis to determine practical and cost-effective engineering solutions that are feasible and constructible. Traffic engineering studies typically include signal warrant analysis, spot speed studies, traffic calming review, traffic signal optimization, midblock pedestrian crosswalk evaluations, Intersection Control Evaluations (ICE), and school related studies such as speed zone evaluation (15 MPH) and signing and pavement markings evaluation to ensure compliance with applicable standards and guidelines.

TRAFFIC IMPACT STUDY REVIEW
Village of Pinecrest: 5/2020 - 7/2020
Client PM: David Mendez (305) 669-6916

Engineer responsible for providing professional engineering services to evaluate future traffic impacts to traffic operations resulting from proposed construction of a Regions Bank branch on the northeast corner of SR 5/S Dixie Highway and SW 124 Street/Chapman Field Drive within the Village of Pinecrest. Tasks included performing site visit to review existing roadway conditions, review of existing traffic volumes, traffic signal phasing and timing, and existing capacity analysis performed at various intersections surrounding the project site. Future conditions analysis was reviewed including trip generation and distribution, proposed site plan for proper access and circulation, parking, and future capacity analysis performed using SYNCHRO software.

TRAFFIC OPS / SAFETY STUDIES (FDOT D6)
FM No.: 250662-4-32-01
Districtwide: 6/2017 – 8/2021
Client PM: LeeFang Chow (305) 470-5335

Engineer providing traffic engineering services to produce safety studies, fatal crash review, and traffic engineering studies (including traffic data collection) to support the Hazard Reduction Program and the Safe Routes to School Program. RRR Safety Reviews may be performed at multiple locations. Assignments included pedestrian safety studies on SR 5, SR 7, SR 985, SR 968, SR A1A, and SR 917. May represent the Traffic Operations Office for the Rail Diagnostic field reviews and study development.

ERIK ECHEZABAL, MSCE, PE, PTOE
Transportation Engineer | TSM&O Lead

YRS OF EXP.: 14
YRS POST REGISTRATION : 7

Choice Engineering Consultants

CERTIFICATIONS:
Prof. Registration: PE No. 82215, 2017
Prof. Traffic Ops Engineer No. 4857, 2020
IMSA III Traffic Signal Senior Field Tech
IMSA Traffic Signal Inspector for Advanced Technologies
Advanced MOT
Wavetronix Microwave

EMAIL:
eechezabal@choiceeng.com

EDUCATION:
MS in Civil Engineering, FIU 2012
BS in Civil Engineering, FIU 2010

EXPERIENCE

CHOICE ENGINEERING CONSULTANTS JULY 2016 TO PRESENT

KEYS COAST CONNECTED VEHICLES/DESIGN-BUILD (FDOT D6) FM No.: 444920-1-52-01
Monroe County: 7/2021-Present Client PM: Bruce Boyd (561) 743-9737

EOR responsible for signalization and ITS improvements along SR 5/US-1/Overseas Highway from Key West to Key Largo (approximately 104 miles) at 59 project sites (traffic signals, weigh-in-motion station, and drawbridge). Project improvements include deployment of 60 Road Side Units (RSU), 40 CCTV cameras, full actuation of vehicular movements with lane-by-lane detection with video/microwave/loops, automated traffic signal performance measures (ATSPM), managed field ethernet switch with edge computing capabilities, rephasing signal controllers, cellular communication, and fiber communications to overcome POE power restrictions. This project also includes implementation of ATSPM and Connected Vehicle Central Software at the SunGuide TMC and integration of Onboard Units (OBU) for 250 vehicles.

GENERAL TRAFFIC ENGINEERING SERVICES
City of Key West: 5/2018-Present Client PM: Ian McDowell, PE (305) 809-3967

EOR responsible for analysis and design for implementation of signalization improvements along Flagler Ave at Bertha St/First St and Kennedy Blvd, and Kennedy Dr Mid-block signalized crossing. Project improvements include upgrading to full actuation and addition pedestrian signalization at Bertha St/First St and redesign of the eastbound left turn lane and addition of pedestrian signalization at the intersection of Kennedy Blvd. As part of post design, Erik assisted with addressing technical controller and cabinet requests by the Contractor and performing walkthrough inspections. Erik was also EOR for two signal retiming efforts along Flagler Ave and White St corridors. In addition, he supported with controller database 1:1 conversions and troubleshooting support with the signal maintaining contractor, technical advisory support, and MOT signal timing support to City engineering staff.

SIGNAL RETIMING SERVICES CONSULTANT (FDOT D6) FM No.: 435201-4-32-01 & 435201-6-32-01
Districtwide: 8/2018-Present Client PM: Ernesto Polo, PE & Sergio Bravo (305) 470-5757

Deputy Project Manager supporting with the overall management and performance of signal retiming services for over 1300 signalized intersection on the State Highway System utilizing multiple subconsultants. These efforts include extensive data collection efforts, coordination with the multiple maintaining agencies, development of traffic models using Synchro, field fine tuning, and performing before & after analysis using RITIS data and documentation. Supported with the transfer of operations and maintenance (O&M) responsibility of Traffic Signals in Monroe County (MM 4.4 to MM 104.6); integration of cellular communication, controller CPU upgrade (1-E to 1-C) with database conversion and testing, miscellaneous troubleshooting, cabinet assembly retrofits to establish alarms and provide improved accessibility to the police panel, and on-going operational support. Supported with TSM&O initiatives such as the development of the D6 Arterial Management Plan, Arterial Performance Reporting, on-going Automated Traffic Signal Performance Metrics (ATSPMs) implementation plan, and transition of City of Key West Traffic Signals O&M to the District. Erik is currently supporting the TSM&O unit with expanding the NW 119 Street ASCT pilot project limits

TRAFFIC OPERATIONS PUSHBUTTON DESIGN (FDOT D6) FM No.: 250629-5-32-01
Districtwide: 5/2017-Present Client PM: Ivette Funtanellas, PE (305) 470-5270

EOR responsible for the development of ITS plans for the integration of wireless communication to advance flashers at Overseas Highway/SR 5/US-1 at Snake Creek Drawbridge. The project required integrating advance bridge control flashing beacon assemblies with the bridge tenders house. Erik analyzed the existing wireless radio communication system and interaction with the mechanical signal control relays. The design plans included solar ITS beacon assemblies, supplementary traffic control warning signs, wireless radio communication for master and remote stations, and preemption operational sequence and provisions for the flashing beacons.

SR A1A/COLLINS AVE/INDIAN CREEK DR RIDE REHABILITATION (FDOT D6) FM No.: 430813-2-32-01
Miami-Dade: 6/2020-Present Client PM: Calvin Mason, PE (305) 470-5386

EOR for signalization and Temporary Traffic Control Plan (TTCP). This project includes upgrading the intersection from semi-actuated to fully actuated operations with microwave vehicle detection system (MVDS) and upgrading substandard pedestrian signalization to meet current MUTCD and FDOT standards.

SR 826/PALMETTO EXPRESSWAY FROM E OF NW 67 AVE TO E OF NW 57 AVE (FDOT D6) FM No.: 435760-3-52-01
Miami-Dade: 7/2017-Present Client PM: Raul Quintela, PE (305) 470-5271

EOR responsible for developing the signalization plans for the full reconstruction of the SR 826/Palmetto Expressway interchange (tight diamond) at SR 823/NW 57 Avenue/Red Road. The scope of work includes new extended capacity cabinet assemblies, video detection, UPS, full actuation, new mast arms, and pedestrian signalization. Erik was responsible for the analyzing of evaluating a single controller operation and coordinating with the signal maintaining agency regarding the feasibility by providing the high level schematic of detector input utilization, switch pack/load switch assignment, and database programming. He also analyzed capacity restrictions of the MD 660X cabinet and determined SDLC interface is required with the proposed 2070LX ATC signal controller.

RAFAEL S. AGUILAR, PE

Senior Project Manager

YRS OF EXP.: 26
YRS POST REGISTRATION : 12

CERTIFICATIONS:
Prof. Registration: PE No. 74068, 2012
Advanced MOT

EDUCATION:
BS in Civil Engineering, FIU 1998

EXPERIENCE

CHOICE ENGINEERING CONSULTANTS APRIL 2015 TO PRESENT

SR 5/US 1/N ROOSEVELT BLVD FROM EISENHOWER DR TO S ROOSEVELT (FDOT D6)
FM No.: 446011-1-32-01
Miami-Dade: 3/2023-Present
Client PM: Joaquin de la Cruz, PE (786) 626-8404

Project Manager responsible for the development of engineering documents, design and plans production of this RRR Project. Scope includes milling and resurfacing, ADA improvement, minor drainage improvements, minor widening, feasibility assessments related to the implementation of safety recommendations, signing and pavement markings, lighting, signalization, minor structures and a minor ITS component. This project is on an accelerated schedule that includes development of design alternatives changing the roadway's geometry to provide sidewalk connectivity, including a comprehensive environmental evaluation, FAA Coordination and public involvement. Project includes numerous design variations, a complex temporary traffic control with a complex lane closure analysis due to stakeholder concerns. Project falls within a historical and environmentally sensitive area in the City of Key West. Coordination his project is critical as it has multiple right of way constraints and areas where the right of way was not adequately recorded.

KEYS COAST CONNECTED VEHICLES DESIGN-BUILD (FDOT D6)
FM No.: 444920-1-52-01
Monroe County: 7/2021-Present
Client PM: Bruce Boyd (561) 743-9737

Senior Engineer responsible for supporting EOR with quality control management and specifications development for signalization and ITS improvements along SR 5/ US-1/Overseas Hwy from Key West to Key Largo at 59 project sites (traffic signals, weigh-in-motion station, and drawbridge). Project improvements include deployment of 60 Road Side Units (RSU), 40 CCTV cameras, full actuation of vehicular movements with lane-by-lane detection with video/microwave/loops, automated traffic signal performance measures (ATSPM), managed field ethernet switch with edge computing capabilities, rephasing signal controllers, cellular communication, and fiber communications to overcome POE power restrictions. This project also includes implementation of ATSPM and Connected Vehicle Central Software at the SunGuide TMS and integration of Onboard Units (OBU) for 250 vehicles.

SR 994/QUAIL ROOST DR (FDOT D6)
Project No.: 443907-1-52-01
Miami-Dade County 5/2021-Present
Client PM: Raul Quintela (305) 470-5271

Deputy Project Manager for this RRR Project responsible for implementing all scoped improvements to this 4-mile rural segment of SR 994/ Quail Roost Drive, in Miami-Dade County. The project improvements include milling and resurfacing, minor widening, inclusion of 5-ft shoulders, retention swales to account for the additional impervious areas, traffic safety and operational improvements, Intersection Control Evaluation for the inclusion of a roundabout, signing and pavement markings, lighting and signalization improvements.

PLANS REVIEW IN-HOUSE CONSULTANT
Project No.: EDP-PSA-2024
Miami-Dade County: 11/2020-Present
Client PM: Miguel Caldera (305) 470-5270

Project Manager responsible for the review of plans associated to permit applications to Miami-Dade County Public Works, in particular the Traffic Engineering Division. Reviews include major reconstruction projects, minor roadway improvements, signing and pavement markings and signalization improvements.

TRAFFIC OPERATIONS PLANS REVIEW (FDOT D6)
FM No.: 415239-4-32-01
Districtwide: 9/2019-Present
Client PM: Jacques Defrant, PE (305) 470-5335

Senior Reviewer supporting with the overall performance of plans review services to the Department's Traffic Operations Office. Performed detailed plans review of all District plans to ensure appropriate traffic operations measure and features meeting the Department standards and Traffic Operations standard operating procedures. Plan sets reviewed include, roadway, signing & pavement markings, signalization, lighting, ITS, landscape, TTCP, etc. All comments and marked up plans are documented through the Department's ERC system. Additional services included the performance of final inspections representing the Traffic Operations Office to ensure operational and safety elements are properly constructed as per plans and field conditions.

GENERAL TRAFFIC ENGINEERING SERVICES
City of Key West: 5/2018-Present
Client PM: Ian McDowell, PE (305) 809-3967

Senior Engineer providing general traffic engineering services to the City. Services include signal retiming along with additional traffic engineering professional services such as preparing traffic operations studies to address requests by the community related to signal warrants, all-way stop warrants, pedestrian safety concerns, parking zones, bicycle lanes, etc. Other services include transportation design for roadway improvements.

ADA COMPLIANCE CONSULTANT (FDOT D6)
FM No.: 418064-1-32-03; 418064-1-32-04
Districtwide: 10/2015-Present
Client PM: Shereen Yee Fong, PE (305) 470-5393

Project Manager responsible for the review of ADA improvements performed by the District. This is a task work order driven contract that includes various services such as ADA Plan Reviews, preparation of construction plans for ADA only improvements to be constructed through the Work Program, technical memos addressing citizen and municipality complaints and requests such as APS requests and accessibility reviews. Responsible for providing annual ADA training to FDOT CEI Staff as well as municipal staff involved in the final acceptance of construction projects in Miami-Dade and Monroe Counties. Assisted the Department as an in-house consultant supporting the Intermodal Systems Development Office in the coordination of all ADA related activities. Under the period of this contract, we have addressed ADA citizen's complaints within the City of Key West and Miami Dade.

JESSICA GARCIA, MSCE, PE, RSP1

Transportation Engineer

YRS OF EXP.: 4

Choice Engineering Consultants

CERTIFICATIONS:
Prof. Registration: PE No. 98888, 2024
Road Safety Professional, No. 987, 2023

EDUCATION:
BS in Civil Engineering, FIU 2020
MS in Civil Engineering, FIU 2021

EXPERIENCE

CHOICE ENGINEERING CONSULTANTS JANUARY 2021 TO PRESENT

MALLORY SQUARE MASTER PLAN PARKING STUDY
Miami-Dade: 8/2022 - 1/2023
Client: Marin Braco (607) 206-6863

Transportation Engineer performing the parking study and related efforts for the Mallory Square Master Plan which includes redeveloping the Mallory Square located in Key West, FL. The scope of work includes: quantitative and qualitative evaluation of the study area's existing parking inventory during typical and special event periods, parking circulation plan, identification of vehicular and pedestrian traffic patterns, field reviews, and improvement development for the adjacent roadway networks.

MISC TRANSPORTATION & TRAFFIC ENGINEERING SUPPORT SERVICES
Contract ID: 20-21-005/1
City of Miami: 7/2022-Present
Client PM: Nelson Mora, PE (305) 908-3934

Transportation Engineer supporting the performance of neighborhood traffic calming studies to assess the magnitude of cut-through and speeding traffic in the Coconut Grove and Little Bahamas neighborhoods in Miami, Florida. The scope of work includes: stakeholder meetings, collection of 24-hour vehicle counts and speed data (61 locations), traffic data analysis, development of conceptual neighborhood traffic calming scenarios with conceptual graphics, coordination with the Miami-Dade County Department of Transportation and Public Works, coordination with the District Commissioner Office, and coordination of stakeholder meetings.

TRAFFIC OPS / SAFETY STUDIES (FDOT D6)
FM No.: 250662-4-32-01 & 250662-5-32-01
Districtwide: 7/2016-Present
Client PM: Yenia Morales (305) 470-5323

Transportation Engineer supporting FDOT's Safety Action Plan by performing, but not limited to, safety studies (intersections and segments), pedestrian & bicycle studies (including midblock crossing evaluations and conceptual developments), office and field based fatal crash reviews, Signal Warrant Analysis, Qualitative Analysis reports, Left-Turn Signal Phase Warrants, Speed Studies, Intersection Control Evaluation (ICE), Skid Hazard Reports, and data collection. To implement the Strategic Highway Safety Plan (SHSP) and achieve the FDOT's goal of a fatality free transportation system for all roadway travelers, a review of the Safe Strides to Zero program is included in these studies. Similarly, multi-disciplinary strategies for improving safety and the systematic approach for identifying locations and behaviors related to fatal and serious injury crashes, as presented by FL SHSP, are implemented. In addition, these study efforts have included coordination with different FDOT offices and public agencies.

TRAFFIC OPS / SAFETY STUDIES CONSULTANT (FDOT D6)
FM No.: 250650-5-32-01 & 250650-6-32-01
Districtwide: 1/2021-Present
Client PM: Cristina Morales, PE (305) 470-5311

Transportation Engineer supporting the production of Resurfacing, Restoration and Rehabilitation (RRR) Safety Reviews. This is a task work order driven contract to identify significant crash patterns and recommend actions aimed at enhancing safety at locations are programmed for RRR projects. Under these studies, the following items are conducted: 5 year crash data review, development of a collision diagram, analysis of crash data (including graphs and tables) to identify crash hotspots and crash patterns, field review(s) during peak hour(s) or peak crash period to identify probable causes for the crash patterns, and an improvement development plan. These study efforts also include coordination with different FDOT offices and concerned citizens to address any reported safety concerns.

TRAFFIC OPERATIONS STUDIES (FDOT D6)
FM No.: 409521-6-32-01 & 409521-8-32-01
Districtwide: 1/2021-Present
Client PM: Julio Polo (305) 470-5335

Transportation Engineer providing traffic engineering services to produce operational studies and other traffic engineering studies to support the Traffic Operations Office. This is a task work order driven contract to address citizen requests by performing tasks including field reviews, traffic data collection, crash analysis, and operational analysis to determine practical and cost-effective engineering solutions that are feasible and constructible. Study types for this task work order include signal warrants, left turn phase warrants, pedestrian safety concerns, bicycle lanes etc.

TRAFFIC ENGINEERING AND PLANNING STUDIES
EDP-PSA-2017 R
Miami-Dade: 1/2021 - 6/2021
Client PM: Yamilet Senespleda (305) 375-2746

Transportation Engineer supporting the performance of a traffic study to measure the operational benefits or impact of opening the NW 154 Street bridge over I-75. The study area is bounded by SR 860/Miami Gardens Drive/NW 186 Street to the north, NW 138 Street and I-75/SR 924 to the south, SR 826/Palmetto Expressway and NW 77 Avenue to the east, and the Florida's Turnpike to the west. Scope of work includes: collection of 72-hr vehicle counts to determine peak hour of analyses (29 locations); 4-hr Turning Movement Counts (18 locations), traffic percent growth evaluation, origin-destination data using Streetlight, safety & operational field review assessments, existing and future operational analyses, planning level roadway segment analysis, future (year 2045) roadway link traffic volume development using SERPM, future year turning movement volume development, and mitigation strategies.

SIGNAL RETIMING SERVICES CONSULTANT (FDOT D6)
FM No.: 435201-4-32-01 & 435201-6-32-01
Districtwide: 1/2021-Present
Client PM: Yamilet Diaz, PE & Sergio Bravo (305) 470-5757

Transportation Engineer supporting the study effort of improving the overall performance of signal retiming services for the nearly 1300 signalized intersection on the State Highway System. She has retimed 2 corridors accounting 8 traffic signals. Efforts include extensive data collection efforts, coordination with the multiple maintaining agencies, documentation of improvements, and plans development.

LEONARDO FRANCIS, CGC

Quality Assurance Officer / Senior Designer

YRS OF EXP.: 38

CERTIFICATIONS:
Prof. Registration: CGC No. 052786, 1991
Inactive

EDUCATION:
BS in Construction Mgmt, FIU 1987
BS in Architectural Tech., FIU 1985

EXPERIENCE

CHOICE ENGINEERING CONSULTANTS MARCH 2016 TO PRESENT

PEDESTRIAN AND BICYCLE SAFETY PROGRAM CONSULTANT (FDOT D6)
Districtwide: 7/2023-Present
FM No.: 415239-4-32-01
Client PM: Isis Sotolongo (305) 470-5187

Designer supporting the traffic engineering group in performing pedestrian and bicycle safety studies and plans review. This task work order driven contract addresses citizen requests by performing midblock crossing evaluations, exclusive and leading pedestrian interval signal phasing evaluation, pedestrian/bicyclist safety assessment, and development of improvement sketches. This includes the coordination of data collection, preparation of cost estimates, and benefit/cost analysis.

D/W MISC. PE DESIGN – D/W LIGHTING IMPROVEMENTS (FDOT D6)
Miami-Dade: 1/2019-Present
FM No.: 439712-1-32-03
Client PM: Patrick Marchant, PE (305) 470-5214

Quality Assurance Officer for this project to improve lighting levels at signalized intersections for pedestrian safety. This project is in response to changes in the lighting standards implemented in 2016 due to high pedestrian fatalities at inadequately lit intersections. Eleven task work orders along multiple state corridors in Miami-Dade County were assigned through this contract addressing lighting deficiencies associated to pedestrian crossings. This project has a fast-paced schedule and design required extensive field work, coordination with maintaining agency.

TRAFFIC OPS SAFETY STUDIES (FDOT D6)
Districtwide: 11/2017-Present
FM No.: 409521-6-32-01
Client PM: Julio Polo (305) 640-7424

Designer providing traffic design services to produce operational studies and other traffic engineering studies to support the Traffic Operations Office. This is a task work order driven contract that addresses citizen requests by performing traffic engineering studies including field reviews, traffic data collection (traffic/pedestrian counts, etc.), crash analysis, and operational analysis to determine and develop practical and cost-effective engineering solutions that are feasible and constructible.

TRAFFIC OPS/SAFETY STUDIES (FDOT D6)
Districtwide: 7/2016-Present
FM No.: 250662-4-32-01 & 250662-5-32-01
Client PM: Yenia Morales (305) 470-5323

Designer providing traffic design services to produce safety studies, fatal crash review, and traffic engineering studies (including traffic data collection) to support the Hazard Reduction Program and the Safe Routes To School Program. RRR Safety Reviews may be performed at multiple locations. Represent the Traffic Operations Office for the Rail Diagnostic field reviews and study development.

ADA COMPLIANCE CONSULTANT (FDOT D6)
Districtwide: 3/2016-Present
FM No.: 418064-1-32-03; 418064-1-32-04
Client PM: Shereen Yee Fong (305) 470-5393

Senior designer and ADA Specialist responsible for the review of contract documents produced by consultants for the FDOT. Reviewed over 200 projects for ADA compliance and pedestrian safety. Also responsible for supporting the District 6 Planning and Environmental Management Office to address citizen, elected officials and municipality complaints associated to accessibility along the FDOT State Road System. Responsible for coordination with FDOT Central Office and FHWA to ensure the FDOT D6 ADA Transition Plan is maintained. As part of this contract, responsibilities include providing planning and traffic engineering services to produce planning level studies, conceptual improvements, plans review, pedestrian safety studies, and traffic engineering studies. This project includes the implementation/review of all ADA improvements performed by the District, ADA ERC Plans Review and Permit Office Plans Review, preparation of construction plans for ADA only improvement and assisting the Department in the preparation of documents required for the settlement of ADA related lawsuits. Under the period of this contract, we have addressed ADA citizen's complaints within the City of Key West and Miami Dade.

CITY OF MIAMI BEACH, PUBLIC WORKS DEPARTMENT DECEMBER 1985 TO MARCH 2016

CITYWIDE WAYFINDING SIGNAGE SYSTEM / MAINTENANCE OF SIGNS
City of Miami Beach: 09/2008-02/2016
Client PM: Richard Saltrick, PE (305) 673-7000

Project Coordinator responsible for managing the maintenance of the citywide Wayfinding Signage System, which included 359 vehicular signs and 167 pedestrian signs throughout the city. Responsibilities included coordinating the maintenance of the Wayfinding Signage System; removal of damaged signage and reinstalling as needed, resolving resident complaints relating to sign placements and coordinated with cleaning departments to address cleanliness concerns.

BISCAYNE ST/OCEAN DR TO BEACH / REDESIGN
City of Miami Beach: 10/1990 - 3/1991
Client PM: Domingo Rodriguez (305) 673-7000

Project Designer tasked with the redesign of Biscayne Street. Scope of services included widening and extending the roadway eastward towards the beach; providing a vehicular and pedestrian beach access, as-well-as beach shower at the cul-de-sac street end; redesign adjacent parking lot exist driveway onto Biscayne Street; provide on-street parking adjacent to the north side of the roadway; improve grading and enhance the storm water drainage by adding drainage structures; provide street lighting and adding median and sidewalk landscaping and irrigation systems; improve the intersection design by providing appropriate paver crosswalks and adding ADA ramps. Responsibilities included design, plan production, assist in survey data collection, utility coordination and quantity take offs to calculate costs for the development of the project budget.

ALEJANDRO ORTEGA, MSCE, EI

Transportation Engineer

YRS OF EXP.: 13

CERTIFICATIONS:
Prof. Registration: E.I. No. 1100018209, 2014
IMSA II Traffic Signal Field Technician
IMSA Traffic Signal Inspector for Advanced Technologies
Intermediate MOT

EDUCATION:
BS in Civil Engineering, FIU 2008
MS in Civil Engineering, FIU 2011

EXPERIENCE

CHOICE ENGINEERING CONSULTANTS JANUARY 2017 TO PRESENT

US 27/SR 25/OKEECHOBEE RD SMART WORK ZONE (FDOT D6)
Miami-Dade County: 11/2022-Present
FM No.: 447645-1-62-01
Client PM: Albert Wilkes (260)425-0769

TSM&O Engineer providing support to analyze the traffic data in work zones and assess its impact on local signal operations for the SR 25/ US 27/Okeechobee Road corridor during various construction phases. Deliverables may include traffic analysis reports to the FDOT Project Manager (or designee) before each MOT phase begins. Reports will include current and projected traffic counts, a comprehensive analysis of work zone and MOT impacts, and proposed adjusted signal timing plans for all intersections affected by the construction. Main objective of this effort is to ensure adequate and safe traffic flow through critical construction phases or major road closures.

KEYS COAST CONNECTED VEHICLES PROJECT DESIGN-BUILD (FDOT D6)
Monroe County: 7/2021-Present
FM No.: 444920-1-52-01
Client PM: Bruce Boyd (561) 743-9737

Engineer supporting EOR with site investigations and inventory for signalization and ITS improvements along SR 5/US-1/Overseas Highway from Key West to Key Largo (approximately 104 miles) at 59 project sites (traffic signals, weigh-in-motion station, and drawbridge). Project improvements include deployment of 60 Road Side Units (RSU), 40 CCTV cameras, full actuation of vehicular movements with lane-by-lane detection with video/microwave/loops, automated traffic signal performance measures (ATSPM), managed field ethernet switch with edge computing capabilities, rephasing signal controllers, cellular communication, and fiber communications to overcome POE power restrictions. This project also includes implementation of ATSPM and Connected Vehicle Central Software at the SunGuide TMS and integration of Onboard Units (OBU) for 250 vehicles.

SIGNAL RETIMING SERVICES CONSULTANT (FDOT D6)
Districtwide: 8/2018 - 12/2023
FM No.: 435201-4-32-01 & 435201-4-32-03
Client PM: Yamilet Diaz, PE (305) 470-5757

Transportation Engineer supporting the overall performance of signal retiming services for the nearly 1300 signalized intersection on the State Highway System utilizing multiple subconsultants. Alejandro has retimed 13 corridors which accounts for 237 traffic signals. These efforts include extensive data collection efforts, coordination with the multiple maintaining agencies, development of traffic models using Synchro, field fine tuning, and performing before & after analysis using RITIS data, documentation of improvements, Active Arterial Management Studies, support on various TSM&O/ITS initiatives such as Development of D6 Arterial Management Plan, Arterial Performance Reporting, and Automated Traffic Signal Performance Metrics (ATSPMs) implementation plan. As part of the efforts Alejandro provided support included the following:

- SR 826 Data Collection: Alejandro oversees all data collection efforts related to this contract, including quality control of data collection reports, and internal training of staff.
- Southbound Off-ramp and NW 25 Street Operational Study: Alejandro was responsible for performing field review, developing a synchro model for the signal system along NW 25 Street, operational analysis, and technical memorandum development.
- GIS Mapping: Alejandro is responsible for managing on GIS related efforts including retiming corridor tracking. He manages the databases of all traffic signals and corridors that are part of the signal retiming program. He also performed the spatial analysis that supported the corridor prioritization and ranking for the Arterial Management Plan.
- Transfer of operations and maintenance (O&M) responsibility of Traffic Signals in Monroe County (MM 4.4 to MM 104.6) to the District: Alejandro was provided support for the 2070E signal controller CPU upgrade (1-E to 1-C) database conversions, bench testing, and in-field implementation/integration along with miscellaneous troubleshooting, and supported with cabinet assembly retrofits to establish alarms (cabinet door open, cabinet flash, UPS on and low battery) and integration of cellular communication for remote monitoring per Signal Operating Guideline (SOG) requirements.
  16 traffic signals and pedestrian mid-blocks. Alejandro was also part of the team that provided support with the implementation of the Advanced Transportation Management System (ATMS) at the SunGuide. In addition Alejandro provided support testing and verifying proper operation of live status and alarms for remote monitoring per Signal Operating Guideline (SOG) requirements.
- eTraffic Update: Alejandro was the lead QC engineer and oversaw the update of assets with traffic controllers such as traffic signals, HAWKs, emergency signals, and pedestrian mid-block locations. Both Exhibit A and Controller Cabinet Attributes were updated as part of Phase 1.
- Transfer of City of Key West Traffic Signals O&M: Alejandro provided support to the team that performed the 2070E signal controller CPU upgrade (1-E to 1-C) database conversions and bench testing of 18 signalized intersections. As part of his effort was in-field implementation/ integration along with miscellaneous troubleshooting, and supported with the cabinet assembly retrofits to establish alarms (cabinet door open, cabinet flash, UPS on and low battery) and integration of cellular communication for remote monitoring of 16 traffic signals and pedestrian mid-blocks.
- Provided MOT support during construction for the implementation of signalization updates for the reconstruction on SR 25/Okeechobee from NW 87 Avenue to east of NW 79 Avenue.

SIGNAL OPERATIONAL SUPPORT CONSULTANT
Monroe County: 7/2016 - 6/2018
Client PM: Judith Clarke (305) 295-4329

Transnportation Engineer esponsible for supporting Monore County with maintaining and operating the traffic signals within the responsibility of Monroe County. Responsibilities included, but not limited to, programing controllers, signal retiming, troubleshooting signal controllers and cabinets, programming preemption operations, traffic signal inspection, and addressing citizen's complaints. Assisted with the standardization of signal equipment by converting to primarily to McCain 2070E controllers and tasked to manage the signal controller databases via McCain's Transparity IMS laptop software. In addition, responsible for retiming Stock Island to address/target seasonal traffic congestion.

LORENZO FUCHS, EI, RSP1

Transportation Engineer

YRS OF EXP.: 5

CERTIFICATIONS:
Prof. Registration: E.I. No. 1100023971, 2020
PE Passed 2021
Road Safety Professional, No. 1117, 2023
IMSA Traffic Signal Technician, Level I
Intermediate MOT

EDUCATION:
BS in Civil Engineering, FIU 2020

EXPERIENCE

CHOICE ENGINEERING CONSULTANTS SEPT 2019 TO NOV 2022 & JULY 2023 TO PRESENT

TRAFFIC OPERATIONS STUDIES CONSULTANT (FDOT D6)
Districtwide: 9/2023 - Present
FM No.: 444437-1-32-01
Client PM: Isis Sotolongo (305) 470-5187

Transportation Engineer producing safety, operational, among others, traffic engineering studies to support the Traffic Operations Office. This is a task work order driven contract that addresses citizen requests by performing traffic studies including field reviews, traffic data collection, crash analysis, crash collision diagrams, operational analysis, and interpreting various manual methodologies to determine cost-effective engineering solutions that are feasible and constructible. Traffic engineering studies include signal warrant analysis, safety analysis, midblock pedestrian crosswalk evaluations, traffic signal optimization, Intersection Control Evaluations (ICE), and signing and pavement markings evaluations.

TRAFFIC OPS / SAFETY STUDIES (FDOT D6)
Districtwide: 1/2021 - Present
FM No.: 250662-4-32-01 & 250662-5-32-01
Client PM: Yenia Morales (305) 470-5323

Transportation Engineer performing safety studies (intersections and segments), pedestrian & bicycle studies (including midblock crossing evaluations and conceptual developments), office and field based fatal crash reviews, Signal Warrant Analysis, Qualitative Analysis reports, Left-Turn Signal Phase Warrants, Speed Studies, Intersection Control Evaluation (ICE), and data collection. In addition, study efforts have included coordinating with different FDOT offices and public agencies.

PEDESTRIAN AND BICYCLE SAFETY PROGRAM CONSULTANT (FDOT D6)
Districtwide: 1/2021 - Present
FM No.: 415239-4-32-01 & 415239-7-32-01
Client PM: Isis Sotolongo (305) 470-5187

Transportation Engineer performing pedestrian and bicycle safety studies. This task work order driven contract addresses citizen requests by performing midblock crossing evaluations, exclusive and leading pedestrian interval signal phasing evaluations, pedestrian/bicyclist safety assessments, and development of improvement exhibits. This includes the coordination of data collection [72-hr machine counts for vehicle volume and speed, Turning Movement Counts (vehicles, trucks, ped & bike), and ped/ bicycle counts], and preparation of cost estimates, and benefit/cost analysis.

TRAFFIC OPERATION STUDIES CONSULTANT (FDOT D6)
Districtwide: 9/2019 - 11/2022
FM No.: 409521-6-32-01
Client PM: Julio Polo (305) 470-5335

Transportation Engineer producing safety, operational, among others, traffic engineering studies to support the Traffic Operations Office and address citizen requests. Traffic engineering studies typically include signal warrant analysis, safety analysis, spot speed studies, midblock pedestrian crosswalk evaluations, traffic calming review, traffic signal optimization, Intersection Control Evaluations (ICE), zone evaluations, left-turn phasing reviews, and signing and pavement markings evaluation to ensure compliance with applicable standards and guidelines.

TRAFFIC OPS / SAFETY STUDIES (FDOT D6)
Districtwide: 06/2020-11/2022
FM No.: 249796-9-32-01
Client PM: Xaviel Llerena (305) 470-5303

Transportation Engineer producing traffic and safety engineering studies (which include traffic data collection, safety analysis, etc), and RRR safety reviews to support the Prime on behalf of the FDOT. Relevant projects include three safety/operations studies and two 3R safety reviews. Specific examples include performing 3R safety reviews along (1) US-1 from north of NE 105 Street to south of NE 123 Street and along (2) SR 913 from SW 1 Avenue to Rickenbacker Causeway.

TRAFFIC OPERATIONS STUDIES CONSULTANT (FDOT D6)
Districtwide: 10/2021 - 11/2022
FM No.: 250650-5-32-01
Client PM: Cristina Morales (305) 470-5311

Transportation Engineer providing traffic engineering services by producing RRR safety reviews to support the Prime on behalf of the FDOT. Relevant projects include two 3R safety reviews in the Florida Keys specifically: along (1) SR 5 from south of Smugglers Marine to north of Executive Bay Club; and along (2) SR 5 from south of Executive Bay Club to south of Gardenia Street. These studies included performing crash reviews with collision diagrams to identify crash clusters and patterns to identify cost effective and feasible safety countermeasures that are utilized to develop conceptual diagrams.

TRAFFIC ENGINEERING AND PLANNING STUDIES
Miami-Dade County: 9/2019 - 3/2022
EDP-PSA-2017- R
Client PM: Yamilet Senespleda (305) 375-2746

Transportation Engineer responsible for performing a traffic study to measure the operational benefits or impact of opening the NW 154 Street bridge over I-75. Scope of work includes: collection of 72-hr vehicle counts to determine peak hour of analyses (29 locations); 4-hr Turning Movement Counts (18 locations), traffic percent growth evaluation, origin-destination data using Streetlight, safety & operational field review assessments, existing and future operational analyses, planning level roadway segment analysis, future year turning movement volume development, and mitigation strategies.

ANDY GUTIERREZ, MSCE, EI

Transportation Engineer

YRS OF EXP.: 3

CERTIFICATIONS:
Prof. Registration: E.I. No. 1100026163, 2022
PE Passed, 2023
IMSA Traffic Signal Technician, Level I
Intermediate MOT

EDUCATION:
BS in Civil Engineering, FIU 2022
MS in Civil Engineering, FIU 2023

EXPERIENCE

CHOICE ENGINEERING CONSULTANTS FEBRUARY 2021 TO PRESENT

TRAFFIC OPERATIONS IN-HOUSE SUPPORT (TRAFFIC ENGINEERING DIVISION)
Miami-Dade County: 4/2023 - 6/2024 — Client PM: Ayman Elbermawy, PE (305) 375-2030

Transportation Engineer responsible for providing traffic engineering services to support the Miami-Dade County Traffic Engineering Division by assisting in general traffic engineering services which include performing field reviews, reviewing traffic data and crash data, and performing an engineering analysis. This is a service request driven contract that addresses citizen requests by providing a response and/or developing a work order based on the engineering findings and results.

GENERAL TRAFFIC ENGINEERNG SERVICES
Village of Pinecrest: 4/2023–Present — Client PM: David Mendez (305) 669-6916

Transportation Engineer responsible for supporting the Village of Pinecrest by assisting in general traffic engineering services to produce safety and traffic engineering studies (which include traffic data collection, safety reviews, etc). Relevant projects include (1) performing an intersection operations analysis by evaluating the existing and proposed intersection safety and operations at SW 88 Street/Kendall Drive and SW 67 Avenue/Ludlam Road due to the development of a new park on the southeast corner of the intersection; and (2) performing a pedestrian crosswalk evaluation study in front of the Wayside Fruit & Vegetable Market at 10070 SW 57 Avenue.

SIGNAL RETIMING SERVICES CONSULTANT (FDOT D6)
FM No.: 435201-6-32-01
Districtwide: 7/2022-Present — Client PM: Sergio Bravo (305)470-5757

Transportation Engineer supporting with signal retiming services for over 1300 signalized intersections on the State Highway System managing multiple subconsultants. Efforts include extensive data collection, coordination with multiple maintaining agencies, development of traffic models using SYNCHRO, field fine tuning, and performing before and after analysis using RITIS data, documentation of improvements, Active Arterial Management Studies, various TSM&O/ITS studies, and plans development. Andy supported the City of Miami Beach Phase II Retiming efforts.

TRAFFIC OPS / SAFETY STUDIES (FDOT D6)
FM No.: 409521-6-32-01 & 409521-8-32-01
Districtwide: 2/2021-Present — Client PM: Julio Polo (305) 640-7424

Transportation Engineer responsible for providing traffic engineering services to produce safety, operational, among other traffic engineering studies to support the Traffic Operations Office. This is a task work order driven contract that addresses citizen requests by performing traffic studies including field reviews for traffic operations and safety conditions, traffic data collection (72-hour traffic volume counts, turning movement counts, pedestrian counts, etc.), crash analysis, crash collision diagrams, operational analysis, and interpreting various manual methodologies to determine practical and cost-effective engineering solutions that are feasible and constructible. In addition, FDOT resources such as ProjectSuite and the Five Year Work Program are utilized to retrieve project information and construction history as engineering solutions and recommendations are made. Traffic engineering studies typically include signal warrant analysis, safety analysis, spot speed studies, midblock pedestrian crosswalk evaluations, traffic calming review, traffic signal optimization, Intersection Control Evaluations (ICE), school related studies such as speed zone evaluation, and signing and pavement markings evaluation to ensure compliance with applicable standards and guidelines.

GENERAL TRAFFIC ENGINEERING SERVICES
City of Key West: 2/2021-Present — Client PM: Ian McDowell(305) 809-3967

Transportation Engineer responsible for supporting the City of Key West by assisting in general traffic engineering services to produce safety and traffic engineering studies (which include traffic data collection, safety reviews, etc). Relevant projects include (1) performing a multi-way stop control warrant study by evaluating the existing safety and operations at three intersections within the City; and (2) performing a pedestrian crosswalk evaluation with a multi-way stop control warrant study at the intersection of Bertha St and Atlantic Blvd.

TRAFFIC OPS / SAFETY STUDIES (FDOT D6)
FM No.: 250662-4-32-01 & 250662-5-32-01
Districtwide: 2/2021–Present — Client PM: Yenia Morales (305) 470-5323

Transportation Engineer supporting the traffic engineering group in the development of various traffic engineering studies for District 6. Responsibilities included field measurements for existing condition diagrams, CADD preparation of existing and collision diagrams, summarizing crash data from Signal Four Analytics, identifying potential crash locations consistent with the guidance and strategies provided in the FL-SHSP, and report production. Assignments include Qualitative Analysis reports, Technical Memorandums, Pedestrian and Bicycle Studies, Office Based Fatal Crash Review, Field Based Crash Reviews, support in the Hazard Reduction Program and overall traffic engineering studies, including traffic data collection.

SR 826 EXPRESS LANES PD&E, US 1 TO NW 36 ST
FM No.: 432639-1-32-01
Miami-Dade: 2/2021-Present — Client PM: Raul Quintela, PE (305) 470-5271

Transportation Engineer responsible for performing the SR 826 corridor wide, interchange, and cross-street arterial safety analysis using the CRF method and ISATE software with HSM methodology. Safety analysis consisted of applying HSM methodology to assess the potential reduction in crashes due to the implementation of long-range alternatives. Specifically, the ISATE software with HSM Predictive Method was applied to the SR 826 and a portion of the SR 836 mainline future year No Build and Preferred Build Alternative conditions, and the CRF Method was applied to the cross-street arterials and interchanges based on the identified improvements from the Preferred Build Alternative. In addition, a benefit cost analysis is being performed to assist in quantifying the overall projects safety benefit.

ELIZABETH CORREAL, EI

Transportation Engineer

YRS OF EXP.: 5

CERTIFICATIONS:

Prof. Registration: E.I. No. 1100023664, 2019
IMSA Traffic Signal Technician, Level I
Intermediate MOT

EDUCATION:

BS in Civil Engineering, FIU 2019

EXPERIENCE

CHOICE ENGINEERING CONSULTANTS SEPTEMBER 2019 TO PRESENT

TRAFFIC OPS / SAFETY STUDIES (FDOT D6)
Districtwide: 8/2023-Present
FM No.: 249796-9-32-01
Client PM: Xaviel Llerena (305) 470-5303

Engineer responsible for providing traffic engineering services to produce safety and traffic engineering studies (including traffic data collection) to support the Prime on behalf of the FDOT. The study locations include SR 909 and NE 137 Street, W 20 Avenue at W 21 Court, and SR 5 at NE 195 Street. Completed assignments encompass technical memoranda, modified signal warrant analysis, and a modified technical memorandum. These studies involve, but are not limited to, the following items: 5-year crash data review, crash data analysis, field reviews during peak hours or peak crash periods, and recommendations to improve conditions. Additionally, these reports contain data collection, which is coordinated with field technicians. Results are presented within tables and graphs within the reports.

PEDESTRIAN AND BICYCLE SAFETY PROGRAM CONSULTANT (FDOT D6)
Districtwide: 9/2019-Present
FM No.: 415239-4-32-01 & 415239-7-32-01
Client PM: Isis Sotolongo (305) 470-5335

Transportation Engineer supporting the traffic engineering group in performing pedestrian and bicycle safety studies. This task, work order-driven contract addresses citizen requests by performing, midblock crossing evaluations, exclusive and leading pedestrian interval signal phasing evaluations, pedestrian/bicyclist safety assessments, and development of proposed conditions. FDOT 5-Year Work Program and Project Suite are utilized to identify any relevant ongoing or planned projects in the vicinity of the study location that would impact or address the study request. The latest and official five years of crash data are retrieved from Signal Four Analytics, and specific police reports are downloaded for review. Field reviews are conducted to ascertain the overall study location operations and site conditions from both a traffic and safety perspective. When necessary, the latest version of Synchro is utilized to evaluate the performance of existing and proposed traffic conditions at the study location during peak periods. Coordination efforts include scheduling and reviewing data collected at the study intersection/segment by field technicians, and cost estimates and condition diagrams conducted by the roadway team. To ensure mitigation strategies are implementable, potential economic and safety benefits are evaluated by performing Benefit/Cost and Net Present Value analyses.

TRAFFIC OPERATIONS STUDIES (FDOT D6)
Districtwide: 9/2019-Present
FM No.: 409521-6-32-01 & 409521-8-32-01
Client PM: Julio Polo (305) 470-5335

Transportation Engineer responsible for providing traffic engineering services to produce operational studies and other traffic engineering studies to support the Traffic Operations Office. This task work order contract involves addressing citizen requests through various tasks, including field reviews, traffic data collection, crash analysis using Signal Four Analysis, and operational analysis. The study types encompass signal warrants, left turn phase warrants, pedestrian safety concerns, bicycle lanes, and others. These studies involve, but are not limited to, the following items: 5-year crash data review, collision diagram development, crash data analysis to identify hotspots and patterns, field reviews during peak hours or peak crash periods, and an improvement development plan. Additionally, coordination with various FDOT offices and concerned citizens is conducted to address reported safety concerns and develop practical, cost-effective, and feasible engineering solutions.

TRAFFIC OPS / SAFETY STUDIES (FDOT D6)
Districtwide: 5/2022-Present
FM No.: 250662-4-32-01 & 250662-5-32-01
Client PM: Yenia Morales (305) 470-5323

Transportation Engineer supporting the traffic engineering group performing, but not limited to, safety studies at intersections and/or segments, pedestrian and bicycle studies which includes midblock crossing evaluations and conceptual developments, office and field based fatal crash reviews, Signal Warrant Analysis, Qualitative Analysis reports, Left-Turn Signal Phase Warrants, Speed Studies, Intersection Control Evaluation (ICE), Skid Hazard Reports and overall traffic engineering studies. Additionally, data collection is coordinated with field technicians and then reviewed to ascertain good quality work for these studies. By implementing the Strategic Highway Safety Plan (SHSP) and achieving the FDOT's goal of a fatality free transportation system for all roadway travelers, a review of the Safe Strides to Zero program is included in these studies. Similarly, multi-disciplinary strategies for improving safety and the systematic approach for identifying locations and behaviors related to fatal and serious injury crashes, as presented by FL SHSP, are implemented. In addition, these study efforts have included coordination with different FDOT offices and public agencies.

TRAFFIC SAFETY IN-HOUSE SUPPORT (FDOT D4)
Districtwide: 6/2022 - 12/2022
FM No.: 436376-2-32-01
Client PM: Yujing "Tracey" Xie, PE (954) 777-4355

Transportation Engineer responsible for providing traffic safety support for District 4. Elizabeth was responsible for the distribution of the recommendations, both short-term and long-term, by consulting engineers. She ensured these recommendations reached specific areas in the county, encompassing maintenance, operations, and design. Another significant aspect of her role involved providing valuable comments on traffic study reports, contributing to a comprehensive approach to traffic safety in District 4. Occasionally, crash data was downloaded from Signal Four Analytics and CAR (used at the time) to determine crash statistics for the study location, along with police reports for in-depth analysis to develop collision diagrams.

TRAFFIC ENGINEERING AND PLANNING STUDIES
Miami-Dade: 9/2019 - 6/2021
EDP-PSA-2017 R
Client PM: Yamilet Senespleda (305) 375-2746

Transportation Engineer responsible with conducting a traffic study to assess the operational impact of opening the NW 154 Street bridge over I-75. The study area spans from SR 860/Miami Gardens Drive/NW 186 Street to the north, NW 138 Street and I-75/SR 924 to the south, SR 826/Palmetto Expressway and NW 77 Avenue to the east, and the Florida's Turnpike to the west. The scope of work included collecting 72-hour vehicle counts at 29 locations to determine peak hour analyses, 4-hour Turning Movement Counts at 18 locations, evaluating traffic percent growth, gathering origin-destination data using Streetlight, conducting safety and operational field reviews, and performing existing and future operational analyses. Additionally, planning-level roadway segment analysis, future (year 2045) roadway link traffic volume development using SERPM, future year turning movement volume development, and proposing mitigation strategies are part of the comprehensive scope.

Lorin R.C. Brissett, PE

Planning Division Manager

Years of Experience
28

Years of Post Registration Experience
23

Years working with BCC
Since 2015

Education
MS in Civil Engineering, 1995
Georgia Institute of Technology
BS in Civil Engineering, 1994
The City College of New York

Registration
Professional Engineer
Florida No. 56846, 2001
Georgia No. 034481, 2009

Career Highlights
Successfully Completed: Inaugural U.S. Vision Zero Academy – Partnership with Swedish Transport Authority & Johns Hopkins Bloomberg School of Public Health (May 2024)
Planning of Interchange Improvement & Analysis Workshop – FDOT Central Office (September 2015)
Project Development and Environment (PD&E) Manual process training, FDOT Central Office (June 2014)

Mr. Brissett has 28 years of Transportation Engineering experience. Mr. Brissett is an experienced project manager with special emphasis in traffic engineering, transportation facilities planning, traffic analyses and studies as well as process mapping and development of transportation engineering/planning systems. His technical strengths include traffic safety and operations, transportation planning and impact studies and modeling of transportation networks. He has analyzed and managed various projects for public and private sector clients.

Mr. Brissett has experience in making presentations to various stakeholders in matters related to transportation engineering and planning. He has successfully managed projects of varying complexity and scale while providing insightful technical guidance to various clients and project teams to achieve positive as well as durable outcomes.

Project Experience

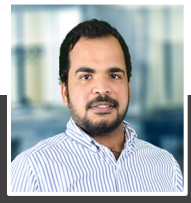
Miami-Dade Vision Zero Implementation Plan (High Injury Network Implementation), Professional Services for Transit and Public Works Projects (Contract No. CIP215-DTPW19-DE(2)); Miami-Dade County, FL; Client: Miami-Dade Department of Transportation & Public Works; Reference: Maria Elisa Colmenares, (786) 469-5394; MariaElisa.Colmenares@miamidade.gov; Project Duration: 2022 to 2025 (Est.) – Miami-Dade DTPW's Vision Zero goal is to eliminate fatal and serious injuries within our transportation network by 2040. BCC Engineering led a highly qualified team to provide technical and professional support to the DTPW in performing activities in the furtherance of this goal. Project activities include the planning and design of range of strategies and countermeasures targeted to reduce fatal and serious injury crashes on the high injury and priority locations identified from the Miami-Dade DTPW 2021 Vision Zero Framework Plan. The development of countermeasures was performed according to the Safe System Approach (sanctioned by the Federal Highway Administration), locations were identified where interim improvements could be installed, conceptual design plans and cost estimates were prepared to facilitate the programming and implementation of safety projects. Planning activities included public and municipality outreach and gathering of data, Design activities include CAD design plans and budget preparation. In addition to providing consulting services to M-D DTPW in all these areas, as the prime consultant on the project, BCC Engineering led the preparation of an application to request federal funds from the Safe Streets and Roads for All (SS4A) Grant Program to fund the implementation of a portion of the Top 100 locations for implementation within Miami-Dade County. Project Role: Project Manager\

Districtwide Traffic Operations/Safety Studies; Miami-Dade County, FL; Client: FDOT District 6 (Contract No: CAF16, TWO#33); Reference: Eugenio Lopez, (786) 250-5526; elopez@choiceeng.com; Project Duration: 2022 to 2027 (Est.) – As part of this contract, BCC Engineering was tasked to conduct a microsimulation operational analysis of intersection operations along Brickell Avenue from 8th Street to 5th Street in Downtown Miami. The objective of the microsimulation analysis was to determine what will be the most efficient type of pedestrian phase operation at each intersection and along the segment that will balance pedestrian demand and vehicular demand along the segment. The task involved traffic data collection, field reviews, crash data analysis, traffic operational analysis using VISSIM software, and evaluation of alternatives. The potential alternatives at the intersections along the corridor included exclusive pedestrian phase (EPP) and scramble pedestrian phase. Project Role: Project Manager.

Village of Key Biscayne Traffic Circulation Study for Crandon Boulevard/Fernwood Road, Village of Key Biscayne, FL; Client: Village of Key Biscayne Department of Transportation & Public Works; Reference: Jake Ozyman, 305-365-7568; jozyman@keybiscayne.fl.gov; Project Duration: 2022 to 2023 – The Traffic Circulation Study for Crandon Boulevard/Fernwood Road assessed current traffic operations, bike-pedestrian, and golf cart access, recommending improvements. Key aspects included evaluating intersection modifications at Harbor Drive, Fernwood Road, Grand Bay, Key Colony, and Sonesta Drive to improve safety and address turn lane deficiencies. The study also reviewed potential speed limit adjustments and traffic calming strategies, such as narrowing lanes, to enhance safety for pedestrians and cyclists. Additionally, it explored golf cart access enhancements on Fernwood Road and crosswalk modifications on Crandon Boulevard. BCC presented findings at public workshops to gather Village stakeholder input.

Revanth Katta, PE, PTOE, RSP1

Transportation Project Engineer



Years of Experience
10

Years of Post Registration Experience
6

Years working with BCC
Since 2015

Education
MS in Civil Engineering, 2015
University of Florida
BS in Civil Engineering, 2013
National Institute of Technology
Calicut, India

Registration
Professional Engineer
Florida No. 85922, 2018
Texas No. 140830, 2021

Certifications
Professional Traffic Operations Engineer No. 4622
Road Safety Professional No. 733

Mr. Katta has hands-on experience in traffic analysis, safety studies, transportation planning and modeling, ATMS, ITS, and design-build projects. He specializes in using software for traffic engineering, including Synchro, CORSIM, HCS, AutoCAD, and MicroStation. His expertise includes level of service and capacity analyses, supported by coursework in traffic engineering and advanced transportation planning. He is also familiar with HCM, HSM, MUTCD, and ITE Trip Generation Manuals.

Project Experience

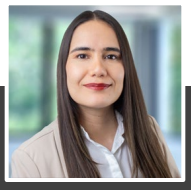
Miami-Dade Vision Zero Implementation Plan (High Injury Network Implementation), Professional Services for Transit and Public Works Projects (Contract No. CIP215-DTPW19-DE(2)); Miami-Dade County, FL; Client: Miami-Dade Department of Transportation & Public Works; Reference: Maria Elisa Colmenares, (786) 469-5394; MariaElisa.Colmenares@miamidade.gov; Project Duration: 2022 to 2025 (Est.) – Miami-Dade DTPW's Vision Zero goal is to eliminate fatal and serious injuries within our transportation network by 2040. BCC Engineering led a highly qualified team to provide technical and professional support to the DTPW in performing activities in the furtherance of this goal. Project activities include the planning and design of range of strategies and countermeasures targeted to reduce fatal and serious injury crashes on the high injury and priority locations identified from the Miami-Dade DTPW 2021 Vision Zero Framework Plan. The development of countermeasures was performed according to the Safe System Approach (sanctioned by the Federal Highway Administration), locations were identified where interim improvements could be installed, conceptual design plans and cost estimates were prepared to facilitate the programming and implementation of safety projects. Planning activities included public and municipality outreach and gathering of data, Design activities include CAD design plans and budget preparation. In addition to providing consulting services to M-D DTPW in all these areas, as the prime consultant on the project, BCC Engineering led the preparation of an application to request federal funds from the Safe Streets and Roads for All (SS4A) Grant Program to fund the implementation of a portion of the Top 100 locations for implementation within Miami-Dade County. Project Role: Traffic Operations and Safety Engineer

PD&E I-195/SR 112 from NW 12 Ave to SR-9, Project No 1.2568, CAJ47; Miami, FL; Client: Metric; Reference: Gabriela Garcia, (305) 235-5271, gabriela.garcia@metriceng.com; Project Duration: 08/2022 to 12/2024 – This project proposes traffic operational, capacity and multimodal improvements along the Interstate 195 (I-195)/SR112/Julia Tuttle Causeway corridor from NW 12th Avenue to SR 907/Alton Road and within the surrounding ramp terminal areas. Another project objective is to improve bicycle and pedestrian connectivity through the implementation of a protected and separated shared use path along the Julia Tuttle Causeway between the City of Miami and the City of Miami Beach. Located within the cities of Miami and Miami Beach in Miami-Dade County, the corridor provides interchange access to several neighborhoods recently experiencing significant growth including the Design District, Midtown, and Wynwood in the City of Miami. Additionally, the corridor is vital in providing a direct connection between Miami International Airport (MIA) via SR 112, I-95, and the densely populated areas of Miami Beach.Travel demand in this corridor is expected to increase over the next 30 years due to continued growth that is being planned within the two cities and greater Miami-Dade County. "BCC led the successful completion of the I-195 Corridor Planning Study which established initial purpose & need, project feasibility and potential solutions. BCC is a major partner on the PD&E team focused on refining the project's purpose and need, further developing multimodal solutions to address mobility and safety issues and facilitating extensive stakeholder coordination to ensure equitable participation in the development of those solutions to obtain project Location and Design Concept Acceptance. BCC is providing diverse support to the project team including concept development support (roadway and structures), traffic forecasting, safety analysis support and stakeholder coordination as well as serving as technical project advisor. Project Role: Transportation Engineer.

Districtwide Traffic Operations/Safety Studies; Miami-Dade County, FL; Client: FDOT District 6 (Contract No: CAF16, TWO#33); Reference: Eugenio Lopez, (786) 250-5526; elopez@choiceeng.com; Project Duration: 2022 to 2027 (Est.) – Under this contract, BCC Engineering performed a microsimulation operational analysis of intersections on Brickell Avenue from 8th to 5th Street in Downtown Miami. The goal was to determine the most efficient pedestrian phase operation to balance pedestrian and vehicular demands. Tasks included traffic data collection, field reviews, crash data analysis, operational analysis with VISSIM software, and evaluating alternatives like exclusive pedestrian phases and scramble phases. Project Role: Transportation Engineer.

Melissa Navarro Velasquez

Transportation Planner



Years of Experience
7

Years working with BCC
Since 2024

Education
MS in Regional and City Planning, 2022
University of Oklahoma
MS in Construction Management, Sustainable Architecture, and Energy Efficiency, 2017
La Salle Barcelona – Universidad Ramon Llull
BS in Civil Engineering, 2012
Escuela Colombiana de Ingenieria Julio Garavito

Career Highlights
Research
Data Analysis
Mapping
Technical writing
Critical thinking
Problem -solving
Leadership
Project Management
ArcGIS
Adobe Creative Cloud
AutoCAD
City View
MATLAB
Python
Queries

Certifications/Training
LEED Green Associate

Mrs. Navarro is a Civil Engineer from the University Escuela Colombiana de Ingenieria Julio Garavito, Bogota, Colombia. She holds a Master's degree in Construction Management and Sustainable Architecture from the University Ramon Llull La Salle, Barcelona, Spain, and a second Master's degree in Regional and City Planning from the University of Oklahoma. She has seven years of experience in the construction industry, working on projects related to housing, civil site development, and technical advice. In the last three years, Melissa has shifted her career to City Planning and has been involved in research and public policies. She has joined the BCC team as a Transportation Planning Engineer.

Project Experience

City Of Norman; Norman, OK; Client: City of Norman; Reference: Lora Hoggatt, (405) 366-5312; lora.hoggatt@normanok.gov; Project Duration: 01/2023 to 03/2024 – Prepared and presented rezoning and variances reports for Planning Commission and Board of Adjustment, coordinated Predevelopment meetings between applicant and the public to socialize projects, reviewed residential permits to ensure they met Zoning Ordinance requirements, and took daily emails, phone calls and walk-ins from different stakeholder to answers requests regarding planning processes. Project Role: Planner II.

Home ARP allocation project; Norman, OK; Client: University of Oklahoma; Reference: Bryce Lowery, (213) 399-7035; bryce.c.lowery@ou.edu; Project Duration: 01/2022 to 12/2022 – Project consisted of identifying the main Homelessness services' needs, to appropriately allocate federal funds from Home-American Rescue Plan Program of the U.S. Department of Housing and Urban Development. Activities included research and data collection, public meetings, and mapping and GIS analysis. Project Role: Graduate Research Assistant.

Medical Marijuana Dispensaries Patterns; Norman, OK; Client: University of Oklahoma; Reference: Bryce Lowery, (213) 399-7035; bryce.c.lowery@ou.edu; Project Duration: 01/2021 to 12/2021 – The project involved of understanding Medical Marijuana Dispensaries patterns in Oklahoma county and its relationship with the build environment. Activities included research and data collection, mapping, and spreadsheet analysis. Project Role: Graduate Research Assistant

National Weather Center Testing; Norman, OK; Client: University of Oklahoma; Reference: Humberto Vergara, (405) 501-0957; humber@ou.edu; Project Duration: 08/2020 to 05/2021 – The project involved developing a software that analyzes Flash Flood events to efficiently allocate emergency resources in Ecuador as a part of Red Cross and NASA effort. Activities included software testing, data analysis and mapping. Project Role: Graduate Research Assistant.

Mapei Colombia SAS; Bogota, Colombia; Client: Mapei Colombia SAS; Reference: Jorge.Rodriguez@mapei.com.co, +57 (312) 449-5401; Project Duration: 10/2019 to 08/2020 – Mrs. Navarro was involved in strengthening relationships with customers by providing technical support on construction products, created and implemented strategies to better approach potential customers, and met the monthly budget according to the company's goals and KPIs. Project Role: Technical Advisor for Sustainable Materials.

Fiberglass Isover - Saint Gobain; Mosquera, Colombia; Client: Fiberglass Isover; Reference: Martin Velez, +57 (320)490-3233; mvelez@saint-gobain.com; Project Duration: 10/2017 to 06/2019 – Mrs. Navarro monitored marketing mix for the construction product lines (insulating and waterproofing) and created strategies to increase sales, focusing on products' strengths, environmental sustainability, and people's comfort. Project Role: Product Manager Sustainable materials.

Alejandria Housing Development; Bogota, Colombia; Client: Constructora Bolivar; Reference: Juan Carrillo, +57 (317) 871-4429; juan.carrillo@constructorabolivar.com; Project Duration: 5/2015 to 10/2015 – Mrs. Navarro monitored project activities to keep them within the project's budget, made recommendations to adjust strategies to meet budget goals and reviewed quotes for labor and materials including approval of contracts and purchases. Project Role: Cost Control and Estimating Engineer.

Résumé of Lawrence T. Hagen, P.E., PTOE, RSP

Education

University of Florida:

Master of Engineering, Civil Engineering -- 1988
Bachelor of Science in Civil Engineering -- 1985

Work Experience

Hagen Consulting Services, LLC
Owner / Principal – July 2006 - Present
Providing engineering consulting services in areas related to traffic operations, traffic safety, road safety audits, and intelligent transportation systems throughout the state of Florida.

Technology Transfer Center / University of Florida
Safety Circuit Rider Manager – July 2006 - July 2012
Responsibilities include providing training and technical assistance to transportation agencies throughout Florida. Courses taught included "Low-Cost Safety Improvements," "Road Safety Audits," "Safe Mobility for Life," and "Traffic Engineering Fundamentals."

Center for Urban Transportation Research / University of South Florida
Program Director; ITS, Traffic Operations, & Safety – September 2002 - June 2006
Responsibilities included research in the areas of Intelligent Transportation Systems, Traffic Operations, and Safety.

Broward County Traffic Engineering
Signal System Engineer – March 2001 - September 2002
Responsibilities included managing the operation of the centralized traffic signal control center which controls over 1000 signalized intersections throughout the Ft. Lauderdale metro area.

Kimley-Horn & Associates, Inc.
Senior Transportation Engineer – September 1999 - March 2001
Responsibilities included design of roadway plans in the areas of Work Zone Traffic Control, Signing and Pavement Markings, and Signalization. Also involved in numerous traffic studies.

Faller, Davis & Associates, Inc.
Vice President for Transportation Services – March 1998 - August 1999
Responsible for transportation projects including preparing roadway plans in the areas of Work Zone Traffic Control, Signing and Pavement Markings, Signalization and Highway Lighting.

Faller, Davis & Associates, Inc.
Senior Traffic Engineer – January 1994 - March 1998
Involved in the development of and testing for SunPass. Also responsible for the review of plans in the areas of signing and pavement marking, signalization, and work zone traffic control.

Barr, Dunlop & Associates, Inc.
Traffic Engineer – May 1992 - December 1993
Responsibilities included a variety of traffic engineering tasks for public and private clients including signalization design, signing and pavement markings and access management studies.

Florida Department of Transportation
Assistant State Traffic Operations Engineer – April 1990 - May 1992
Responsibilities included development of sign designs, Quality Assessment Reviews of school zones and traffic studies, travel time studies, and corridor efficiency reviews.

Transportation Research Center, University of Florida
Assistant in Engineering - Civil Engineering Faculty – May 1988 - April 1990
Responsibilities included providing technical support for several traffic engineering computer models (TRANSYT-7F, HCS, PASSER II, Traf-NETSIM, etc.) to traffic engineers worldwide.

Florida P.E. # 43968 – March 15, 1991 Georgia P.E. # PE031562 – October 23, 2006

Adebayo Coker, PE

Principal Engineer

31 Years of Experience

Availability
75%

Education
B.S. in Civil Engineering, Florida International University (1992)

Registration(s)
PE (FL) No. 55322 (2000)

TIN No. C26001866

Licenses & Certifications

FDOT CTQP:

- Asphalt Paving Level I & II
- QA/QC Manager

TTC Advanced No. 38977

PortMiami Shed B Traffic Circulation Plan Study Engineering Services
Location: Miami-Dade County, FL. Duration: 1/2017-12/2017. Reference: Victor Gutierrez, PE, (305) 347-4802, victor.gutierrez@miamidade.gov
Adebayo was the Project Manager responsible for the conceptual plan that would alleviate traffic congestion, while being compliant with the Manual on Uniform Traffic Control Devices (MUTCD), Roadway Design Standards, Florida Greenbook, and the MDC DTPW. The project tasks involved developing several alternatives for road layouts and traffic control plans. Final recommendations included modifications to the loading dock at Shed B, which allowed trucks to park diagonally in front of the shed, and simultaneously provided a significant widening of North Cruise Boulevard, as well as a dedicated lane for trucks to maneuver safely. Efforts resulted in alleviating traffic conditions and reducing the blocking of traffic caused by trucks that were parked perpendicular to the loading dock. The solution consisted of relocating the CVIS tent, while providing a bypass lane for trucks adjacent to the docks. A crosswalk was relocated, and miscellaneous striping was applied. Angle parking location with frontage road allowed the separation of PortMiami traffic from CVIS delivery trucks.

FDOT District 4 I-595 Roadway Improvements Public-Private Partnership (P3) Project
Location: Broward County, FL. Duration: 1/2012-1/2014. Reference: Rey Rivas, PE, (305) 594-0457, rey.rivas@aecom.com
Adebayo performed interdisciplinary coordination of structural, geotechnical, utilities, drainage, MOT, SUE, and surveying for this P3 project, which extends from I-75 to I-95. The project length was approximately 14 miles. Adebayo reviewed engineering design plans for roadway, utilities, drainage, ITS, signalization, structures, lighting, and Traffic Control Plans (TCPs); coordinated and scheduled survey, geotechnical, Closed-Circuit Television (CCTV) cameras, and SUE field activities; oversaw project scheduling, cost estimate, weekly design meeting, permits, landscaping, roadway, ITS, geotechnical reports, miscellaneous structures, bridge, and emergency access gate design; reviewed power design plan submittal packages; attended meetings with local municipalities and permitting agencies to present project and report status; organized public involvement activities; and managed personnel from all disciplines.

P3FDOT District 6 SR-907/Alton Road from 5th Street to Michigan Avenue PD&E Study
Location: Miami-Dade County, FL. Duration: 1/2007–1/2008. Reference: Aileen Boucle, AICP, (305) 470-5201, aileen.boucle@dot.state.fl.us
Adebayo was the FDOT Project Manager responsible for the PD&E Study for improvements to Alton Road from 5th Street to Michigan Avenue. This PD&E Study involved the analysis of the existing conditions, public involvement, identification of preliminary alternatives, selection of Tier 2 alternatives, engineering evaluation of proposed alternatives, identification of preferred alternative, design and development of preferred alternative, and evaluation of the environmental, social, and cultural impacts. The proposed improvements were developed to address safety, drainage, utilities, signalization, bicyclist and pedestrian facilities, traffic flow, existing pavement conditions, lighting, and Traffic Control Plans (TCPs).

MDC DTPW Roadway Configuration Traffic Planning Study for NW South River Drive between NW 74th Street and NW 69th Avenue. *Location: Miami, FL. Duration: 10/2015-8/2017. Reference: David Hays, PE, (305) 375-2030, david.hays@miamidade.gov*
Adebayo was the Project Manager responsible for this traffic planning study and signalization design on NW South River Drive. Adebayo reviewed existing field conditions, collected data to forecast future traffic, evaluated traffic impacts of the two-lane roadway with curb and gutter, designed the reconfiguration of a segment of NW South River Drive from a two-way to a one-way operation, performed a Traffic Operational Study of existing issues, performed Traffic Operational Design and Traffic Control Systems Analysis, and designed and prepared signalization plans for the NW 74th Street and NW South River Drive intersection, with solar-powered rapid flashing beacons at NW South River Drive and NW 7901 Block.

Miami-Dade Transit Dadeland South Metrorail Station Parking Lot Expansion Project
Location: Miami-Dade Transit Dadeland South Metrorail Station Parking Lot Expansion Project
Adebayo was the EOR responsible for performing site planning for the design of the parking lot expansion, with over 98 parking spaces and the existing parking lot with over 180 parking spaces. Adebayo designed the paving, grading, lighting, and drainage systems; laid out the concept plans and ADA accessibility route for the entire parking lot, including the existing parking lot; performed drainage calculation and prepared the drainage report, pavement design, direction driveway access design, and MOT; coordinated the dry run permitting and landscape design; and performed the permitting process with FDOT, MDC Department of Regulatory and Economic Resources (RER), MDC PWD, and MDC Building Department. Water quality attenuation was provided through exfiltration trench.

Moatz Saad, PhD, PE, PTOE, IMSA II

Senior Traffic Engineer

12 Years of Experience

Availability
85%

Education
PhD in Civil Engineering, University of Central Florida, 2019

Master of Science in Transportation Engineering, University of Central Florida (2016)

Bachelor of Science in Civil Engineering, Alexandria University, Egypt (2012)

Registration(s)
PE (NC) No. 056192 (2023)
PTOE No. 5763 (2024)

TIN No. S300545910850

Licenses & Certifications
FSUTMS Modeling Certificate

PTV Vissim, PTV Visum

Bentley CUBE Voyager

Aimsun

SAS Data Mining Certificate

Adv. MOT Certificate # 68922

IMSA Traffic Signal Field Tech Level II - # BE_133439

FDOT District 6 SR-9/NW 27th Avenue Traffic Analysis from NW 7th Street to NW 36th Street. *Location: Miami-Dade County, FL. Duration: May 2024–Ongoing. Reference: Ramon Sierra, (305) 470-5336, Ramon.Sierra@dot.state.fl.us*

Moatz is serving as the Project Manager for this effort, which included evaluation of the impacts of omitting permissive left-turn phases at 8 signalized intersections along the project corridor, which includes a drawbridge over the Miami River. Moatz's responsibilities include overseeing data collection including Turning Movement Counts, travel time and speed data, queuing data, bridge operations observation, and signal timing data; future traffic volume forecasting performed using historical volume data and the Southeast Regional Planning Model (SERPM); VISSIM microsimulation including existing conditions model development with bridge operations, calibration and validation and future build alternative models for the AM and PM peaks; and historical crash analysis and safety evaluation and recommendations.

Miami-Dade Transit (MDT) SMART Plan Bus Express Rapid Transit (BERT)

Location: Miami-Dade County, FL. Duration: June 2019 – March 2021. Reference: Jie Bian, (305)-299-2574, Jie.Bian@miamidade.gov

Moatz was responsible for conducting traffic control analyses, by comparing measures of effectiveness at multiple intersections, arterial corridors, and urban networks. Moatz utilized the microsimulation to analyze the effects of the interaction of multiple modes on the operational efficiency of any combination of roadway elments. He performed optimization and microsimulation of subject intersections, to examine the operational and safety effects of various improvement options more closely, while simultaneously incorporating pedestrian, bicyclist, motorist, and transit vehicles. Moatz also utilized transit microsimulation capabilities, such as Transit Signal Priority to optimize the signal timing and balance between mobility and safety in both urban and rural scenarios. Traffic volumes were forecasted using SERPM output.

MDT South Corridor Transit Oriented Development (TOD) Planning Study

Location: Miami-Dade County, FL. Duration: June 2023–Ongoing. Reference: Elia Nunez, PE, (305) 447-3504, elia.nunez@aecom.com

Moatz is serving as the Traffic Lead and responsible to create a Bicycle and Pedestrian Facilities Plan as part of the South Corridor TOD Master Plan. The goal of this task is to perform an infrastructure Mobility & Connectivity Assessment (Bicycle and Pedestrian Facilities Plans). Analyze and expand previous planning work which identifies needed bicycle and pedestrian facilities, and crosswalks designed for universal accessibility. Develop transit stations and developments within the TOD that include facilities that incorporate the use of emerging transportation technologies such as autonomous vehicles and micro-mobility. Improve connectivity to key regional destinations, such as employment hubs, with three-mile catchment area and first and last mile connections to stations.

Port Everglades Port Everglades Master Plan

Location: Broward County, FL. Duration: September 2023–Ongoing. Reference: Elia Nunez, PE, (305) 447-3504, elia.nunez@aecom.com

Moatz is serving as the Project Manager for providing the as-needed port master planning services for preparing the Port Everglades 5-year, 10-year, and 20-year planning horizon and conducting On-Port Traffic and Parking study and Parking and Estimated Future Truck Traffic study. The tasks include Traffic Counts and Quantitative Assessment, Qualitative Assessment and FDOT Recommendations, Existing Parking Conditions, Parking Utilization, Port wide Traffic Analysis, and Port wide trucking queue analysis. Also, Future Traffic Projections are conducted using historical volume data and regional model data.

FDOT District 4 SR-817/University Drive Widening from Nova Drive to SR-84

Location: Broward County, FL. Duration: April 2022 – Ongoing. Reference: Lance Jones Jr, (954) 777-4680 lance.jones1@dot.state.fl.us

Moatz served as the Project Manager for this effort, which involved traffic data collection and traffic operations and safety analysis tasks including turning movement counts, ATR volume data, Origin-Destination, travel time and speed data, spot speed data at individual points, and queuing data and analysis. Moatz conducted the safety and operational analysis for three different concepts along SR-817 from Nova Drive to SR-84, developing existing conditions VISSIM microsimulation models, performing calibration and validation efforts, and developing future conditions models including signal retiming and optimization to evaluate measures of effectiveness between intersections. Surrogate Safety Assessment Model (SSAM) analysis was also conducted along the project segment.

Claudia Bustamante, MS, PE

Senior Transportation Engineer

19 Years of Experience

Availability
90%

Education
M.S. in Civil Engineering, University of Central Florida (2017)

B.S. in Civil Engineering, Universidad Del Cauca Colombia (2004)

Registration(s)
PE (FL) No. 87381 (2018)

Licenses & Certifications
Advanced MOT - # 32203

DOT Specifications Package

GeoPAK

MicroStation

Autoturn

CADD

3D Modeling

Miami-Dade Transit (MDT) South Corridor Transit Oriented Development (TOD) Planning Study. *Location: Miami-Dade County, FL. Duration: June 2023–Ongoing. Reference: Elia Nunez, PE, (305) 447-3504, elia.nunez@aecom.com*

Claudia is serving as the EOR and Project Manager responsible to create a Bicycle and Pedestrian Facilities Plan as part of the South Corridor TOD Master Plan. The goal of this task is to perform an infrastructure Mobility & Connectivity Assessment (Bicycle and Pedestrian Facilities Plans). Analyze and expand previous planning work which identifies needed bicycle and pedestrian facilities, and crosswalks designed for universal accessibility. Develop transit stations and developments within the TOD that include facilities that incorporate the use of emerging transportation technologies such as autonomous vehicles and micro-mobility. Improve connectivity to key regional destinations, such as employment hubs, with three-mile catchment area and first and last mile connections to stations.

City of Hollywood Johnson Street from North 30th Road to North Dixie Highway Complete Streets Project. *Location: Broward County, FL. Duration: 2023–Ongoing. Reference: Luis Lopez, PE, (954) 921-3925, llopez@hollywoodfl.org*

Claudia was the Engineer of Record of the project to evaluate a selected alternative as part of a PD&E study for reconstructing Johnston Street from North 30th Road to North Dixie Highway to accommodate a new interconnected sidewalk on one side of the street, new lighting, fully reconstructed two-lane two-way roadway with a center turn lane, new transit bus stops, and new drainage system within the existing Right of Way (ROW). HBC conducted a Limited Topographic Survey, Data Collection, Development of Conceptual Design Alternatives, Traffic Analysis of the Alternatives, and Public Involvement Coordination. Claudia oversaw the traffic operations analysis involving traffic counts, traffic forecasting, Synchro Analysis for all alternatives, crash data analysis, HSM analysis, and providing recommendations for each alternative.

MDC DTPW NE 2nd Avenue Reconstruction from NE 20th Street to NE 36th St. Design-Build (DB21-DPTW-02)

Location: Miami-Dade County, FL. Duration: 2022–Ongoing. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov

This project involves the reconstruction and expansion of a 1.09-mile segment of an existing 2-lane roadway to a 2-lane roadway with a Two-Way Left-Turn Lane (TWLTL) and a 6’ wide buffered bike lane in each direction. Claudia is the lead Project Engineer responsible for signing and pavement marking plans and signalization design improvements at 3 intersections.

FDOT District 4 SR-7/US-441 Transit Corridor Improvements Group/Priority 2 between Orange Drive and the New River Greenway and SR-838/Sunrise Boulevard from SR-7/US-441 to NW 31st Avenue Task Order 3

Location: Broward County, FL Duration: 2019–2023.Reference: Robert Lopes, PE, (954) 777-4425, Robert.Lopes@dot.state.fl.us

Claudia was the Deputy Project Manager responsible for the project coordination of proposed sidewalk/shared-use path improvements, including the sidewalk design for the east side of SR-7/US-441 between Orange Drive and Oakes Road and a shared-use path between Oakes Road and Riverland Woods Park. A second segment consisted of a shared-use path adjacent to SR-838/Sunrise Boulevard between SR-7/US-441 and NW 31st Avenue. The scope of services included coordinating the roadway design, multidisciplinary coordination, utility coordination, program management, public involvement, pavement design, quality control, schedule, modeling, earthwork, quantities, and cost estimates.

Palm Beach County (PBC) George Bush Boulevard Bridge over the ICWW Bridge Replacement

Location: Palm Beach County, FL. Duration: 2023–Ongoing. Reference: Mike Sileno, msileno@hardestyhanover.com

Claudia is serving as Deputy Project Manager and Engineer of Record, responsible for managing data collection, Turning Movement Counts (TMCs), O-D counts, existing conditions, microsimulation models, and calibration and validation. Future demand forecasting and ESAL analysis are conducted based on the historical AADT and Southeast Florida Regional Planning Model (SERPM) model. This project also involves safety analysis, crash analysis, collision diagrams, and Highway Saftey Manual (HSM) analysis for the studied segments. Mitigation improvements are being recommended due to the closure of the George Bush Bridge based on the safety and operations analysis.

Stefan Escanes, PE, PTOE

Equity / Evaluation & Reporting / Action Plan

Technical Expertise

Project Management
Traffic Operations Analysis & Design
TSM&O Applications
Signalization
Transportation Planning
Traffic Analysis & Modeling
Traffic Noise Analysis
Project Development & Environment Studies

Years of Experience

15 Years

Education

- B.S., Civil Engineering, Florida International University (2010)

Professional Registrations

- Professional Engineer – FL #80578 (2016)
- Professional Traffic Operations Engineer - FL #4502 (2020)
- Profession Engineer – CO #PE.0061104 (2022)

Certifications

- IMSA Level II Traffic Signal Field Technician Cert#: BE_113463
- Advanced MOT Certification Cert#: 61796 FDOT Prov#: 185
- FDOT Traffic Noise Analysis Course BT-19-0005
- FDOT TTC Advanced Cert# 617540 (exp 10/2027)

Professional Affiliations

- Member, Institute of Transportation Engineers (ITE)

Professional Profile

Mr. Escanes currently serves as Project Manager. His traffic engineering expertise spans from transportation planning to safety/traffic operations studies and signalization/TSM&O implementation. His management experience includes management of task work order based contracts and data intensive large-scale projects through various TSM&O, traffic operations, signalization, transportation planning, and PD&E contracts. He also has experience performing traffic analyses (Synchro, Sidra, Vissim, Vistro, Aimsun & Corsim) and quantitative safety analyses (HSM, ISATe, CRF, etc.) for Safety/Traffic Operations and PD&E Studies. His experience also includes several District 6 network analyses for master planning efforts and identification and development of priority lists for numerous efforts (Travel Time Reliability, Bottleneck Locations, TSM&O Corridor Rankings, etc.). Mr. Escanes is also one of the leading transportation engineers at Metric when it comes to performing in-depth traffic modeling and simulation services - including Intersection Control Evaluations. In addition, Mr. Escanes is **IMSA Traffic Signal Technician Level II** certified, and proficient in the use of all of the latest data collection equipment, District Six signal equipment and wireless ITS networks for Smart Work Zone Systems.

Experience

Project Manager: Districtwide Congestion Management & TSM&O Planning Consultant (2019 – 2024), FDOT District 6: The purpose of this planning study is to provide services to further the District's Congestion Management and TSM&O master planning efforts and implementation of corridor-oriented projects throughout the district. Primary tasks of this contract include project management; developing goals, objectives and measures (GOMs); data collection and analysis; prepare white papers on status of automated, connected, electric, and shared (ACES) vehicle technologies; develop a TSM&O strategy matrix which define what problem is being solved (i.e. mobility, safety, reliability, etc.); TSM&O needs assessment which will help map out an Action Plan for prioritization of projects; assist with implementation; and perform support services such as design plan reviews and facilitate meetings with FDOT staff and other stakeholders. Tasks include promoting TSM&O Mainstreaming in Planning to further support the implementation of TSM&O Strategies throughout the District.

Project Manager: Transportation Master Plan, City of Pembroke Pines: Metric recently completed this master plan contract with the City of Pembroke Pines to improve the City's transportation system and address key mobility needs to maintain livable neighborhoods. The plan will improve connectivity through all modes of travel, alleviating congestion, and improving safety for residents, visitors, and businesses in the City. Financial and funding analysis will be performed by identifying historical, current, and projected income and expenditures to determine local funding availability.

Project Manager: Cañon City Multi-Modal Master Plan: Metric is currently in the process of finalizing the Multi-Modal Master Plan for the City of Cañon City, a project that involves improving the City of Cañon City's transportation infrastructure and addressing important mobility demands. The plan considered the pertinent components of existing plans and developed additional elements to provide a safe, integrated network for pedestrians, bicyclists, and other alternative transportation modes throughout the city, with connections to other regional networks where possible.

The project involved proactive public engagement strategies to secure support from stakeholders and provide multimodal, context-sensitive solutions that support economic development while enhancing mobility and safety. Using GIS Field Maps to effectively convey data for use in the overall master plan, data collecting entailed comprehensive field observations of the current transportation network, features, and circumstances. In order to get location-based feedback for the master plan's development, stakeholder meetings were conducted utilizing GIS WebApps. Finally, the plan is being finalized with the recent collection of over 1,500 data points representative of trees, utilities, and other features within the right-of-way for impacts identification.

Additional Relevant Experience

- **Traffic Engineer: Bottleneck Locations: Identification and Prioritization in Miami-Dade County, FL, FDOT District 6**
- **Project Manager: Advanced Traffic Management Systems (Major Subconsultant Role) (2020 – 2029), Miami-Dade County**
- **Deputy Project Manager: Districtwide Traffic Engineering Support Services Cons. (2013 – 2018) (2018 – 2023), FDOT District 6**
- **Traffic Safety Engineer: Continuing Services Contract for Safety Studies (2018 – 2023), FDOT District 2**
- **Traffic Engineer: Districtwide Traffic Operations Support Services, FDOT District 6**

Nicole Mauntler, PE, AICP

Community Engagement / Equity Framework

Technical Expertise
Highway/Roadway Design
Multimodal Design
Pedestrian Improvements
Drainage Design
Utility Coordination
Site Development
PD&E

Years of Experience
16 Years

Education
B.S., Civil Engineering, University of Florida

Professional Registrations
- Florida Professional Engineer #76962
- AICP Certified Planner #34611
- Envision Sustainability Professional #55292 (5/2024)

Certifications
- FDOT Specifications
- FDOT Advanced Temporary Traffic Control (TTC) (01/2025)
- Stormwater Management Inspector #19594

Professional Profile

Ms. Mauntler's current role at Metric Engineering is as the PD&E Division Manager. She serves as Project Manager for PD&E studies, Deputy Project Manager for Planning studies, and as Roadway and Drainage Engineer on Design projects. She is highly experienced in all aspects of highway design, as well as drainage, utility coordination, planning, ADA Reviews, and site development design. Her recent focus has been on PD&E project development and has worked on every type of project from Categorical Exclusions to Environmental Impact Statements. She also has prepared specification packages and construction cost estimates.

Experience

Public Involvement: Transportation Master Plan, City of Pembroke Pines: Metric recently completed this master plan contract with the City of Pembroke Pines to improve the City's transportation system and address key mobility needs to maintain livable neighborhoods. The plan will improve connectivity through all modes of travel, alleviating congestion, and improving safety for residents, visitors, and businesses in the City. Financial and funding analysis will be performed by identifying historical, current, and project.

Project Manager: PD&E Public Involvement – continuing, FDOT District 7: This contract is intended to provide staff extension to the District 7 Planning and Environmental Office. At its base, the contract will provide public engagement support for a variety of projects from planning, and design, through to construction, or maintenance. It will also provide support for high profile projects such as the Tampa Bay Next. This contract will also be utilized to initiate a novel approach to transportation, taking on a proactive stance rather than reactive. Community conversations will be held to support meaningful engagement with stakeholders along corridors to determine the needs of the area. The identified improvements will undergo analysis to determine potential effects, as well as conceptual plan development.

Resurfacing and Safety Upgrades of Turnpike Mainline (SR 91) from MP 259.9 – 265.3 in Orange County, Florida's Turnpike Enterprise: Metric performed a review of the Existing Roadway Conditions Assessment Report (ERCAR) documentation and implement any improvements, recommendations, and/or design variations/exceptions/technical memorandums identified in within it. Services included the milling and resurfacing of the existing travel lanes including inside and outside shoulders and median openings within the limits of this job. This project included the Turkey Lake Service Plaza/Turnpike Headquarters (HQ) entrance and exit ramps, including the access roads (both NB and SB) along the outside of the Plaza as well as the parking lot. This involved a new landscape planting design in the parking lot which requires close coordination with the team for the placement of root cells, pavers, and bollards. This work included corrections to the shoulder drop-off along the edge of pavement as well as full depth cracking pavement rehabilitation. Metric performed cross slope analysis and cross slope correction to meet criteria, address needed transitions between the varied milling and resurfacing sections. Metric's design plans reflected any special adjustments to the mill and resurface process that were required along the drainage inlets, curbed areas and median crossovers. Adjustments and repairs were made to all guardrail openings for maintenance access and correct/adjust guardrail as needed. Replacement of non-compliant signing and new parking lot lighting for Turnpike HQs, Operations, Trades and FHP office buildings were also designed.

Public Involvement: Cañon City Multi-Modal Master Plan: Metric is currently in the process of finalizing the Multi-Modal Master Plan for the City of Cañon City, a project that involves improving the City of Cañon City's transportation infrastructure and addressing important mobility demands. The plan considered the pertinent components of existing plans and developed additional elements to provide a safe, integrated network for pedestrians, bicyclists, and other alternative transportation modes throughout the city, with connections to other regional networks where possible. The project involved proactive public engagement strategies to secure support from stakeholders and provide multimodal, context-sensitive solutions that support economic development while enhancing mobility and safety. Using GIS Field Maps to effectively convey data for use in the overall master plan, data collecting entailed comprehensive field observations of the current transportation network, features, and circumstances. In order to get location-based feedback for the master plan's development, stakeholder meetings were conducted utilizing GIS WebApps. Finally, the plan is being finalized with the recent collection of over 1,500 data points representative of trees, utilities, and other features within the right-of-way for impacts identification.

Additional Relevant Experience

- **PD&E Engineer: US 27/SR 25/Okeechobee Road PD&E Study From Krome Ave. to NW 79th Ave, FDOT District 6**
- **Public Involvement: SR 292 (Gulf Beach Highway/Barrancas Ave.) from Merritt Street to 3rd Street in Escambia County, FDOT District 3**
- **QA/QC for Data Collection, Transfer Package Development, Functional Classification Assistance, Complete Streets Designations: Districtwide Miscellaneous Roadway Characteristics Inventory FDOT District 3**
- **Deputy Project Manager/Engineer: Districtwide Systems Planning Consultant (General Planning Consultant), (3 contracts 2005-current), FDOT District 3**

Josh Reichert, PE

Crash Analysis

Technical Expertise
Traffic Engineering & Studies
Safety Reviews
Traffic Operations Design
ITS/TSM&O Design & Operations
FDOT Program/Project Mgmt.

Years of Experience
15 Years

Education
B.S., Civil Engineering,
Florida State University (2008)

Professional Registrations
- Professional Engineer – FL #77036 (2014)

Certifications
- FDOT Temporary Traffic Control (TTC) Advanced (10/2024)

Professional Profile

Mr. Reichert serves as the Traffic Operations Manager at Metric Engineering, Inc., where he oversees numerous Traffic and Transportation Systems Management and Operations (TSM&O) contracts and projects across Florida. With a robust background in Traffic Engineering, Safety Engineering, and TSM&O strategies, he leverages cutting-edge technology synthesized with proven traffic engineering concepts to optimize the operations and safety of the roadway network. As a former FDOT District 2 Traffic Operations employee, including serving as the ITS Operations Program Manager, Mr. Reichert managed multiple continuing services contracts, performed numerous operational and safety studies, developed work program projects, managed the North Florida Regional Transportation Management Center (RTMC), overseeing ITS maintenance, the Road Ranger Service Patrol, and the Traffic Incident Management (TIM) Team programs. His role involved coordinating complex projects that integrated agency networks, facilitating resource and data sharing among key stakeholders like FDOT, several local agencies throughout District 2, Jacksonville Transit Authority, University of North Florida (UNF), and the North Florida Traffic Planning Organization (NFL TPO). Mr. Reichert's extensive experience brings a wealth of expertise in traffic impact analyses, corridor studies, and intersection evaluations, all of which ensure projects meet stringent FDOT standards while enhancing traffic flow and safety. Through his leadership and commitment to client satisfaction, Mr. Reichert continues to make significant contributions to Florida's transportation infrastructure, earning him a respected position as a leader in Traffic Operations.

Experience

Traffic Engineer: Transportation Master Plan, City of Pembroke Pines: Metric developed a comprehensive 20- year Transportation Master Plan for the City of Pembroke Pines. This plan, informed by extensive data and community input, aimed to enhance traffic safety, convenience, and sustainability. Pembroke Pines, one of the fastest-growing U.S. cities, faced traffic challenges, particularly around schools. Metric's plan focused on these areas, proposing strategies to alleviate congestion during school hours and beyond. The plan included a thorough review of traffic patterns, traffic control systems, and public transit. Metric also considered how other city initiatives might impact transportation. Public engagement, with multiple meetings and stakeholder consultations, ensured the plan aligned with community needs. Metric actively explored federal funding opportunities, including the American Rescue Plan Act and Infrastructure Investment and Jobs Act (IIJA), to support this critical project. *Mr. Reichert was a traffic engineer supporting this effort.*

Districtwide Traffic Operations Safety Studies, (Sub to Choice), FDOT District 6: Metric is a sub on this Task Work Order (TWO) and will assist with the overall goal to provide traffic engineering services through the development of various traffic operations and safety studies that will be identified for intersections, arterials, etc., and related improvement recommendations and evaluations. Studies/Analysis along with supporting tasks include: Qualitative Assessments, High Crash Location Studies, Fatal Crash Reviews, Traffic Ops Safety Reviews, Before & After Studies, Road Safety Audits (RSAs), Intersection Control Evaluation (ICE), Intersection Analysis, Speed Zone Studies, Mid-Block Pedestrian Crosswalk Evaluations, Bottleneck Mitigation Studies, Traffic Data Collection, Signal Warrant Analysis, Arterial Analysis, Expected Value Analysis (EVA), Left Turn Phase Analysis, Signalization Plans, and Public Involvement.

Project Manager: Continuing Services Contract for Safety Studies (2018-2023), FDOT District 2: The contract included conducting safety studies (such as Road Safety Audits (RSA)) and performing other safety analyses. Additional tasks included resolving complaints or requests received from concerned citizens, reviewing fatal crashes, monitoring safety in specific work-zones, updating and maintaining the Department's Skid Hazard Reporting System, developing and utilizing GIS-based tools to identify locations with targeted crash patterns, performing Highway Safety Manual (HSM) analyses, and public involvement. *Mr. Reichert worked on the following TWOs under this contract: TWO 1 – Safety Study for the Intersection of Post Street (SR 228) at Hamilton Street - 434779-1-32-02; TWO 2 - Safety Countermeasures Review; TWO 3 - US 17 at SR 134 Safety Analysis; TWO 4 - HSID Project Analysis; TWO 5 - Mid-Block Ped Crossing Inventory; TWO 6 - Mid-Block Crosswalks Projects Analysis and Justification (5 locations in Duval and Alachua Counties) – Study Type IV – Composite Study; TWO 7 - Fatal & Serious Injury Crash Location; TWO 8 - Fatal Crash Location Safety; TWO 9 - Traffic Safety Studies; TWO 10 - Traffic Safety Studies; Project Manager/Project Engineer: TWO 11 - Traffic Safety Studies; TWO 12 – FY 2025 Safety Assessment Reports Study Type IV – Composite Study; TWO 13 - Fatal Crash Location Safety Improvements; TWO 14 - DW Pedestrian Safety Analyses; TWO 15 - Construction Crash Monitoring; TWO 16 - Safe System Studies; TWO 17 - FY 2026 Safety Assessment Reports; TWO 18 - Pedestrian/Bike Causal Factors; TWO 19 - Fatal Crash Location Safety Improvements; TWO 20 - Skid Hazard Reporting Analyses; TWO 21 - Left Turn Lane Analyses; TWO 22 - Left Turn Phase Warrant Analyses; TWO 23 - Midblock Crossing Analysis; TWO 24 - Minor Safety Study Task Support; TWO 25 - Safe Strides & Minor Safety*

Additional Relevant Experience

- **Resurfacing and Safety Upgrades of Turnpike Mainline (SR 91) from MP 259.9 – 265.3 in Orange County, Florida's Turnpike Enterprise**
- **12/2016 – Present: Traffic Engineer: Continuing Engineering Services for Traffic, Roadway, and Civil Engineering Services (2020 – 2025), Broward County**
- **2015 – 2020: Traffic Engineer: Districtwide Miscellaneous Safety Design (2016-2021), FDOT District 2**
- **06/2016 – 2020: Project Manager/Engineer of Record: Contract/Project Manager: Traffic Engineering Services for Traffic Studies, (2016 – 2020), City of Jacksonville**
- **Project Manager/Project Engineer: Transportation Planning & Traffic Engineering Continuing Services, (2020 – 2023), City of Apopka**

Emily Pinell

Grant Manager

Technical Expertise

- Force Account Labor
- Cost Estimating
- Project Worksheet Development
- Grant Management
- Data Analysis
- Closeout Reconciliation
- Grant Writing

Years of Experience

8

Education

B.S., Business Administration, Nicholls State University

Certifications

- IS-01000: Public Assistance Program and Eligibility
- IS-0230.e: Fundamentals of Emergency Management
- IS-100
- IS-276.a: Benefit-Cost Analysis Fundamentals
- IS-1001: The Public Assistance Delivery Model Orientation
- IS-1002: FEMA Grants Portal
- IS-1005: Public Assistance Alternative Procedures
- IS-1006: Disaster Damage and Developing Project Files
- IS-1007: Detailed Damage Description and Dimensions
- IS-1008: Scope of Work Development
- Excel for Accounting and Finance Professionals (2021)

Professional Profile

Ms. Pinell has eight years of experience as a Senior Recovery Closeout Specialist in the disaster recovery industry and has a proven ability to successfully navigate the complexities of FEMA PA Programs. She has meticulous attention to detail in closeout procedures and is adept at the management of force account labor and reconciliation processes. She has experience manipulating data and finding creative ways to gain insight from raw data, as well as a background designing and developing relational databases. She is an analytical, detail-oriented, and accomplished data professional with a record of accomplishment in collecting, analyzing, and improving business data to enhance solutions.

Experience

02/2023 – Present: Grant Writer | Grant Preparation: Assistance to Firefighters, City of Pinellas Park, Florida: Metric was contacted by the Pinellas Park Fire Department to create and apply for the Assistance to Firefighters Grant on behalf of the Department. Our team worked closely with the Department to draft narratives that accurately displayed the Department's needs, and to provide them with a strong, submittal-ready application to FEMA. We evaluated the Department's goals for the program and ensured that they were in line with those outlined in the Notice of Funding Opportunity provided by the Department of Homeland Security.

07/2023 – 09/2023: Grant Writer | Grant Preparation: Reconnecting Communities and Neighborhoods, City of Chipley, Florida: Metric worked with the City of Chipley to create and apply for the DOT's Reconnecting Communities and Neighborhoods Grant. Titled "*Uniting Communities of Chipley through Equitable Access and Mobility,*" the proposed project aimed to advance community-centered transportation by addressing the dividing facilities that prevent equitable access to safe, reliable transportation infrastructure. Metric worked closely with the City to assess their needs and provided them with a complete application to submit to DOT.

07/2023 – 09/2023: Grant Writer | Grant Preparation: Neighborhood Access and Equity, City of Morgan City, Louisiana: Metric was selected by the City of Morgan City to prepare and apply for the DOT's Neighborhood Access and Equity Grant program. Metric provided the City with cost estimating, needs assessments, and application creation from start to submittal. The project, *"Connecting Neighborhoods and Communities to Opportunity through Equitable Infrastructure,"* was designed to enhance community-oriented transportation by tackling the barriers that hinder fair access to secure and dependable transportation infrastructure.

06/2023 – 09/2023: Senior Fiscal Recovery Specialist | FEMA Public Assistance Consultant, Pasco County, Florida: Ms. Pinell conducted QA/QC reviews for FEMA PA reimbursement from Hurricane Ian. She reviewed data for force account equipment with FEMA's schedule of current equipment rates, as well as 20% compliance reviews for all Force Account Labor summaries.

11/2022 – 04/2023: Lead Senior Consultant | HOME Investment Partnerships Program – American Rescue Plan Consulting Services, Franklin County, Ohio: Metric worked with the County to develop a HOME-ARP Allocation Plan, ensuring the creation of a plan that best serves Franklin County. Metric's tasks included developing an Allocation Plan schedule, conducting the required agency and service provider consultation process, developing the Allocation Plan in compliance with all HOME-ARP regulations, conducting public participation, and assisting the County in the submission of the final Allocation Plan to HUD.

Juliann Bertone

Senior Grant Manager

Technical Expertise

- Project Management
- Public Health Policy
- Contract Management
- CDBG-DR Policy
- HUD Housing Counseling
- Subrecipient Management
- Financial Controls
- Budget Development
- Stakeholder Engagement
- COVID-19 Federal Funding

Years of Experience

11

Education

- M.A., Global Leadership & Sustainable Development, Hawaii Pacific University
- B.S., Integrated Marketing Communications, Ithaca College

Certifications

- Graduate Regional Institute for Health and Environmental Leadership
- CDPHE Project Management Essentials
- CDPHE Behavioral Health for Spokespersons Training
- FEMA Introduction to ICS for Operational First Responders
- FEMA External Affairs

Professional Profile

Ms. Bertone has extensive experience with HUD's CDBG Program, and in developing and executing federally funded programs. She is a quality improvement project leader who plans and organizes projects, meetings, and presentations, and collaborates with partners in government, non-profit, for profit, and academic settings to enhance project skill sets and conduct data collection. Ms. Bertone is well-versed in training and technical assistance, subrecipient management, program design, and program compliance. With demonstrated subject matter expertise in public health and comprehensive disaster recovery, she is well-equipped to manage a broad range of disasters.

Experience

05/2024 – Present: Program Manager | HOME-ARP Consulting Services, City of Nashua, New Hampshire: Ms. Bertone serves as the Program Manager for the City of Nashua, New Hampshire's $1.6M HOME-ARP allocation. She assists the client with program implementation, including policy and compliance, sub-recipient oversight, monitoring, and reporting.

07/2023 – 09/2023: Senior Program Manager | Reconnecting Communities and Neighborhoods: Grant Preparation Services, City of Chipley, Florida: Metric worked with the City of Chipley to create and apply for the Department of Transportation's (DOT's) Reconnecting Communities and Neighborhoods (RCN) Grant. Titled *"Uniting Communities of Chipley through Equitable Access and Mobility,"* the proposed project aimed to advance community-centered transportation by addressing the dividing facilities that prevent equitable access to safe, reliable transportation infrastructure. Metric worked closely with the City to assess their needs and provided them with a complete application to submit to DOT.

07/2023 – 09/2023: Senior Program Manager | Neighborhood Access and Equity: Grant Preparation Services, City of Morgan City, Louisiana: Metric was selected by the City to prepare and apply for the DOT's Neighborhood Access and Equity (NAE) Grant program. Metric provided the City with cost estimating, needs assessments, and application creation from start to submittal. The project, titled *"Connecting Neighborhoods and Communities to Opportunity through Equitable Infrastructure,"* was designed to enhance community-oriented transportation by tackling the barriers that hinder fair access to secure, dependable transportation infrastructure.

06/2023 – Present: Program Manager | Emergency Management Consulting Services, KEYS Energy Services, Florida: Metric is providing FEMA PA advisory services, hazard mitigation expertise, and financial and grant management support. Metric assisted in developing their concept paper for submission to the Office of the Department of Energy (DOE) for their Grid Resilience and Innovation Partnership (GRIP) grant program. After a favorable review, DOE encouraged KEYS to submit a grant application for award consideration. Currently, Metric is providing technical assistance in the grant application development and submittal for the acquisition and implementation of software and equipment, including upgraded electric meters and equipment monitors to support AMI and the addition of collectors to acquire meter data through the GRIP opportunity. In addition, Metric is creating the community benefits plan to include community and labor engagements, investing in job quality and workforce continuity, advancing diversity, equity, inclusion, and accessibility, and contributing to the Justice40 Initiative goal to ensure that 40% of overall benefits of federal investments flow to disadvantaged communities. The grant request is for an estimated budget of $20 million.

Media Relations Group, LLC

Dayana Sanjurjo

Community Outreach Specialist (Bilingual)

Professional Credentials
Associates of Art, International Fine Arts College, Miami, FL, 2003

Bachelor of Fine Arts, Interior Design, Art Institute of Fort Lauderdale, FL, 2005

Basis For Team Selection
Assists with major educational campaigns throughout Monroe and Miami-Dade counties

Proven management and leadership skills and results-driven, multifaceted professional with experience coordinating public meetings and onsite project inspections

Skilled in stakeholder research, communicating to the public in English and Spanish and highly experienced in maintaining organized and complex project records and databases

Bilingual (English/Spanish)

Office Location
Miami, Florida

Dayana Sanjurjo has over 19 years of professional experience specializing in managerial services and for the past six years she has assisted MRG's Public Information Managers and Officers with all transportation-related projects and public outreach efforts. She has worked and continues to work on multiple projects and campaign initiatives within Monroe and Miami-Dade counties. *Select MRG project experience includes:*

- **2019 – 2023 – Florida Department of Transportation (FDOT) District Six Districtwide Communication Programs and Special Projects – Traffic Operations, Monroe and Miami-Dade Counties, Florida** – Mrs. Sanjurjo assisted the Lead COS with organizing outreach events, contacting agency partners to confirm participation, conducted door-to-door distributions and made follow-up phone calls to organizations as needed for the following traffic operations campaigns:
    - Drive Safe Aggressive Driving and Put it Down Distracted Driving
    - High Bicycle Crash Location Outreach

  Reference: Tish Burgher, FDOT, 305.470.5349. Project Role: Assistant Community Outreach Specialist

- **2024 – Present – Lee County Metropolitan Planning Organization (MPO) Safe Streets 4 All (SS4A) Comprehensive Safety Action Plan, Lee County, Florida** – Lee County MPO SS4A Study focuses on the County's Safety Action Plan to enhance road safety and reduce fatal and serious injury crashes. This comprehensive plan identifies projects and strategies based on thorough data analysis and community engagement, ensuring alignment with the USDOT Safe Streets for All program and the Federal Highway Administration's methodology. Mrs. Sanjurjo assists the Lead COS with all public outreach efforts for this project including the coordination of public meetings, stakeholder meetings and the preparation of project collaterals and meeting materials. *Reference: Matthew Maher, Stantec, 407.638.2012. Project Role: Community Outreach Specialist*

- **2021 – Present – Miami-Dade County Department of Transportation and Public Works (DTPW) – Vision Zero Initiative, Miami-Dade County, Florida** – The Miami-Dade County Department of Transportation and Public Works has committed to eliminating traffic deaths and serious injuries within their transportation network by 2040 through their Vision Zero Program. MRG is leading the public engagement efforts for this life saving initiative and tasks include developing the project fact sheet and website, creating Social Pinpoint online map surveys, logo development and engaging communities to expand awareness. MRG conducts outreach by neighborhood and one on one surveying/working with various municipalities. Mrs. Sanjurjo assists the Public Involvement Manager with all public involvement activities for this initiative. *Reference: Paola Baez, Miami-Dade County, 786.469.5204. Project Role: Community Outreach Specialist*

- **2023 – 2024 – FDOT District Six Wrong Way Driving (WWD) Initiative Campaign, Miami-Dade County, Florida** – The WWD initiative was originally created to eliminate crashes that are attributable to Wrong Way Driving throughout Miami-Dade County. Mrs. Sanjurjo was the Communications Outreach Specialist who assisted the Project Manager with multiple public involvement efforts which includes coordination with seven local municipalities and Miami-Dade County's elected and appointed officials to effectively communicate and maximize messaging to the targeted community. Her responsibilities included educating the public regarding ramp improvements through innovative advertising, earned media, partner collaborations and educational outreach, and informing stakeholders about upcoming construction efforts and potential impacts. She led a joint-public outreach effort while hosting a Media Availability Day in conjunction with the Florida Highway Patrol, for the Initiative in May 2023. *Reference: Andres Berisiartu, FDOT 305.640.7433. Project Role: Community Outreach Specialist*

Media Relations Group, LLC

Paulette Summers

Community Outreach Specialist

Professional Credentials
Bachelor of Administration, Major: International Business, Minor: Marketing and Management; FIU, 2003

Basis For Team Selection
Over 8 consecutive years of working as COS in the Florida Keys

Currently assigned to major District Six Districtwide contracts, including the Monroe County Design and Construction Projects

Responsible for or assisted with multiple award-winning contracts, including Florida Transportation Builders Association - Florida's best in construction community awareness, 2020

Over 26 years of extensive public relations and marketing experience, including media outreach

Demonstrates strong public involvement, problem-solving, organizational skills coupled with her innate ability to build positive strategic alliances, through business partnerships and community members

Office Location
Miami, FL

Mrs. Summers has over 26 years of experience specializing in public involvement, facilitation services, public relations, media relations, social media and marketing services. For over eight years, Mrs. Summers has had the unique position of leading the public involvement efforts on concurrent districtwide design and construction contracts throughout Monroe County and Miami-Dade, namely the Florida Department of Transportation (FDOT) District Six Districtwide Public Communications Consulting Services on Miscellaneous Construction Projects and Districtwide Public Communications Consulting Services on Miscellaneous Design Projects. As part of the contract, Mrs. Summers led all PI efforts for Ribbon Cutting Ceremony held in January 2022 for the Old Seven Mile Bridge (between Knights Key to Pigeon Key). *Select project experience includes:*

- **2021 – 2023 – Key West International Airport Concourse A and Terminal Improvements Program Architectural and Engineering Services Contract, Monroe County, Florida –** Mrs. Summers led the public involvement efforts on this contract where she oversaw staff who rendered graphic design services in preparation of a public meeting held in October 2021 and assisted client in coordinating with multiple vendors on the production and installation of large format wall wraps at the airport. She provided similar services on another public meeting in Summer 2022. *Reference: Richard Strictland, Key West International Airport, 305.393.7742. Project Role: Community Outreach Specialist*

- **9/2019 – 11/2019 – FDOT District Six Key West (North Roosevelt Boulevard) Pedestrian Hybrid Beacon (PHB) Educational Campaign Initiative (Construction Phase), Monroe County, Florida –** MRG was contracted to assist FDOT District Six in its efforts to inform the public of the Key West PHB Beacons. Five PHBs were installed and activated at the existing mid-block crossings along North Roosevelt Boulevard. MRG lead staff was responsible for educating drivers, pedestrians and cyclists on how to effectively use the PHB with the distributing of flyers. The educational outreach efforts conducted were to ensure that all users are well-informed about the benefits of these devices as well as how they work. Mrs. Summers was the Lead COS on this contract. *Reference: Rodolfo Roman, FDOT, 305.640.7437. Project Role: Assistant Community Outreach Specialist*

- **1/2018 – 3/2018 – FDOT District Six Key West (North Roosevelt Boulevard) Pedestrian Hybrid Beacon (PHB) City-Wide Project (Design Phase), Monroe County, Florida** – Mrs. Summers was the Lead Community Outreach Specialist responsible for all the public involvement efforts related to this city-wide contract, which ran along US 1/North Roosevelt Boulevard, a main artery in the City of Key West. She worked closely with the FDOT assigned Project Manager, District Six, Communications Manager, and Infinite Source Communications Manager, to ensure that stringent deadlines were met, with this fast-tracked project. *Reference: Monica Diaz, Infinite Source Communications, 305.573.0089, Project Role: Community Outreach Specialist/Graphic Designer*

- **2017 – 2022 – FDOT District Six Old Seven Mile Bridge Ribbon Cutting, Monroe County, Florida** – Mrs. Summers led all PI efforts in preparation for the FDOT District Six Old Seven Mile Bridge Ribbon Cutting Ceremony in Marathon. This project consisted of repairing the bridge to restore connectivity between Knights Key and Pigeon Key, while creating a recreational area with safe bicycle and pedestrian conditions. Since its reopening, the bridge has attracted thousands of residents and transients which brings enormous historical and economic value to the community. MRG's collaborative efforts with Monroe County, City of Marathon, the Department of Environmental Protection, the Pigeon Key Foundation, Friends of Old Seven, the Monroe Tourist Development Authority, the Greater Marathon Chamber of Commerce and many others led to a successful event. *Reference: Tish Burgher, FDOT, 305.470.5277. Project Role: Community Outreach Specialist*

Priscila Jäger Clawges, LEED AP ND

Senior Community Outreach Specialist

Professional Credentials
Bachelor of Architecture (Major in Architecture), Florida Atlantic University, Fort Lauderdale, Florida, 2008

Associate in Arts in Civil Engineering, Miami Dade Honors College, Miami, Florida, 2005

Certifications
Neighborhood Development, LEED AP ND, LEED Accredited
Professional, U.S. Green Building
Council, Florida, 2015

Basis For Team Selection
16 years of experience in Transportation Planning and as a Public Outreach Specialist

Highly skilled in public outreach communication, community engagement, graphic design, and transportation planning

Bilingual
(English/Spanish)

Office Location
Broward, Florida

Priscila Clawges has 16 years of combined experience in Project Development & Environment (PD&E), Public Involvement, and Transportation Planning. Skillsets include sustainable design planning, project management, and graphic design. Ms. Clawges' experience includes working with the Florida Department of Transportation (FDOT), Florida's Turnpike Enterprise (FTE), and Metropolitan Planning Organizations.

Ms. Clawges is a fully bilingual member of Media Relations Group, LLC (MRG) senior communication outreach specialist staff, who is responsible for various outreach efforts, which includes developing and disseminating public information materials for community engagement events and campaigns and assisting with major transportation contracts. *Select project experience includes:*

- **2016 – 2024 – FDOT Central Office, Office of Environmental Management (OEM), Statewide, Florida –** Before joining MRG, Mrs. Clawges worked for over eight years as the PD&E and Public Information Specialist on numerous District Four and Florida's Turnpike Enterprise (FTE) contracts where she implemented FDOT's Statewide Acceleration and Transformation (SWAT) process. Some notable projects include:
    - FDOT District 6, Long Key Bridge (#900094) Replacement PD&E Study in Monroe County
    - FDOT District 4, I-95 from South of Linton Boulevard to North of 6th Avenue South PD&E Study in Palm Beach County, where she received the 2024 American Council of Engineering Companies (ACEC) Award for Outstanding PD&E/Planning Project
    - FDOT District 4, SR A1A Sebastian Inlet Bridge (#80005) Replacement PD&E Study in Indian River County
    - FDOT District 4, I-95 from South of Commercial Boulevard to North of Cypress Creek Road PD&E Study in Broward County
    - FTE PD&E study for Widening the Sawgrass Expressway from South of Sunrise Boulevard to South of US-441 in Broward County
    - FTE Sawgrass Expressway Widening and Interchange Improvements - South of NW 8th Street to North of Commercial Boulevard PD&E in Broward County

  Project Role: PD&E and Public Information Specialist

- **Other National Department of Transportation project experience includes**:
    - FDOT District Six, Resurfacing, Restoration and Rehabilitation (RRR) - US-1/ North Roosevelt Boulevard Key West
    - FDOT District Four, Efficient Transportation Decision Making (ETDM)
    - FDOT District Six, West of I-95 to end of SR 934/1 Way Pair PD&E Study FDOT District Four, NW 138th Street Miami / NW 57th Avenue RRR
    - Connecticut DOT Planning and Environment Linkages (PEL)
    - Virginia DOT 508 compliance verification and updates on drainage

- **2009 – 2016 – Broward Metropolitan Planning Organization (MPO), Broward County, Florida** – While working with the Broward MPO, Ms. Clawges served as the Transportation Disadvantaged Program Manager and a Transportation Planner. In these roles, she facilitated board management, supported public involvement, short range and long-range planning, and contributed to Complete Streets planning. Her additional project and program experience includes developing the first Broward Complete Streets Guidelines, Safe Streets Summit, FDOT Broward A1A Scenic Highway implementation and designation Corridor Management Plan (CMP) Development and managing the Transportation Alternative Program. *Project Role: Transportation Disadvantaged Program Manager and Planner*

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