



CITY OF CORAL GABLES

Transportation Planning and Engineering Consulting Services
RFQ No. 2024-007 | Event No. 39

MARCH 14, 2024





March 14, 2024

City of Coral Gables
224 Catalonia Ave.
Coral Gables, FL 33134

RE: RFQ No. 2024-007 | Event No. 39 Transportation Planning and Engineering Consulting Services

Dear Selection Committee Members,

CHA Consulting, Inc. (CHA) is eager to become your trusted partner in providing **Transportation Planning and Engineering Consulting Services** to the City of Coral Gables.

Our team is committed to responsibly improving the world we live in, and we eagerly seek projects to enhance the communities where we reside and work. CHA will partner with **C.A.P. Engineering, Inc., Chen Moore & Associates, Inc., Longitude Surveyors, LLC (SBE)**, and **Universal Engineering Sciences** and is committed to providing the services as requested in this solicitation ensuring a blend of local insight and nationwide expertise.

With over 1850 employees and a presence across 50+ locations nationwide, CHA has been providing cutting-edge solutions in engineering for 72 years. Our expansive expertise and deep client relationships, coupled with a personalized approach, result in solutions tailored to each project's unique needs.

Our office, located at **8935 NW 35th Lane, Suite 200, Doral, FL 33172**, will serve as the base location for this contract. This strategically positioned office means that we can offer immediate, efficient service for the duration of this contract.

Over time, we have acquired invaluable experience through our direct involvement in the design and management of significant electrical engineering, transportation, and architectural projects. Presently, we maintain active contracts with the City of Coral Gables, City of Doral, City of Miami, City of Miami Beach, FDOT District's I, IV, V and VI, Miami-Dade Water and Sewer Department, and the Miami-Dade Public Works Department. Additionally, we collaborate as subconsultants with various engineering firms. We are proud to highlight our recent selections by the City of Doral, City of Miami Beach, and City of Miami to contribute to their Capital Improvements Program.

CHA is recognized by both Miami-Dade County and FDOT for expertise in **Transportation Planning and Engineering Consulting Services**, as well as water and sewer design, site civil design, and planning. Our competencies also extend to engineering and architectural construction management, roadway construction engineering and inspection (CEI), contract administration, and structural design.

Our team is led by our accomplished project manager, **Jennifer Borges, PE, PTOE, MSEM**, supported by a robust engineering team with decades of collective expertise in a wide range of specializations relevant to this project. The team includes **Antonio Acosta, PE, CGC**, an expert in quality assurance and control; **Carlos Gil-Mera, PE, CGC**, adding depth as principal; **Dima Poe, PE, IMSA II**, specializing in traffic engineering and transportation planning; **Ehsan Doustmohammadi, PhD, PE, PTOE, RSP1**, focused on corridor planning and traffic engineering studies; **Alejandro Leon, PE, MSEM**, leading roadway and drainage design; **Levi Boyle, PE**, our go-to for construction engineering and inspection (CEI) and contract administration; **Lidia Regalado, PE, PMP**, spearheading signalization design; **Mark Cissell, PE**, proficient in signing, pavement marking, and channelization; **Jim Aitken, PE**, known for structural design and miscellaneous structures; **Mony Manoyrine, PE**, our lighting

specialist; **Anna Ingwersen**, leading environmental efforts; **Carlos Mercado, PE, PR, MS**, skilled in material inspection and soil exploration; **Eduardo Suarez, PSM**, concentrating on survey and right-of-way; and **John Gorham, PLA**, for landscape design. This diverse team brings together a comprehensive skill set to address every aspect of the project, ensuring a holistic approach to solving the City's challenges with innovative and effective solutions.

THE CHA ADVANTAGE

A Cohesive, Committed Team.

We bring together a blend of local insight and nationwide expertise in transportation engineering, resulting in the City of Coral Gables receiving top-tier services.

Local Leadership. Our project management team, rooted in the local community, is well-equipped with the resources and readiness to deliver exceptional outcomes.

Electrical Engineering, Instrumentation, and Telemetry Experience. Our professionals are seasoned in electrical engineering, instrumentation, and telemetry.

S/MBE Commitment. Demonstrating our dedication to diversity, we have partnered with Longitude Surveyors, LLC, a small business firms to bolster our capabilities.

Each member's unique expertise is integral to delivering a project that meets the highest standards of quality and innovation. Our team is ready to begin work immediately and is equipped to tackle the project's diverse requirements with precision and excellence.

CHA proposes to apply its extensive experience in transportation engineering and project management to deliver high-quality, sustainable solutions for the City of Coral Gables. Our approach emphasizes innovative design, strategic resource allocation, and a commitment to environmental stewardship. We are poised to exceed the City of Coral Gables' needs for the **Transportation Planning and Engineering Consulting Services** contract.

We welcome members of the city staff to contact us directly if you have any further questions or require any additional information.

Sincerely,



Jennifer Borges, PE, PTOE, MSEM

Project Manager

CHA Consulting, Inc.

O: (786) 257-3076

E: jborges@chasolutions.com



SECTION 1.0

TITLE PAGE, TABLE OF
CONTENTS, REQUIRED FORMS,
AND MINIMUM QUALIFICATION
REQUIREMENTS

TITLE PAGE

CITY OF CORAL GABLES

RFQ No. 2024-007 | Event No. 39

TRANSPORTATION PLANNING AND ENGINEERING CONSULTING SERVICES



SUBMITTED BY:



CHA Consulting, Inc.

8935 NW 35th Lane, Suite 200, Doral, FL 33172

P: (305) 592-7283

CONTACT PERSON:

Jennifer Borges, PE, PTOE, MSEM

Project Manager

CHA Consulting, Inc.

O: (786) 257-3076

E: jborges@chasolutions.com



TABLE OF CONTENTS

Cover Letter

1.0 Title Page, Table of Contents, Required Forms, and Minimum Qualification Requirements.....	6
Title Page	
Table of Contents	
Proposer’s Acknowledgement Form	
Solicitation Submission Check List	
Proposer’s Affidavits E-Verify and Schedules A through H	
Standard Form 330	
Minimum and General Qualification Requirements	
Small Business and Minority Business Enterprise Efforts	
Lobbyist Registration & Oral Presentation Forms	
2.0 Experience and Qualifications	41
Proposer’s Experience and Qualifications	
Key Personnel Experience and Qualifications	
3.0 Project Understanding, Proposed Approach, and Methodology	109
Approach and Methodology	
Workload	
Innovative Initiatives	
Control of Schedule and Budget	
Community and Business involvement	
Ability to work with the City	
4.0 Past Performance and References	140
Project Experience	
Contract List with the City of Coral Gables	
Contact Information List	
Litigation History	
5.0 Agreement Comments	150



SOLICITATION SUBMISSION CHECKLIST

Request for Qualifications (RFQ) No. 2024-007

COMPANY NAME: (Please Print): <u>CHA Consulting, Inc.</u>	
Phone: <u>(305) 592-7283</u>	Email: <u>jborges@chasolutions.com</u>

Please provide the PAGE NUMBER in the blanks provided as to where compliance information is located in your Submittal for each of the required submittal items listed below:

SUBMITTAL - SECTION I: TITLE PAGE, TABLE OF CONTENTS, REQUIRED FORMS, AND MINIMUM QUALIFICATION REQUIREMENTS.

- 1) Title Page: Show the RFQ number and title, the name of your firm, address, telephone number, name of contact person, e-mail address, and date. PAGE # 5
- 2) Provide a Table of Contents in accordance with and in the same order as the respective "Sections" listed below. Clearly identify the material by section and page number. PAGE # 6
- 3) Fill out, sign, and submit the Proposer's Acknowledgement Form. PAGE # 7
- 4) Fill out and submit the Solicitation Submission Check List. PAGE # 8
- 5) Fill out, sign, notarize (as applicable), and submit the Proposer's Affidavits and Schedules A through H. 12
- 6) Fill out, sign, and submit Attachment D - Standard Form 330, Architect-Engineer Qualifications. No response will be considered without this required form. Note: a separate Standard Form 330 is not required of each Sub-Consultant. The Proposer is responsible for filling out this form and including the sub-consultant information in the corresponding areas. PAGE # 25
- 7) Minimum and General Qualification Requirements: submit detailed verifiable information affirmatively documenting compliance with the Minimum and General Qualifications Requirements shown in Section 3. PAGE # 32
- 8) Indicate whether the Proposer is a State of Florida and/or County Certified Small Business or Minority Business Enterprise. If so, indicate the certifying organization or jurisdiction and include a copy of the certification with your submittal. PAGE # 33
- 9) Fill out Employer E-Verify Affidavit PAGE # 11
- 10) Fill out Lobbyist Registration & Oral Registration Forms PAGE# 37

SUBMITTAL - SECTION II: EXPERIENCE AND QUALIFICATIONS

(i) FOR PROPOSER

- 1) Provide a complete history and description of your company, including, but not limited to: the number of years in business, size, number of employees, office location where work is to be performed, copy of applicable licenses/certifications, credentials, capabilities, and capacity to effectively meet the City's needs, relevant experience and proven track record of providing the scope of services as identified in this solicitation to public sector agencies. PAGE # 42
- 2) Provide a statement detailing Proposer's familiarity with permitting agencies and permitting procedures, especially in Miami-Dade County. PAGE # 52
- 3) Provide proof that the firm is licensed, registered and practicing in the State of Florida as an engineering firm, with a valid "Certificate of Authorization". PAGE # 20-22
- 4) Describe the Proposer's expertise and experience in working with other disciplines, including coordination with other planning and engineering professionals and sub-consultants. PAGE # 53-55

(ii) FOR KEY PERSONNEL

- 1) *Utilizing Standard Form SF330, Part I – Section E.*, provide a summary of qualifications, copy of applicable licenses/certifications, and experience, relevant to the scope of work, for all proposed key personnel (including sub-consultants). Include resumes (listing experience, education, licenses/certifications) for your proposed key personnel and specify the role and responsibilities of each team member in providing the services outlined in the RFQ. Provide an organizational chart of all key personnel that will be used. PAGE # 57-107

SUBMITTAL SECTION III: PROJECT UNDERSTANDING, PROPOSED APPROACH, AND METHODOLOGY

- 1) Describe in detail, your approach and methodology to perform the services solicited herein., Include detailed information, as applicable, which addresses, but need not be limited to: Proposer's understanding of the RFQ scope and requirements, strategies for assuring assigned work is completed on time, innovative interaction and communication with the community, City staff, and multiple stakeholders. PAGE # 110-131
- 2) Provide the recent, current, and projected workload of the Proposer and key personnel that will be assigned to the City. Explain how this potential contract will fit into the Proposer's workload. PAGE # 132

The detailed list should include at a minimum the following:

- a. The company/agency
 - b. Dates of services
 - c. Name/Contract # of the project
 - d. Scope
- 3) Describe the Proposer's ability to positively and innovatively move a project from the conceptual stage to a clearly defined project that may be designed and constructed, while minimizing the impact on the community. PAGE # 134
 - 4) Describe the Proposer's ability to provide schedule control, cost control, and quality control for the services requested herein. Provide specific examples of similar initiatives that the Proposer has successfully undertaken with other public entities that were completed on time and within budget. PAGE # 135
 - 5) Describe Proposer's ability to successfully deliver similar projects that have significant community and business involvement. PAGE # 138
 - 6) Describe the Proposer's ability to work with other consultants designated by the City. PAGE # 139

SUBMITTAL SECTION IV: PAST PERFORMANCE AND REFERENCES

- 1) *Utilizing Standard Form SF330, Part I – Section F.*, provide detailed information on five (5) of the Proposer's most recent and relevant projects similar in scope and nature to the services described in the solicitation. Under sub-section 23 – "Project Owner's Information" of Standard Form SF330, include an e-mail address for the "Point of Contact". **Note: Do not include work/services performed for the City of Coral Gables or City employees as references.** PAGE # 140
- 2) List all contracts which the Proposer has performed (past and present) for the City of Coral Gables. The City will review all contracts the Proposer has performed for the City in accordance with Section 4.10 Evaluation of Responses (c) (4) which states the City may consider "Proposer's unsatisfactory performance record, judged from the standpoint of conduct of work, workmanship, progress or standards of performance agreed upon in the Contract as substantiated by past or current work with

the City". PAGE # 148

As such the Proposer must list and describe all work performed for Coral Gables and include for each project:

- a. Name of the City Department for which the services are being performed,
 - b. Scope/description of work,
 - c. Awarded value of the contract/current value
 - d. Effective dates and term of the contract
 - e. City project manager's name and phone number,
 - f. Statement of whether the Proposer was the prime contractor or subcontractor, and
 - g. Results of the project.
- 3) Provide a list with contact information of public sector clients, if any, that have discontinued use of Proposer's services within the past two (2) years and indicate the reasons for the same. The City reserves the right to contact any reference as part of the evaluation process. PAGE # 149
- a. Please identify each incident within the last five (5) years where (a) a civil, criminal, administrative, other similar proceeding was filed or is pending, if such proceeding arises from or is a dispute concerning the Proposer's rights, remedies or duties under a contract for the same or similar type services to be provided under this RFQ (See Affidavit D). PAGE # 149

SUBMITTAL SECTION V: AGREEMENT COMMENTS

- 1) Please follow the instructions as outlined in Section 1.6 Agreement Execution. The acceptance of or any exceptions taken to the terms and conditions of the City's Agreement shall be considered a part of a Proposer's submittal and will be considered by the Evaluation Committee.

-- NOTICE --

BEFORE SUBMITTING YOUR RFQ RESPONSE MAKE SURE YOU:

1. Carefully read and have a clear understanding of the RFQ, including the Scope of Services and enclosed Professional Services Agreement (draft).
2. Carefully follow the Submission Requirements outlined in Section 6 of the RFQ.
3. **Prepare and submit ONE (1) ORIGINAL RESPONSE electronically via INFOR.**
4. Make sure your Response is submitted prior to the submittal deadline. **Late responses will not be accepted.**

FAILURE TO SUBMIT THIS CHECKLIST AND THE REQUESTED DOCUMENTATION MAY RENDER YOUR RESPONSE SUBMITTAL NON-RESPONSIVE AND CONSTITUTE GROUNDS FOR REJECTION. THIS PAGE IS TO BE RETURNED WITH YOUR RESPONSE PACKAGE.



**City of Coral Gables
Finance Department/Procurement Division**

Employer E-Verify Affidavit

By executing this affidavit, the undersigned employer verifies its compliance with F.S. 448.095, stating affirmatively that the individual, firm or corporation has registered with and utilizes the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in F.S. 448.095 which prohibits the employment, contracting or sub-contracting with an unauthorized alien. The undersigned employer further confirms that it has obtained all necessary affidavits from its subcontractors, if applicable, in compliance with F.S. 448.095, and that such affidavits shall be provided to the City upon request. Failure to comply with the requirements of F.S. 448.095 may result in termination of the employer's contract with the City of Coral Gables. Finally, the undersigned employer hereby attests that its federal work authorization user identification number and date of authorization are as follows:

868890

Federal Work Authorization User Identification Number

4/15/2015

Date of Authorization

I hereby declare under penalty of perjury that the foregoing is true and correct.

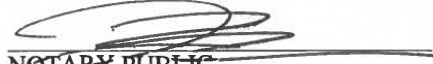
Executed on 2/20/2024 in Albany (city), NY (state).


Signature of Authorized Officer or Agent

Thomas D. Titsworth

Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME
ON THIS THE 20th DAY OF February, 2024.


NOTARY PUBLIC
My Commission Expires:
5/30/2025

JONATHAN HOWARD BARD
NOTARY PUBLIC, STATE OF NEW YORK
Registration No. 02BA6359467
Qualified in Dutchess County
Commission Expires May, 30, 2025

PROPOSER'S AFFIDAVIT

SOLICITATION: RFQ 2024-007 Transportation Planning and Engineering Consulting Services

SUBMITTED TO: City of Coral Gables
Procurement Division
2800 SW 72 Avenue
Miami, Florida 33155

The undersigned acknowledges and understands the information contained in response to this solicitation and the referenced Schedules A through H shall be relied upon by Owner awarding the contract and such information is warranted by the Proposer to be true and correct. The discovery of any omission or misstatements that materially affects the Proposer's ability to perform under the contract shall be cause for the City to reject the solicitation submittal, and if necessary, terminate the award and/or contract. I further certify that the undersigned name(s) and official signatures of those persons are authorized as *(Owner, Partner, Officer, Representative or Agent of the Proposer that has submitted the attached Response)*. Schedules A through H are subject to Local, State and Federal laws (as applicable); both criminal and civil.

- SCHEDULE A – STATEMENT OF CERTIFICATION
- SCHEDULE B – NON-COLLUSION AND CONTINGENT FEE AFFIDAVIT
- SCHEDULE C – DRUG-FREE STATEMENT
- SCHEDULE D – PROPOSER'S QUALIFICATION STATEMENT
- SCHEDULE E – CODE OF ETHICS, CONFLICT OF INTEREST, AND CONE OF SILENCE
- SCHEDULE F – AMERICANS WITH DISABILITIES ACT (ADA)
- SCHEDULE G – PUBLIC ENTITY CRIMES
- SCHEDULE H – ACKNOWLEDGEMENT OF ADDENDA

This affidavit is to be furnished to the City of Coral Gables with its RFQ response. It is to be filled in, executed by the Proposer and notarized. If the response is made by a Corporation, then it should be executed by its Chief Officer. This document MUST be submitted with the response.

 Thomas D. Titsworth Asst. Secretary 2/20/2024
Authorized Name and Signature Title Date



STATE OF New York

COUNTY OF Albany

On this 20th day of February, 20 24, before me the undersigned Notary Public of the State of New York, personally appeared Thomas D. Titsworth
(Name(s) of individual(s) who appeared before Notary

And whose name(s) is/are subscribes to within the instrument(s), and acknowledges it's execution.


NOTARY PUBLIC, STATE OF New York

Jonathan H. Bard
(Name of notary Public; Print, Stamp or Type as Commissioned.)

Personally know to me, or Produced Identification:

N/A (Personally Known)
(Type of Identification Produced)

NOTARY PUBLIC
SEAL OF OFFICE:

JONATHAN HOWARD BARD
NOTARY PUBLIC, STATE OF NEW YORK
Registration No. 02BA6359467
Qualified in Dutchess County
Commission Expires May, 30, 2025

SCHEDULE "A" - CITY OF CORAL GABLES – STATEMENT OF CERTIFICATION

Neither I, nor the firm, hereby represented has:

- a. employed or retained for a commission, percentage brokerage, contingent fee, or other consideration, any firm or person (other than a bona fide employee working solely for me or the Proposer) to solicit or secure this contract.
- b. agreed, as an express or implied condition for obtaining this contract, to employ or retain the services of any firm or person in connection with carrying out the contract, or
- c. paid, or agreed to pay, to any firm, organization or person (other than a bona fide employee working solely for me or the Proposer) any fee, contribution, donation or consideration of any kind for, or in connection with, procuring or carrying out the contract except as here expressly stated (if any):

SCHEDULE "B" - CITY OF CORAL GABLES - NON-COLLUSION AND CONTINGENT FEE AFFIDAVIT

1. He/she is the Representative
(Owner, Partner, Officer, Representative or Agent)

of the Proposer that has submitted the attached response.

- 2. He/she is fully informed with respect to the preparation and contents of the attached response and of all pertinent circumstances respecting such response;
- 3. Said response is made without any connection or common interest in the profits with any other persons making any response to this solicitation. Said response is on our part in all respects fair and without collusion or fraud. No head of any department, any employee or any officer of the City of Coral Gables is directly or indirectly interested therein. If any relatives of Proposer's officers or employees are employed by the City, indicate name and relationship below.

Name: _____ Relationship: _____

Name: _____ Relationship: _____

- 4. No lobbyist or other Proposer is to be paid on a contingent or percentage fee basis in connection with the award of this Contract.

SCHEDULE "C" CITY OF CORAL GABLES – VENDOR DRUG-FREE STATEMENT

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

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

The company submitting this solicitation has established a Drug Free work place program in accordance with State Statute 287.087

SCHEDULE "D" CITY OF CORAL GABLES – PROPOSER'S QUALIFICATION STATEMENT

The undersigned declares the truth and correctness of all statements and all answers to questions made hereinafter:

GENERAL COMPANY INFORMATION:

Company Name: CHA Consulting, Inc.

Address: 8935 NW 35th Lane, Suite 200 Doral FL 33172
Street City State Zip Code

Telephone No: (305) 592-7283 Fax No: () N/A Email: jborges@chasolutions.com

How many years has your company been in business under its present name? 72 Years

If Proposer is operating under Fictitious Name, submit evidence of compliance with Florida Fictitious Name Statute:

Under what former names has your company operated? : See attached list.

At what address was that company located? See attached list.

Is your Company Certified? Yes No If Yes, **ATTACH COPY** of Certification.

Is your Company Licensed? Yes No If Yes, **ATTACH COPY** of License

Has your company or its senior officers ever declared bankruptcy?

Yes No If yes, explain: _____

LEGAL INFORMATION:

Please identify each incident *within the last five (5) years* where a civil, criminal, administrative, other similar proceeding was filed or is pending, if such proceeding arises from or is a dispute concerning the Proposer's rights, remedies or duties under a contract for the same or similar type services to be provided under this RFQ (*A response is required. If applicable please indicate "none" or list specific information related to this question. Please be mindful that responses provided for this question will be independently verified*):

See attached.

Has your company ever been debarred or suspended from doing business with any government entity?

Yes No If Yes, explain _____



SCHEDULE "E" CITY OF CORAL GABLES – CODE OF ETHICS, CONFLICT OF INTEREST, AND CONE OF SILENCE

THESE SECTIONS OF THE CITY CODE CAN BE FOUND ON THE CITY'S WEBSITE, UNDER GOVERNMENT, CITY DEPARTMENT, PROCUREMENT, PROCUREMENT CODE (CITY CODE CHAPTER 2 ARTICLE VIII); SEC 2-1023; SEC 2-606; AND SEC 2-1027, RESPECTIVELY.

IT IS HEREBY ACKNOWLEDGED THAT THE ABOVE NOTED SECTIONS OF THE CITY OF CORAL GABLES CITY CODE ARE TO BE ADHERED TO PURSUANT TO THIS SOLICITATION.

SCHEDULE "F" CITY OF CORAL GABLES - AMERICANS WITH DISABILITIES ACT (ADA) DISABILITY NONDISCRIMINATION STATEMENT

I understand that the above named firm, corporation or organization is in compliance with and agreed to continue to comply with, and assure that any sub-contractor, or third party contractor under this project complies with all applicable requirements of the laws listed below including, but not limited to, those provisions pertaining to employment, provision of programs and service, transportation, communications, access to facilities, renovations, and new construction.

The American with Disabilities Act of 1990 (ADA), Pub. L. 101-336, 104 Stat 327, 42 U.S.C. 12101,12213 and 47 U.S.C. Sections 225 and 661 including Title I, Employment; Title 11, Public Services; Title III, Public Accommodations and Services Operated by Private Entities; Title IV, Telecommunications; and Title V, Miscellaneous Provisions.

The Florida Americans with Disabilities Accessibility Implementation Act of 1993, Sections 5553.501-553.513, Florida Statutes

The Rehabilitation Act of 1973, 229 U.S.C. Section 794

The Federal Transit Act, as amended, 49 U.S.C. Section 1612

The Fair Housing Act as amended, 42 U.S.C. Section 3601-3631

SCHEDULE "G" CITY OF CORAL GABLES - STATEMENT PURSUANT TO SECTION 287.133 (3) (a), FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

1. I understand that a "public entity crime" as define 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 of the United States, including, but not limited to, any Proposal or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
2. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), **Florida Statutes**, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, non-jury trial, or entry of a plea of guilty or nolo contendere.

3. 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 a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

4. I understand that a "person" as defined in Paragraph 287.133(1)(e), **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 Proposals or applies to Proposal on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

5. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. **[Must indicate which statement below applies.]**

Neither the entity submitting this sworn statement, nor 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 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 IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31 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 CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

SCHEDULE "H" CITY OF CORAL GABLES - ACKNOWLEDGEMENT OF ADDENDA

1. The undersigned agrees, if this RFQ is accepted, to enter in a Contract with the CITY to perform and furnish all work as specified or indicated in the RFQ, any associated addendum and Contract Documents within the contract time indicated in the RFQ and in accordance with the other terms and conditions of the solicitation and contract documents.
2. Acknowledgement is hereby made of the following Addenda, if any (identified by number) received since issuance of the Request for Proposal.

Addendum No. 1 Date 02/16/2024 Addendum No. _____ Date _____

Addendum No. 2 Date 02/22/2024 Addendum No. _____ Date _____

Addendum No. 3 Date 03/06/2024 Addendum No. _____ Date _____

Failure to adhere to changes communicated via any addendum may render your response non-responsive.

State of Florida Department of State

I certify from the records of this office that CHA CONSULTING, INC. is a New York corporation authorized to transact business in the State of Florida, qualified on November 17, 2008.

The document number of this corporation is F08000004937.

I further certify that said corporation has paid all fees due this office through December 31, 2024, that its most recent annual report/uniform business report was filed on January 9, 2024, and that its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

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



A handwritten signature in black ink, appearing to be "C. J. Scott", written over a horizontal line.

Secretary of State

Tracking Number: 3152633750CC

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

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

Local Business Tax Receipt

Miami-Dade County, State of Florida
-THIS IS NOT A BILL - DO NOT PAY



7352137

RECEIPT NO.

RENEWAL
7646003

BUSINESS NAME/LOCATION
CHA CONSULTING INC
8935 NW 35TH LN
DORAL, FL 33172-1236

EXPIRES
SEPTEMBER 30, 2024

Must be displayed at place of business
Pursuant to County Code
Chapter 8A – Art. 9 & 10



OWNER
CHA CONSULTING INC
C/O JAMES STEPHENSON PRES
Employee(s) 10

SEC. TYPE OF BUSINESS
212 P.A./CORP/PARTNERSHI
P/FIRM

**PAYMENT RECEIVED
BY TAX COLLECTOR**
45.00 08/31/2023
INT-23-438591

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

The RECEIPT NO. above must be displayed on all commercial vehicles – Miami-Dade Code Sec 8a-276.

For more information, visit www.miamidade.gov/taxcollector



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



Department of Business & Professional Regulation

[HOME](#) [CONTACT US](#) [MY ACCOUNT](#)

ONLINE SERVICES

- [Apply for a License](#)
- [Verify a Licensee](#)
- [View Food & Lodging Inspections](#)
- [File a Complaint](#)
- [Continuing Education Course Search](#)
- [View Application Status](#)
- [Find Exam Information](#)
- [Unlicensed Activity Search](#)
- [AB&T Delinquent Invoice & Activity List Search](#)

LICENSEE DETAILS

10:38:55 AM 10/5/2023

Licensee Information

Name:	CHA CONSULTING, INC. (Primary Name)
Main Address:	575 BROADWAY ALBANY New York 12207
County:	OUT OF STATE

License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	28386
Status:	Current
Licensure Date:	01/29/2009
Expires:	

Special Qualifications Qualification Effective

Alternate Names

- [View Related License Information](#)
- [View License Complaint](#)

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

The State of Florida is an AA/EEO employer. [Copyright 2007-2010 State of Florida. Privacy Statement](#)

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





March 14, 2024

City of Coral Gables
224 Catalonia Ave.
Coral Gables, FL 33134

RE: RFQ No. 2024-007 | Event No. 39 Transportation Planning and Engineering Consulting Services

Dear Selection Committee Members,

CHA was founded in 1952 as a professional engineering firm in Boston, Massachusetts. Originally known as Clarkeson Engineering Company, the firm specialized in traditional civil, transportation and structural engineering. CHA’s founder, John Clarkeson, directed the firm’s original expansion into major civil engineering projects in New England and the Middle Atlantic States. Early projects included the planning of a portion of the “Inner Belt” highway in Boston and the designs of large portions of Interstate 87 in New York, Interstate 93 in New Hampshire, Interstate 95 in Maine, and Interstate 91 in Vermont. CHA has since expanded and diversified, undergoing several name changes:



Since its early days, CHA has successfully grown into a highly diversified, full-service engineering consulting firm working to Responsibly Improve the World We Live In. Located throughout the United States and Canada, CHA provides a wide range of planning and design services to public, private and institutional clients. Markets include aviation, education and sports, environmental, fire protection services, geospatial solutions, government and commercial buildings, manufacturing and energy, PM/CM services, transportation, utility infrastructure, water and wastewater, and architectural services. The firm currently employs a staff of over 1,800 people in 55 offices throughout the United States, and one office in Canada.



March 7th, 2023

City of Coral Gables
224 Catalonia Ave.
Coral Gables, FL 33134

RE: RFQ No. 2024-007 | Event No. 39 Transportation Planning and Engineering Consulting Services

Dear Selection Committee Members,

CHA is a large professional engineering firm with more than 1,800 professional staff and 55 offices throughout the United States and Canada. CHA performs thousands of projects each year. For a firm of its size and diversity, CHA's involvement in legal claims and lawsuits is remarkably infrequent, due chiefly to its competent and well-trained staff and its rigorous and comprehensive Quality Management System.

CHA has not been involved in any criminal matters nor had any disciplinary sanctions imposed against the firm or any of its officers. Nor has the firm had any civil judgments entered against it. However, claims against CHA do occur, and CHA has, over the past 5 years, been involved in ordinary civil litigation in the course of its business.

CHA is confident in its ability to successfully defend, or settle on favorable terms, all such outstanding claims. Furthermore, for the protection of CHA and its clients, CHA always maintains a comprehensive insurance program that includes professional liability, workers' compensation, comprehensive general liability, automobile, and umbrella policies, with limits sufficient to cover the defense and payment of all outstanding claims against CHA.

In the opinion of CHA's management, no claim or lawsuit currently pending against CHA will materially affect CHA's ability to perform any ongoing or potential future project.

ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

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

Transportation Planning and Engineering Consulting Services, Coral Gables, FL

2. PUBLIC NOTICE DATE

February 2nd, 2024

3. SOLICITATION OR PROJECT NUMBER

RFQ No. 2024-007 | Event No. 39

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Jennifer Borges, PE, PTOE, MSEM, Project Manager

5. NAME OF FIRM

CHA Consulting, Inc.

6. TELEPHONE NUMBER

(786) 257-3076

7. FAX NUMBER

N/A

8. EMAIL ADDRESS

jborges@chasolutions.com

C. PROPOSED TEAM

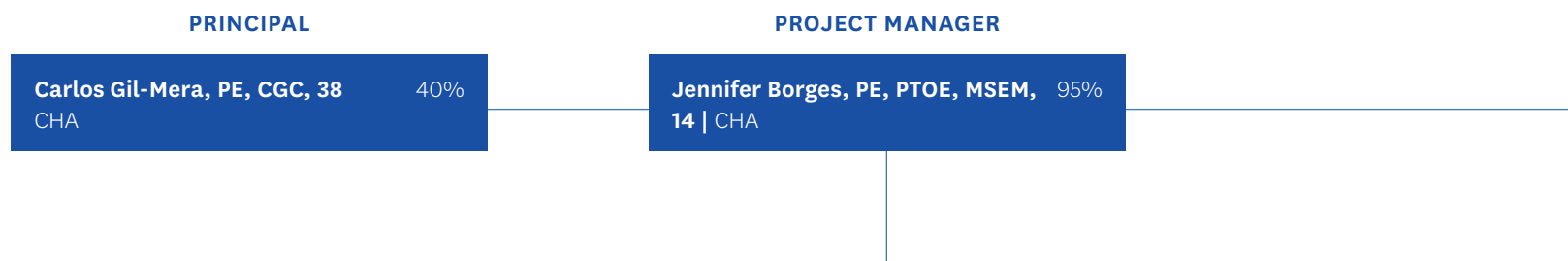
(Complete this section for the prime contractor and all key subcontractors.)

	<i>(Check)</i>			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	JV PARTNER	SUBCONTRACTOR			
a.	<input checked="" type="checkbox"/>			CHA Consulting, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	8935 NW 35th Lane, Suite 200 Doral, FL 33172	Traffic engineering and transportation planning, roadway and drainage design, contract administration, construction engineering inspection (CEI), structural design, corridor planning, miscellaneous structures, signing, pavement marking, channelization, lighting, signalization, and traffic engineering studies.
b.			<input checked="" type="checkbox"/>	C.A.P. Engineering, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	343 Almeria Avenue Coral Gables, FL 33134	Roadway and drainage design, contract administration, CEI, traffic engineering and transportation planning, corridor planning, traffic engineering studies, signing, pavement marking, and channelization.
c.			<input checked="" type="checkbox"/>	Chen Moore & Associates, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	3150 SW 38th Avenue, Suite 950 Miami, FL 33146	Landscape design.
d.			<input checked="" type="checkbox"/>	Longitude Surveyors, LLC <input type="checkbox"/> CHECK IF BRANCH OFFICE	7700 N. Kendall Drive, Suite 705 Miami, FL 33156	Survey and right-of-way.
e.			<input checked="" type="checkbox"/>	Universal Engineering Sciences <input type="checkbox"/> CHECK IF BRANCH OFFICE	8050 NW 77th Ct. Medley, FL 33166	Material inspection and soil exploration.

CITY OF CORAL GABLES

- TEAM:**
- CHA** CHA Consulting, Inc.
 - CAP** C.A.P. Engineering, Inc.
 - CMA** Chen Moore & Associates, Inc.
 - LS** Longitude Surveyors, LLC **(SBE)**
 - UES** Universal Engineering Sciences

LEGEND:
 Years of Experience: Staff Name, YOY
 Availability: XX%



QA/QC TEAM		
Antonio Acosta, PE, CGC, 39 CHA	QA/QC Manager	40%
Eithel Sierra, PE, 29	Roadway and S&PM	60%
Michael Culmo, PE, 40	Structures	50%
Eduardo Martinez, PE, 45	Lighting	40%
Elio R. Espino, PE, PhD, 27	Traffic & Signals	60%
Anelio Alfonso, PE, 39	Drainage	60%

Our team has been built to provide the department with an extraordinary blend of engineering expertise, Florida project history, and personalized service.



Our Project Manager, **Jennifer Borges, PE, PTOE, MSEM**, will serve as the city's direct day-to-day contact. She has assigned the most qualified project team for the scope of services identified in your RFP.

Each of our team members were specifically selected to assist in the successful completion of all unique challenges and project needs for the duration of the contract

TRAFFIC ENGINEERING AND TRANSPORTATION PLANNING	CORRIDOR PLANNING & TRAFFIC ENGINEERING STUDIES	ROADWAY AND DRAINAGE DESIGN	SIGNALIZATION
Dima Poe, PE, IMSA II, 15 50% CHA	Ehsan Doustmohammadi, PhD, PE, PTOE, RSP1, 17 CHA 75%	Alejandro Leon, PE, MSEM, 17 50% CHA	Lidia Regalado, PE, PMP, 17 65% CHA
Sonia Shreffler-Bogart, PE, PTOE, 35 CHA 65%	Andrew N. Panek, MS, PE, 9 95% CHA	<i>ROADWAY</i> Victor Venezia, PE, 5 50% CHA	Hector Vargas, EI, IMSA II, 5 70% CHA
Javier Rodriguez, EI, IMSA II, 4 60% CHA	Leevenson Calixte, EI, 2 45% CHA	Michael Perez-Cea, PE, 5 50% CHA	Juan Peña, EI, IMSA II, 41 70% CHA
Eugene Collings-Bonfill, PE, 15 65% CAP	Eugene Collings-Bonfill, PE, 15 65% CAP	Eugene Collings-Bonfill, PE, 15 65% CAP	
SIGNING, PAVEMENT MARKING, AND CHANNELIZATION	STRUCTURAL DESIGN & MISCELLANEOUS STRUCTURES	<i>DRAINAGE & PERMITTING</i>	CEI & CONTRACT ADMINISTRATION
Mark Cissell, PE, 26 50% CHA	Jim Aitken, PE, 30 50% CHA	Angela Baron-Ruiz, PE, ENV SP, 16 CHA 65%	Levi Boyle, PE, 11 50% CHA
Michael Perez-Cea, PE, 5 60% CHA	Adrian Alfonso, PE, 10 60% CHA	Rocio Trimino-Gort, EI, 4 65% CHA	Rhonda Griffiths, MCM, 24 60% CHA
Kevin Hernandez, 3 60% CHA	Roberto Gonzalez, PE, 6 50% CHA	Miguel A. Lockward, PE, 5 95% CAP	Jose Castellanos, 4 60% CHA
Issac Villanueva, EI, <1 65% CAP	ENVIRONMENTAL	<i>UTILITY COORDINATION</i>	Lazaro Pedroso, 17 60% CHA
SURVEY & RIGHT-OF-WAY	Anna Ingwersen, 28 70% CHA	Lissette Guon, EI, 22 75% CHA	Rolando Alvarez, EI, 10 80% CAP
Eduardo Suarez, PSM, 38 65% LS	LANDSCAPE DESIGN	Nereyda Mesa, 26 80% CHA	MATERIAL INSPECTION & SOIL EXPLORATION
John Adler, PSM, 43 65% LS	John Gorham, PLA, 39 65% CMA	LIGHTING	Carlos Mercado, PE, PR, MS, 31 60% UES
Daryll Hauser, PSM, 31 65% LS	Eric Harrison, PLA, 21 50% CMA	Mony Manoyrine, PE, 32 60% CHA	Alberto Mercado, PE, 6 60% UES
		David Sigler, EI, 8 60% CHA	Edwin Oviedo Granatty, 5 60% UES
		Ricardo Batista, EI, 9 60% CHA	

! Our key staff resumes and CHA's project experience details can be found on pages 57 and 141, respectively.

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)
RFQ No. 2024-007 | Event No. 39

PART II – GENERAL QUALIFICATIONS

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


2a. FIRM (OR BRANCH OFFICE) NAME CHA Consulting, Inc.			3. YEAR ESTABLISHED 2022	4. UNIQUE ENTITY IDENTIFIER 00-933-5857
2b. STREET 8935 NW 35th Lane, Suite 200			5. OWNERSHIP	
2c. CITY Doral	2d. STATE FL	2e. ZIP CODE 33172	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Jennifer Borges, PE, PTOE, MSEM			b. SMALL BUSINESS STATUS No	
6b. TELEPHONE NUMBER (786) 257-3076		6c. E-MAIL ADDRESS jborges@chasolutions.com		
8a. FORMER FIRM NAME(S) (If any)			8b. YR. ESTABLISHED	8c. DUNS NUMBER
Clarkeson Engineering Co., Inc., 1952 Clarkeson, Clough, Yokel, 1966 Clough Associates, 1971 Clough Harbour & Associates LLP, 1990		John Clarkeson, Consulting Eng., 1955 Clarkeson & Clough Associates, 1967 Clough, Harbour & Associates, 1981 CHA, Inc., 2008	1952	058647470

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
NA	Airport Engineers	19	1	A05	Airports; Nav aids; Airport Lighting; Aircraft	6
06	Architects	25	2	A06	Airports; Terminals; & Hangers; Freight	6
12	Civil Engineers	128	5	C15	Construction Management	5
15	Construction Inspector	92	6	D02	Dams (Earth; Rock); Dikes; Levees	2
21	Electrical Engineers	143	10	E02	Educational Facilities; Classrooms	6
23	Environmental Engineer	28	3	E07	Energy Conservation; New Energy Sources	4
24	Environmental Scientist	40	6	E09	Environmental Impact Studies, Assessments or	5
25	Fire Protection Engineer	18	1	F03	Fire Protection	9
27	Foundation/Geotechnical Engineer	7	1	H04	Heating, Ventilating, Air Conditioning	4
30	Geologist	5	2	H07	Highways; Streets; Airfield Paving; Parking Lots	8
35	Industrial Engineers	2		I06	Irrigation; Drainage	4
38	Land Surveyor	20		L03	Landscape Architecture	4
39	Landscape Architects	15		L06	Lighting (Exteriors; Street; Memorials; Athletic	3
42	Mechanical Engineers	111	4	P06	Planning (Site, Installation and Project)	6
52	Sanitary Engineers	13		P12	Power Generation, Transmission, Distribution	6
54	Security Specialists	7		R06	Rehabilitation (Buildings; Structures; Facilities)	6
57	Structural Engineers	76	5	S04	Sewage Collection, Treatment & Disposal	8
58	Technician/Analyst	159	15	S05	Soils & Geologic Studies; Foundations	3
60	Transportation Engineers	147	27	S07	Solid Wastes; Incineration; Landfill	4
62	Water Resource Engineer	42	6	S09	Structural Design; Special Structures	5
	Other Employees	663	48	S10	Surveying; Platting; Mapping; Flood Plain	5
	Total	1760	142	W03	Water Supply; Treatment and Distribution	8

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE 02/29/2024
c. NAME AND TITLE Michael A. Platt, Executive Vice President & Secretary	

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

2024-007

PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (or Branch Office) NAME Universal Engineering Sciences			3. YEAR ESTABLISHED 1966	4. UNIQUE ENTITY IDENTIFIER 59-1117804
2b. STREET 8050 NW 77th Ct			5. OWNERSHIP	
2c. CITY Medley			2d. STATE FL	2e. ZIP CODE 33166
6a. POINT OF CONTACT NAME AND TITLE Abel Borges - Branch Manager			a. TYPE Limited Liability Company	
6b. TELEPHONE NUMBER 305-249-8434			b. SMALL BUSINESS STATUS N/A	
6c. EMAIL ADDRESS aborges@teamues.com			7. NAME OF FIRM (If Block 2a is a Branch Office) N/A	

8a. FORMER FIRM NAME(S) (If any) Universal Engineering Testing Company	8b. YEAR ESTABLISHED 1964	8c. UNIQUE ENTITY IDENTIFIER 59-1117804
---	------------------------------	--

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	354	19	A10	Asbestos Abatement/Services	5
48	Project Manager	100	7	E09	Environmental Impact Studies	6
07	Biologist	0	0	E12	Environmental Remediation	5
08	CADD Technician	10	0	E13	Environmental Testing & Analysis	5
12	Civil Engineer	0	0	F05	Forensic Engineering	4
15	Construction Inspector	302	12	H03	Haz/Toxic Waste Remediation	5
18	Estimator	4	1	S05	Soils&GeologicStudies/Foundation	8
23	Environmental Engineer	0	0	T02	Testing & Inspection Services	9
24	Environmental Scientist	45	1	W02	Water Resources&Ground Water	4
26	Forensic/Geo Engineer	0	0	C08	Code Compliance & Threshold Ins	6
27	Foundation/Geo Engineer	95	2			
30	Geologist	17	0			
34	Hydrologist	0	0			
36	Industrial Hygienist	3	0			
40	Material Engineer	0	0			
55	Soils Engineer	44	0			
57	Structural Engineer	5	0			
	Engineering Tech I & II	330	24			
	Lab Technicians/Supervisor	173	5			
	Driller	110	3			
	Other Employees	503	10			
Total		2,095	84			

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE 2-27-2024
c. NAME AND TITLE Abel Borges, Branch Manager	

MINIMUM AND GENERAL QUALIFICATION REQUIREMENTS

Team Capacities

CHA has teamed up with several trusted, local, and professional firms who also have a track record of exceptional service. Our team has been actively and continuously engaged in the business of providing services that are similar in scope and size to those described in the RFQ’s “Scope of Services.” The full team is ready to serve the city in all the capacities required in this contract.

- ✓ *Traffic Engineering and Transportation Planning*
- ✓ *Roadway and Drainage Design*
- ✓ *Contract Administration*
- ✓ *CEI*
- ✓ *Material Inspection*
- ✓ *Landscape Design*
- ✓ *Structural Design*
- ✓ *Corridor Planning*
- ✓ *Miscellaneous Structures*
- ✓ *Signing, Pavement*
- ✓ *Marking, and Channelization*
- ✓ *Lighting*
- ✓ *Signalization*
- ✓ *Control Surveying*
- ✓ *Design, Right of Way,*
- ✓ *Construction Surveying*
- ✓ *Soil Exploration*
- ✓ *Landscape Architecture*
- ✓ *Traffic Engineering Studies*

Licenses and Registration

CHA is fully licensed, registered, and actively practicing in the State of Florida as an engineering firm. We hold a valid “Certificate of Authorization” in accordance with Section 471.023 of the Florida Statute. This certification underscores our compliance with the regulatory requirements set forth by the state for engineering firms, affirming our legal and professional eligibility to offer and carry out engineering services within the state of Florida.

! Find a copy of CHA’s Florida Business Certificate and Professional Engineering License on the following pages.

Key Personnel

CHA is in compliance with the qualifications for key personnel as detailed in the Request for Qualifications, including roles within design services, project management, and CEI. Each member has been carefully selected based on their extensive experience, professional certifications, and advanced degrees relevant to their roles, ensuring the highest standards of project execution and management. CHA’s commitment to excellence is underscored by our team’s capability to deliver superior service and achieve the project’s objectives efficiently and effectively.

State of Florida Department of State

I certify from the records of this office that CHA CONSULTING, INC. is a New York corporation authorized to transact business in the State of Florida, qualified on November 17, 2008.

The document number of this corporation is F08000004937.

I further certify that said corporation has paid all fees due this office through December 31, 2024, that its most recent annual report/uniform business report was filed on January 9, 2024, and that its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

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



A handwritten signature in black ink, appearing to be "C. J. Scott", written over a horizontal line.

Secretary of State

Tracking Number: 3152633750CC

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

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

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



[HOME](#) [CONTACT US](#) [MY ACCOUNT](#)

ONLINE SERVICES

- [Apply for a License](#)
- [Verify a Licensee](#)
- [View Food & Lodging Inspections](#)
- [File a Complaint](#)
- [Continuing Education Course Search](#)
- [View Application Status](#)
- [Find Exam Information](#)
- [Unlicensed Activity Search](#)
- [AB&T Delinquent Invoice & Activity List Search](#)

LICENSEE DETAILS

10:38:55 AM 10/5/2023

Licensee Information

Name:	CHA CONSULTING, INC. (Primary Name)
Main Address:	575 BROADWAY ALBANY New York 12207
County:	OUT OF STATE

License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	28386
Status:	Current
Licensure Date:	01/29/2009
Expires:	

Special Qualifications **Qualification Effective**

--

Alternate Names

--

- [View Related License Information](#)
- [View License Complaint](#)

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

The State of Florida is an AA/EEO employer. [Copyright 2007-2010 State of Florida. Privacy Statement](#)

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



SMALL BUSINESS AND MINORITY BUSINESS ENTERPRISE EFFORTS

While our firm is not currently a certified small or minority business enterprise (S/MBE), we are fully committed to supporting the objectives of the Florida Small and Minority Business Assistance Act of 1985 under the Florida Statutes 287.0945 and meeting the City of Coral Gables procurement efforts. In the past, we have meet and exceed the goals for S/MBE participation in our contracts, and we plan to keep doing so, to ensure that we contribute positively to the state’s S/MBE procurement targets.

For this contract we have partnered with Longitude Surveyors, LLC, in a way to promote opportunities for small and minority firms wherever possible.

CHA has been and will continue to be, implementing our Equal Business Opportunity (EBO) Plan for teaming with small and minority firms in a continuous effort to achieve contracting diversity and we plan to remain dedicated to promoting diversity and inclusiveness within our operations and through our partnerships.



| Longitude's SBE Certificate



Internal Services Department
Small Business Development
111 NW 1 Street, 19th Floor
Miami, Florida 33128
T 305-375-3111
F 305-375-3160

March 14, 2023

Eduardo Suarez
LONGITUDE SURVEYORS, LLC
7700 N. Kendall Drive
Suite 705
Miami, FL 33156

Approval Date: November 5, 2021 Small Business Enterprise - Architectural & Engineering (SBE-A&E)
Expiration Date: November 30, 2024

Dear Eduardo Suarez,

Miami-Dade County Small Business Development (SBD), a division of the Internal Services Department (ISD), has completed the review of your application and attachments submitted for certification. Your firm is officially certified as a Miami-Dade County Small Business Enterprise. The Small Business Enterprise (SBE) programs are governed by Sections 2-8.1.1.1.1; 2-8.1.1.1.2; 2-10.4.01; 10-33.02 of Miami-Dade County's Codes. This Small Business Enterprise - Architectural & Engineering (SBE-A&E) certification is valid for three (3) years. However, to validate continuing eligibility, SBD may conduct random audit(s) within the three (3) year certification period. **Failure to provide required documentation for a random audit will initiate the decertification process.**

At the time of expiration, your firm will submit a Re-certification Application at least one hundred and eighty (180) days, but not less than, ninety (90) days, prior to the end of the three (3) year certification term via the County's web-based system, Business Management Workforce System (BMWS). This will ensure sufficient time for process by SBD. **Failure to provide the re-certification application and required supporting documentation will initiate the decertification process.**

If at any time there is a material or business structure change in the firm including, but not limited to, ownership, officers, director, scope of work being performed, daily operations, affiliations(s) with other businesses or the physical location of the firm, you must notify this office within thirty (30) calendar days of the effective date of the change(s) via the BMWS. Notification should include supporting documentation. You will receive timely instructions from this office as to how you should proceed, if necessary. **Failure to notify SBD of any changes may result in immediate action to decertify the firm.**

This letter will be the only approval notification issued for the duration of your firm's three-year certification. If the firm attains graduation or becomes ineligible during the three-year certification period, you will be properly notified following an administrative process that your firm's certification has been removed pursuant to the code. Your firm's name and tier level will be listed in the directory for all SBE certified firms, which can be accessed through Miami-Dade County's SBD website: <https://www.miamidade.gov/global/business/smallbusiness/home.page>. The categories as listed below affords you the opportunity to bid and participate on contracts with Small Business Enterprise measures.

It is strongly recommended that you register your firm as a bidder with Miami-Dade County. To register, you may visit: <https://www.miamidade.gov/global/business/procurement/home.page>. Thank you for your interest in doing business with Miami-Dade County. If you have any questions or concerns, you may contact our office at 305-375-3111 or via email at sbdcert@miamidade.gov.

Sincerely,

Jeanise Cummings-Labossiere
Section Chief, Small Business Development

CATEGORIES: (Your firm may bid or participate on contracts only under these categories)
MDC-TCC 15-01: SURVEYING AND MAPPING - LAND SURVEYING
MDC-TCC 15-02: AERIAL PHOTOGRAMMETRY
MDC-TCC 15-03: UNDERGROUND UTILITY LOCATION
NAICS 541370: SURVEYING AND MAPPING (EXCEPT GEOPHYSICAL) SERVICES

CITY OF CORAL GABLES
FINANCE DEPARTMENT/PROCUREMENT DIVISION
LOBBYIST REGISTRATION FORM

SOLICITATION NAME/NUMBER: Transportation Planning and Engineering Consulting Services | RFQ No. 2024-007 | Event No. 39

The Bidder/Proposer certifies that it understands if it has retained a lobbyist(s) to lobby in connection with this specific competitive solicitation that each lobbyist retained has timely filed the registration or amended registration required under the City of Coral Gables Lobbyist Registration requirement pursuant to Ordinance 2021-24 as outlined below:

Lobbyist means an individual, firm, corporation, partnership, or other legal entity employed or retained, whether paid or not, by a principal, or that contracts with a third-party for economic consideration to perform lobbying activities on behalf of a principal.

Lobbying activity means any attempt to influence or encourage the passage or defeat of, or modification to, governmental actions, including, but not limited to, ordinances, resolutions, rules, regulations, executive orders, and procurement actions or decisions of the city commission, the mayor, any city board or committee, or any city personnel. The term "lobbying activity" encompasses all forms of communication, whether oral, written, or electronic, during the entire decision-making process on actions, decisions, or recommendations which foreseeably will be heard or reviewed by city personnel. This definition shall be subject to the exceptions stated below.

Procurement matter means the city's processes for the purchase of goods and services, including, but not limited to, processes related to the acquisition of: technology; public works; design services; construction, professional architecture, engineering, landscape architecture, land surveying, and mapping services; the purchase, lease or sale of real property; and the acquisition, granting, or other interest in real property.

City personnel means those city officials, officers and employees who are entrusted with the day-to-day policy setting, operation, and management of certain defined city functions or areas of responsibility, even though ultimate responsibility for such functions or areas rests with the city commission, with the exception of the City Attorney, Deputy City Attorney, and Assistant City Attorneys, advisory personnel (members of city advisory boards and agencies whose sole or primary responsibility is to recommend legislation or give advice to the city commission); and any employee of a city department or division with the authority to participate in procurement matters, when the communication involves such procurement.

Affidavit requirement. The following provisions shall apply to certain individuals who, in procurement matters participate in oral presentations or recorded negotiation meetings and sessions:

- a. The principal shall list on an affidavit form, provided by the City, all technical experts or employees of the principal whose normal scope of employment does not include lobbying activities and whose sole participation in the city procurement matter involves an appearance and participation in a city procurement matter involves an appearance and participation in an oral presentation before a city certification, evaluation, selection, technical review or similar committee, or recorded negotiation meetings or sessions.
- b. No person shall appear before any procurement committee or at any procurement negotiation meeting or session on behalf of a principal unless he/she has been listed as part of the principal's presentation or negotiation team or has registered as a lobbyist. For purposes of this subsection only, the listed members of the oral presentation or negotiation team shall not be required to separately register as lobbyists or pay any registration fees. The affidavit will be filed by the city procurement staff with the city clerk at the after the proposal is submitted or prior to the recorded negotiation meeting or session. Notwithstanding the foregoing, any person who engages in lobbying activities in addition to appearing before a procurement committee to make an oral presentation, or at a recorded procurement negotiation meeting or session, shall comply with all lobbyist registration requirements.

The Bidder/Proposer hereby certifies that: (select one)

It has not retained a lobbyist(s) to lobby in connection with this competitive solicitation; however, if one is retained anytime during the competitive process and prior to contract execution for this project, the lobbyist will properly register with the City Clerk's Office within two (2) business days of being retained with copy to the city procurement staff.

It has retained a lobbyist(s) to lobby in connection with this competitive solicitation and certified that each lobbyist retained has timely filed the registration or amended registration required under the City of Coral Gables

CITY OF CORAL GABLES
FINANCE DEPARTMENT/PROCUREMENT DIVISION
LOBBYIST REGISTRATION FORM

Lobbyist Registration requirement pursuant to Ordinance 2021-24 Section and that the required affidavit has been properly filed

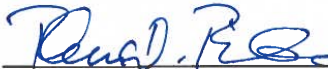
It is a requirement of this solicitation that the following information be provided for all lobbyists retained to lobby in connection with this solicitation be listed below:

Name of Lobbyist: _____
Lobbyist's Firm (if applicable): _____
Phone: _____
E-mail: _____

Name of Lobbyist: _____
Lobbyist's Firm (if applicable): _____
Phone: _____
E-mail: _____

Name of Lobbyist: _____
Lobbyist's Firm (if applicable): _____
Phone: _____
E-mail: _____

Name of Lobbyist: _____
Lobbyist's Firm (if applicable): _____
Phone: _____
E-mail: _____

Authorized Signature: 
Printed Name: Thomas D. Titworth
Date: February 20, 2024
Title: Assistant Secretary
Bidder/Proposer Name: CHA Consulting, Inc.



CITY OF CORAL GABLES
 FINANCE DEPARTMENT/PROCUREMENT DIVISION

LOBBYIST AFFIDAVIT

Transportation Planning and Engineering Consulting Services | RFQ No. 2024-007 | Event No. 39

Solicitation Name/Number: _____

The following provisions shall apply to certain individuals who, in procurement matters participate in oral presentations or recorded responsiveness, responsibility or negotiation meetings and sessions:

a. The principal shall list below all technical experts or employees of the principal whose normal scope of employment does not include lobbying activities and whose sole participation in the city procurement matter involves an appearance and participation in an oral presentation before an evaluation, selection, technical review or similar committee, or recorded responsiveness, responsibility or negotiation meetings or sessions.

b. No person shall appear before any procurement committee or at any procurement responsiveness, responsibility or negotiation meeting or session on behalf of a principal unless he/she has been listed as part of the principal's team pursuant to this affidavit or has registered as a lobbyist. For purposes affidavit only, the listed members of the oral presentation or negotiation team shall not be required to separately register as lobbyists or pay any registration fees.

This affidavit will be provided by the city procurement staff to the city clerk after the proposal is submitted or prior to the oral presentation. Any changes after the original affidavit is submitted by the proposer and prior to the oral presentations, an updated copy shall be presented to the Procurement Division and the City Clerk at least twenty-four (24) hours prior scheduled time for the oral presentation session. Notwithstanding the foregoing, any person who engages in lobbying activities in addition to appearing before a procurement committee to make an oral presentation, or at a recorded procurement negotiation meeting or session, shall comply with all lobbyist registration requirements.

List of employees & technical experts:

NAME	TITLE	ROLE	COMPANY/FIRM
Jennifer Borges, PE, PTOE, P	Senior Project Manager 1	Project Manager	CHA Consulting, Inc.
Elio Espino, PhD, PE	Senior Principal Engineer	QA/QC Engineer for Traffic	CHA Consulting, Inc.
Dima Poe, PE	Sr. Traffic/TSM&O Engineer	Traffic Engineering Lead	CHA Consulting, Inc.
Alejandro Leon, PE	Section Manager II	Roadway and Drainage Lead	CHA Consulting, Inc.
Miguel Lockward, PE	Water/Sewer Project Manager	Water/Sewer Engineer	CAP Engineering
Eugene Collins Bonfill, PE	Director of Engineering	Roadway/S&PM	CAP Engineering



CITY OF CORAL GABLES
FINANCE DEPARTMENT/PROCUREMENT DIVISION

LOBBYIST AFFIDAVIT

I do solemnly swear that all of the foregoing information is true and correct and I will fully comply with requirements of this affidavit and the associated City of Coral Gables Lobbyist Registration requirement pursuant to Ordinance 2021-24 Section.

Authorized Signature: [Signature]
Printed Name: **Thomas D. Titsworth** Title: **Assistant Secretary**

Date: 02/27/2024
Bidder/Proposer's Name: CHA Consulting, Inc.

NOTARY PUBLIC

STATE OF New York
COUNTY OF Albany

On this 27th day of February, 2024, before me the undersigned Notary Public of the State of New York, personally appeared Thomas D. Titsworth (Name(s) of individual(s) who appeared before Notary

And whose name(s) is/are subscribed to within the instrument(s), and acknowledges it's execution.

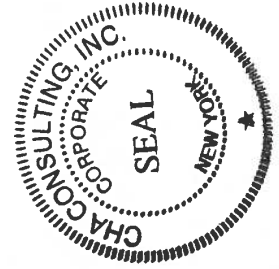
[Signature]
NOTARY PUBLIC, STATE OF New York

Jonathan H. Bard (Name of notary Public; Print, Stamp or Type as Commissioned.)

SEAL OF OFFICE:

Personally know to me, or Produced

Identification:
Personally Known
(Type of Identification Produced)



JONATHAN HOWARD BARD
NOTARY PUBLIC, STATE OF NEW YORK
Registration No. 02BA6359467
Qualified in Dutchess County
Commission Expires May 30, 2025



SECTION 2.0

EXPERIENCE AND
QUALIFICATIONS



FINDING A BETTER WAY.



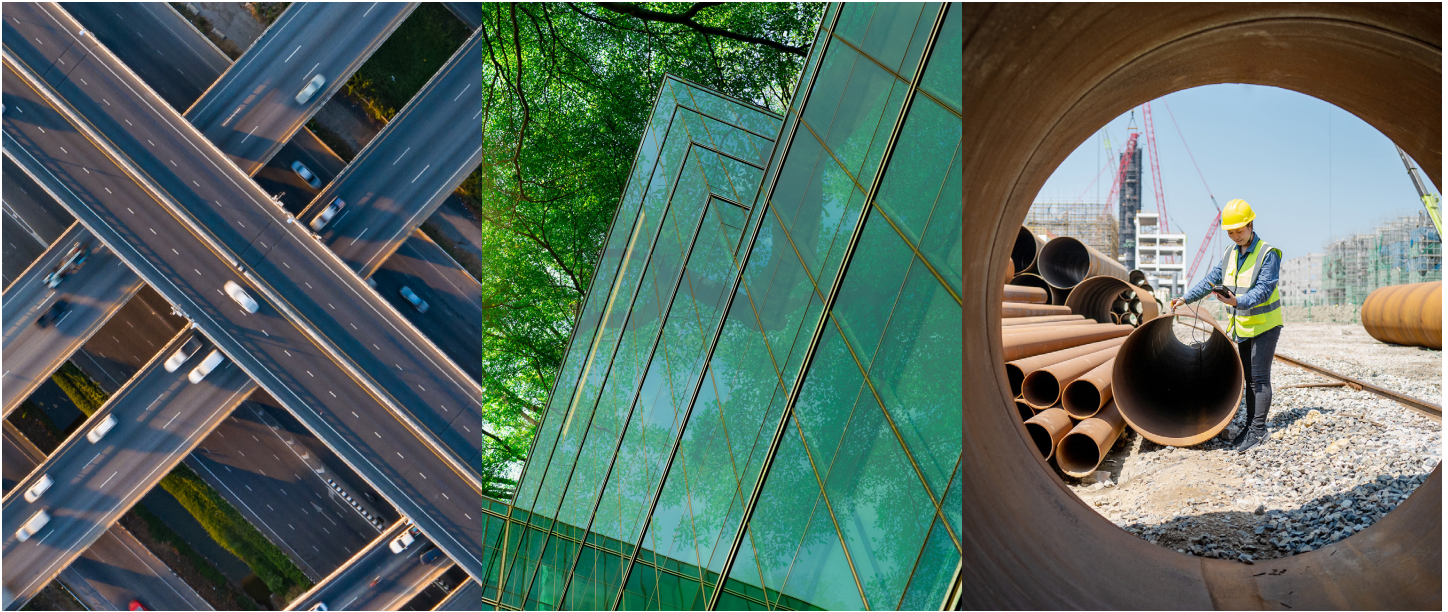
CHA Consulting, Inc. (CHA) is an innovative, full-service engineering, design, consulting, and program/construction management firm providing a wide range of technology-enhanced services to public, private, and institutional clients.

We are focused on delivering sustainable, integrated solutions to the world's most challenging infrastructure projects across utilities, transportation, water, and other critical commercial and industrial end-markets.

We believe in the power of clean water, resilient energy, safe roads, and structures that harmoniously blend with their surroundings. We are driven to help people live their best lives and give communities the tools to thrive. From the first spark of an idea to the final reveal and beyond, our full-service solutions allow us to solve complex challenges and keep us connected to our clients' unique needs. Whether it's the smallest details, the multidisciplinary mega project or anywhere in between, we have you covered.

Our team of diverse professionals offers a wide range of expertise, allowing us to work together toward a collective goal of delivering projects through resilient, sustainable and technology-driven solutions that leave a lasting impact on communities.

Whatever challenge you face, big or small, we are pushing ourselves to think differently. Spanning sectors. Crossing markets. Connecting communities. Because it all comes down to **creating solutions**. We're here for you, with you and dedicated to you, always focused on **helping people**. Making life better is why we're here, working every day to **improve our world**.



ENR
 ENGINEERING NEWS-RECORD
TOP FIRM
 #69 OF TOP 500
DESIGN FIRMS
 #52 OF TOP 100
PURE DESIGNERS

Working across Markets to improve our world: Commercial, Education, Government, Manufacturing, Transportation, Utility and Water Resources.

Innovative solutions provide a world of possibility.
 Aviation | Building Design | Design-Build | Digital Solutions | Environmental & Sustainability Solutions | Fire Protection | Grid Resiliency & Energy Transition Solutions | Land Development | Manufacturing & Advanced Technology Facilities | Net Zero Building Solutions | Program & Owner's Project Management | Sports Facility Design | Transportation | Water/Wastewater/Sewer

OUR RESPONSIBILITY

We are committed to the values of inclusion, diversity and equality, and the full participation of all people. These are core company values at the heart of who we are as an organization. CHA has and will continue to embrace and celebrate the diversity of voices our employees, clients, partners, and communities represent.

Our commitment to sustainability comes through in the work we do, in the communities we build, and as we work to create a better, more sustainable workplace. Our diversification across markets, geographies, and the services we provide has driven our success.

Our robust health and safety program empowers our people to take ownership of safety through education and access to the best safety tools. Our “people first” approach instills a culture of health and safety that minimizes the risk of workplace incidents, injuries and exposure to hazards for our employees, partners and the public. Proactive engagement to health and safety permeates throughout all levels of our organization.

72
 YEARS OF SERVICE

50+
 LOCATIONS ACROSS
 THE COUNTRY

1850+
 DEDICATED PROFESSIONALS

To learn more about CHA, reach out to us at
 (800) 836-0817 or visit [CHASOLUTIONS.COM](https://www.chasolutions.com).

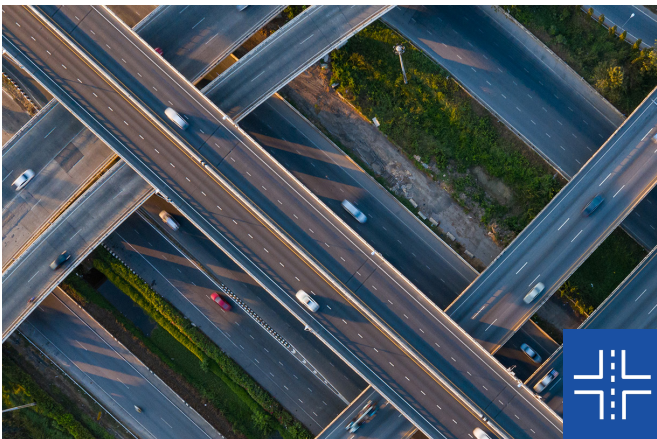


PROPOSER’S EXPERIENCE AND QUALIFICATIONS

CHA has cemented its position as a leading multi-disciplinary consulting engineering firm. Our office in Miami-Dade County, located at **8935 NW 35th Lane, Suite 200, Doral, FL 33172**, specializes in a wide array of services crucial for the success of this contract, including but not limited to roadway design, traffic engineering, drainage design, and structural design.

With a team rooted in South Florida for over 25 years, includes over 40 transportation and drainage professional engineers (PE) registered in the State of Florida, ensuring high-quality service delivery in all disciplines. CHA embodies a deep commitment to the region’s prosperity. This local expertise results in a nuanced understanding of the area’s unique infrastructure challenges and regulatory landscape. CHA’s key personnel have amassed significant experience in traffic and roadway projects, demonstrating a proven track record of delivering projects on time and within budget.

Transportation Planning and Engineering Capabilities



Transportation Solutions

When transportation is done right, it means safe and efficient movement of people and goods from point A to point B. With our experience, creativity and expertise, we are dedicated to enhancing the nation’s transportation infrastructure — one road, bridge, railway, waterway or multimodal facility at a time.



Traffic Solutions

Our team addresses congestion, enhances pedestrian/cyclist safety, and improves traffic flow with advanced design. We prioritize effective signalization, roadway upgrades, and pedestrian infrastructure, emphasizing community needs and sustainability. Trust us for solutions that elevate safety and accessibility.



Water/Wastewater/Stormwater

Clean and safe water and wastewater management is vital for every community’s well-being. We deliver environmentally friendly and cost-effective water, wastewater and stormwater projects, handling every step from assessment to planning and design in these critical situations.



Project and Construction Management

Our commitment is to deliver on-time, on-budget and high-quality projects, working closely with you throughout the process to ensure success. We provide you with the necessary tools and skillset to effectively manage construction and achieve your goals.

CHA’s expertise in traffic engineering and transportation planning is marked by proficiency in field data collection and analysis, using technology to conduct traffic studies, intersection and roadway capacity analysis, signal timing, and more. In roadway and drainage design, CHA provides services supported by a multidisciplinary team skilled in geotechnical, survey, and analysis works, showcasing its comprehensive approach to infrastructure projects.

Furthermore, CHA’s capability extends to contract administration, where its project management expertise results in efficient handling of tasks, fostering smooth progress and adherence to terms. In CEI, CHA conducts inspections and compliance monitoring, resulting in processes that align with plans and specifications. The ability to offer a broad spectrum of services, including material inspection, landscape design, and structural design, illustrates CHA’s versatility and commitment to meeting diverse project requirements. This multi-faceted proficiency establishes CHA as a capable entity in addressing the complex needs of infrastructure projects with precision and expertise.

For evidence of our outstanding service, please see the following table:

WORK TYPE	CLIENT	CONTRACT	PROJECT	GRADE (FDOT SCALE: 5.0)
3.2	FDOT	C9O25	SR-25/Okeechobee Road	3.7
6.1	FDOT	C9R90	Districtwide Pedestrian & Bike Safety	4.5
6.1	FDOT	CAA18	Districtwide Pedestrian & Bicycle Safety Program Consultant	4.1
3.2	FDOT	C9X22	Design Services for Prospect Road	3.9
3.2	FDOT	CAE78	Continuing Services for Project Design	4.4
3.1	FDOT	CAC52	Districtwide Miscellaneous PE Design	4.0
10.1	FDOT	-	ITS Grouping CEI Services	4.6
16.0	MD DTPW	-	E05-WASD-12 Perrine-Cuttler Ridge Improvements	3.9/4.0

“CHA’s experienced staff has vast expertise on roadway improvement projects for the City of Miami with a well equipped team of subconsultants.” - *Javier Romero, City of Miami*

CHA’S AWARDS AND RECOGNITIONS

AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) | FLORIDA SECTION | MIAMI-DADE BRANCH

2023 Project of the Year, Category I - CEI Services for the Venetian Causeway Water and Sewer Main Upgrades - Phase 1

2017-2018 Project of the Year, Category I for Outstanding Engineering Achievement - 11th. Infrastructure and ROW Improvements

2017-2018 Project of the Year for Outstanding Engineering Achievement - 54” Direction Drill for the City of Miami Beach, Florida

2016-2017 Project of the Year, Category I, Honorable Mention for Outstanding Engineering Achievement - NW 97th Avenue Roadway Improvements for the City of Doral.

2014-2015 Project of the Year, Category II for Outstanding Engineering Achievement - Biscayne Point Neighborhood Project.

2013-2014 Project of the Year, Outstanding Engineering Achievement - The Port of Miami Tunnel.

2011 Project of the Year, CEI Consultant for Outstanding Engineering Achievement - NW 25th Street Viaduct.

2009 Project of the Year, Outstanding Engineering Achievement - Miami Intermodal Center Roadway Program, Miami, FL

AMERICAN COUNCIL OF ENGINEERING COMPANIES (ACEC)

2022 ENGINEERING EXCELLENCE AWARDS - GRAND AWARD FOR HORIZONTAL DIRECTIONAL DRILLING

OF 7 MILES OF 54” & 48” REDUNDANT SEWER FORCEMAIN THROUGH DOWNTOWN FORT LAUDERDALE, FL.

2017 ENGINEERING EXCELLENCE AWARDS - FOR DESIGN-BUILD OF A 54 INCH REDUNDANT FORCE MAIN UTILIZING HORIZONTAL DIRECTIONAL DRILL

2017 Engineering Excellence Awards - Grand Award for SR 826 (Palmetto Expressway) / SR 836 (Dolphin Expressway) Interchange Improvements, Miami, FL.

BROWARD METROPOLITAN PLANNING ORGANIZATION (MPO)

2023 People’s Award in the Safe Street Summit - Prospect Rd. From Commercial Blvd. to SR 811/Dixie Hwy

CUBAN AMERICAN ASSOCIATION OF CIVIL ENGINEERS

2023 Presidential Award - CEI Services for the Venetian Causeway Water and Sewer Main Upgrades - Phase 1

DESIGN-BUILD INSTITUTE OF AMERICA (DBIA) - FLORIDA REGION

2017 Project of the Year - Water and Wastewater: Intercostal Waterway Crossings at Las Olas Boulevard, Fort Lauderdale, Florida.

FLORIDA ENGINEERING SOCIETY (FES) LOCAL CHAPTER

2018 Outstanding Technical Achievement for Design-Build of a 54-inch Redundant Force Main Utilizing Horizontal Directional Drill (HDD), Miami Beach, FL

2017 Outstanding Technical Achievement for SR 826 (Palmetto Expressway) / SR 836 (Dolphin Expressway) Interchange

Improvements, Miami, FL

FLORIDA INSTITUTE OF CONSULTING ENGINEERS (FICE)

2017 Honor Award - Design-Build Project of a 54-inch Redundant Force Main Utilizing Horizontal Directional Drill (HDD). Client: City of Miami Beach. Category I: Special Projects.

FLORIDA REGION DESIGN-BUILD AWARDS

2015 Best Overall in the Water/Wastewater Category - SDWWTP Cogeneration Facility Improvements project

FLORIDA TRANSPORTATION BUILDERS ASSOCIATION (FTBA)

2023 Best in Construction Award | Community Awareness - Design Build Tiger Grant

2018 Florida’s Best in Construction Interstate 2018: SR-93 / I-75 Managed Lanes from South of Miramar Parkway to South of Sheridan St., Broward County, FL

2012 Florida’s Best Construction Mayor Bridge: N.W. 25th Street Viaduct

2012 Florida’s Best in Construction Interchange: Palmetto Expressway | Miller Dr. | Bird Road. Miami-Dade County.

INSTITUTE FOR SUSTAINABLE INFRASTRUCTURE

Envision Certification (Level Silver) - CEI Services for SR-836 Express Bus Service and Park-and-Ride Bus Terminal Tamiami Station

CHA's FDOT Technical Categories

2.0 Project Development and Environmental (PD&E) Studies

3.0 Highway Design - Roadway

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

4.0 Highway Design - Bridges

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

5.0 Bridge Inspection

- 5.1 - Conventional Bridge Inspection
- 5.4 - Bridge Load Rating

6.0 Traffic Engineering and Operations Studies

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

7.0 Traffic Operations Design

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

10.0 Construction Engineering Inspection

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

11.0 Engineering Contract Administration and Management

13.0 Planning

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

CHA's MDC Technical Categories

1.00 Transportation Planning

- 1.01 Urban Area And Regional Transportation Planning

2.00 Mass Transit Systems

- 2.01 Mass Transit Program (Systems Management)
- 2.02 Mass Transit Feasibility & Technical Studies
- 2.04 Mass Transit Controls, Communications & Information Systems
- 2.05 General Quality Engineering

3.00 Highway Systems

- 3.01 Site Development And Parking Lot Design
- 3.02 Major Highway Design
- 3.02a Tunnel Design
- 3.02b Minor Highway Design
- 3.03 Bridge Design
- 3.04 Traffic Engineering Studies
- 3.05 Traffic Counts
- 3.06 Traffic Calming
- 3.07 Traffic Signal Timing
- 3.08 Intelligent Transportation Systems

Analysis, Design, And Implementation

- 3.09 Signing, Pavement Marking, And Channelization
- 3.10 Lighting
- 3.11 Signalization
- 3.12 Underwater Engineering Inspection

4.00 Aviation Systems

- 4.01 Engineering Design

5.00 Port And Waterway Systems

- 5.01 Engineering Design
- 5.10 Transportation Systems Design

6.00 Water And Sanitary Sewer Systems

- 6.01 Water Distribution And Sanitary Sewage Collection And Transmission Systems
- 6.01A Utility Tunneling For Water Distribution And Sanitary Sewage Collection And Transmission Systems
- 6.02 Water And Sanitary Sewage Pumping Facilities
- 6.03 Water And Sanitary Sewage

Treatment Plants

8.00 Telecommunication Systems

10.00 Environmental Engineering

- 10.01 Stormwater Drainage Design Engineering Services
- 10.03 Biology Services
- 10.05 Contamination Assessment And Monitoring

11.00 General Structural Engineering

12.00 General Mechanical Engineering


13.00 General Electrical Engineering

16.00 General Civil Engineering

17.00 Engineering Construction Management

25.00 Aviation Planning Consultant Services

CHA's Technical Certificates



Florida Department of Transportation

RON DESANTIS
GOVERNOR

JARED W. FERDIE, P.E.
SECRETARY

August 14, 2023

Phillip Whitaker, Transportation Business Line Director
CHA CONSULTING, INC.
575 Broadway, Suite 301
Albany, New York 12207

Dear Mr. Whitaker:

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

- Group 2 - Project Development and Environmental (PD&E) Studies
- Group 3 - Highway Design - Roadway
 - 3.1 - Minor Highway Design
 - 3.2 - Major Highway Design
 - 3.3 - Controlled Access Highway Design
- Group 4 - Highway Design - Bridges
 - 4.1.1 - Miscellaneous Structures
 - 4.1.2 - Minor Bridge Design
 - 4.2.1 - Major Bridge Design - Concrete
 - 4.2.2 - Major Bridge Design - Steel
- Group 5 - Bridge Inspection
 - 5.1 - Conventional Bridge Inspection
 - 5.4 - Bridge Load Rating
- Group 6 - Traffic Engineering and Operations Studies
 - 6.1 - Traffic Engineering Studies
 - 6.2 - Traffic Signal Timing
 - 6.3.1 - Intelligent Transportation Systems Analysis and Design
 - 6.3.2 - Intelligent Transportation Systems Implementation
 - 6.3.3 - Intelligent Transportation Traffic Engineering Systems Communications
 - 6.3.4 - Intelligent Transportation Systems Software Development
- Group 7 - Traffic Operations Design
 - 7.1 - Signing, Pavement Marking and Channelization
 - 7.2 - Lighting
 - 7.3 - Signalization

1

Group 10 - Construction Engineering Inspection

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

Group 11 - Engineering Contract Administration and Management

Group 13 - Planning

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


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

Approved Rates						
Home/ Branch Overhead	Field Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense	Field Direct Expense
133.48%	107.21%	0.343%	Reimbursed	No	3.10%	11.72%

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

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

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

Sincerely,

Carlyan Kell
Professional Services
Qualification Administrator

CBHK/kw


Miami-Dade County Internal Services Department Statement of Technical Certification Categories			
Firm: CHA CONSULTING INC 575 Broadway, Suite 301, Albany, NY 12207			
Code	Category Description	Approval Date	Expiration Date
1.01	TRANSPORTATION PLANNING - URBAN AREA AND REGIONAL TRANSPORTATION PLANNING	10/19/2022	06/30/2024
2.01	MASS TRANSIT SYSTEMS - MASS TRANSIT PROGRAM (SYSTEMS) MANAGEMENT	10/19/2022	06/30/2024
2.02	MASS TRANSIT SYSTEMS - MASS TRANSIT FEASIBILITY & TECHNICAL STUDIES	10/19/2022	06/30/2024
2.04	MASS TRANSIT SYSTEMS - MASS TRANSIT CONTROLS, COMMUNICATIONS & INFORMATION SYSTEMS	10/19/2022	06/30/2024
2.05	MASS TRANSIT SYSTEMS - GENERAL QUALITY ENGINEERING	10/19/2022	06/30/2024
3.01	HIGHWAY SYSTEMS - SITE DEVELOPMENT AND PARKING LOT DESIGN	10/19/2022	06/30/2024
3.02	HIGHWAY SYSTEMS - MAJOR HIGHWAY DESIGN	06/01/2022	06/30/2024
3.02A	HIGHWAY SYSTEMS - TUNNEL DESIGN	10/19/2022	06/30/2024
3.02B	HIGHWAY SYSTEMS - MINOR HIGHWAY DESIGN	06/01/2022	06/30/2024
3.03	HIGHWAY SYSTEMS - BRIDGE DESIGN	06/01/2022	06/30/2024
3.04	HIGHWAY SYSTEMS - TRAFFIC ENGINEERING STUDIES	10/19/2022	06/30/2024
3.05	HIGHWAY SYSTEMS - TRAFFIC COUNTS	10/19/2022	06/30/2024
3.06	HIGHWAY SYSTEMS - TRAFFIC CALMING	10/19/2022	06/30/2024
3.07	HIGHWAY SYSTEMS - TRAFFIC SIGNAL TIMING	10/19/2022	06/30/2024
3.08	HIGHWAY SYSTEMS - INTELLIGENT TRANSPORTATION SYSTEMS ANALYSIS, DESIGN, AND IMPLEMENTATION	10/19/2022	06/30/2024
3.09	HIGHWAY SYSTEMS - SIGNING, PAVEMENT MARKING, AND CHANNELIZATION	06/01/2022	06/30/2024
3.10	HIGHWAY SYSTEMS - LIGHTING	10/19/2022	06/30/2024
3.11	HIGHWAY SYSTEMS - SIGNALIZATION	10/19/2022	06/30/2024
3.12	HIGHWAY SYSTEMS - UNDERWATER ENGINEERING INSPECTION	10/19/2022	06/30/2024
4.01	AVIATION SYSTEMS - ENGINEERING DESIGN	06/01/2022	06/30/2024
5.01	PORT AND WATERWAY SYSTEMS - ENGINEERING DESIGN	10/19/2022	06/30/2024
5.10	PORT AND WATERWAY SYSTEMS - TRANSPORTATION SYSTEMS DESIGN	10/19/2022	06/30/2024

Code	Category Description	Approval Date	Expiration Date
6.01	WATER AND SANITARY SEWER SYSTEMS - WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS	06/01/2022	06/30/2024
6.01A	WATER AND SANITARY SEWER SYSTEMS - UTILITY TUNNELING FOR WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS	06/01/2022	06/30/2024
6.02	WATER AND SANITARY SEWER SYSTEMS - WATER AND SANITARY SEWAGE PUMPING FACILITIES	06/01/2022	06/30/2024
6.03	WATER AND SANITARY SEWER SYSTEMS - WATER AND SANITARY SEWAGE TREATMENT PLANTS	06/01/2022	06/30/2024
8.00	TELECOMMUNICATION SYSTEMS	10/19/2022	06/30/2024
10.01	ENVIRONMENTAL ENGINEERING - STORMWATER DRAINAGE DESIGN ENGINEERING SERVICES	10/19/2022	06/30/2024
10.03	ENVIRONMENTAL ENGINEERING - BIOLOGY SERVICES	04/12/2023	06/30/2024
10.05	ENVIRONMENTAL ENGINEERING - CONTAMINATION ASSESSMENT AND MONITORING	04/12/2023	06/30/2024
11.00	GENERAL STRUCTURAL ENGINEERING	06/01/2022	06/30/2024
12.00	GENERAL MECHANICAL ENGINEERING	10/19/2022	06/30/2024
13.00	GENERAL ELECTRICAL ENGINEERING	10/19/2022	06/30/2024
16.00	GENERAL CIVIL ENGINEERING	06/01/2022	06/30/2024
17.00	ENGINEERING CONSTRUCTION MANAGEMENT	10/19/2022	06/30/2024
25.00	AVIATION PLANNING CONSULTANT SERVICES	06/01/2022	06/30/2024

Approved By
Technical Certification Committee
Miami-Dade County



C.A.P. Engineering, Inc.'s Technical Certificates



FDOT
Florida Department of Transportation

RON DESANTIS
GOVERNOR

JARED W. FERDIE, P.E.
SECRETARY

January 12, 2024

Carlos Penin, President
C.A.P. ENGINEERING, INC.
343 Almeria Avenue
Coral Gables, Florida 33134

Dear Mr. Penin:

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

- Group 3 - Highway Design - Roadway
 - 3.1 - Minor Highway Design
- Group 7 - Traffic Operations Design
 - 7.1 - Signing, Pavement Marking and Channelization
 - 7.2 - Lighting
- Group 10 - Construction Engineering Inspection
 - 10.1 - Roadway Construction Engineering Inspection
 - 10.3 - Construction Materials Inspection
- Group 13 - Planning
 - 13.6 - Land Planning/Engineering
- Group 14 - Architect

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

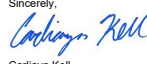
Approved Rates				
Home/ Branch Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense
118.36%	0.170%	Reimbursed	No	3.55%

1

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

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

Sincerely,



Carliayn Kell
Professional Services
Qualification Administrator

2


Miami-Dade County Internal Services Department Statement of Technical Certification Categories				
Firm: C A P ENGINEERING INC				
343 Almeria Avenue, 2nd floor, Coral Gables, FL 33134				
Code	Category Description	Approval Date	Expiration Date	
3.01	HIGHWAY SYSTEMS - SITE DEVELOPMENT AND PARKING LOT DESIGN	09/20/2023	04/30/2025	
3.02	HIGHWAY SYSTEMS - MAJOR HIGHWAY DESIGN	09/20/2023	04/30/2025	
3.02B	HIGHWAY SYSTEMS - MINOR HIGHWAY DESIGN	09/20/2023	04/30/2025	
3.04	HIGHWAY SYSTEMS - TRAFFIC ENGINEERING STUDIES	09/20/2023	04/30/2025	
3.06	HIGHWAY SYSTEMS - TRAFFIC CALMING	09/20/2023	04/30/2025	
3.09	HIGHWAY SYSTEMS - SIGNING, PAVEMENT MARKING, AND CHANNELIZATION	09/20/2023	04/30/2025	
3.10	HIGHWAY SYSTEMS - LIGHTING	04/12/2023	04/30/2025	
3.11	HIGHWAY SYSTEMS - SIGNALIZATION	09/20/2023	04/30/2025	
5.01	PORT AND WATERWAY SYSTEMS - ENGINEERING DESIGN	10/04/2023	04/30/2025	
6.01	WATER AND SANITARY SEWER SYSTEMS - WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS	04/12/2023	04/30/2025	
6.02	WATER AND SANITARY SEWER SYSTEMS - WATER AND SANITARY SEWAGE PUMPING FACILITIES	04/12/2023	04/30/2025	
6.03	WATER AND SANITARY SEWER SYSTEMS - WATER AND SANITARY SEWAGE TREATMENT PLANTS	04/12/2023	04/30/2025	
10.01	ENVIRONMENTAL ENGINEERING - STORMWATER DRAINAGE DESIGN ENGINEERING SERVICES	04/12/2023	04/30/2025	
11.00	GENERAL STRUCTURAL ENGINEERING	10/04/2023	04/30/2025	
12.00	GENERAL MECHANICAL ENGINEERING	04/12/2023	04/30/2025	
13.00	GENERAL ELECTRICAL ENGINEERING	04/12/2023	04/30/2025	
16.00	GENERAL CIVIL ENGINEERING	10/04/2023	04/30/2025	

Code	Category Description	Approval Date	Expiration Date
17.00	ENGINEERING CONSTRUCTION MANAGEMENT	04/12/2023	04/30/2025

Approved By
Technical Certification Committee
Miami-Dade County



Chen Moore & Associates, Inc.'s Technical Certificates



Florida Department of Transportation
605 Suwannee Street
Tallahassee, FL 32399-0450

RON DESANTIS
GOVERNOR

JARED W. FERDIE, P.E.
SECRETARY

May 10, 2023

Peter Moore, President & CEO
CHEN MOORE AND ASSOCIATES, INC.
500 West Cypress Creek Road, Suite 630
FL Lauderdale, Florida 33309

Dear Mr. Moore:

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

- Group 2 - Project Development and Environmental (PD&E) Studies
- Group 3 - Highway Design - Roadway
 - 3.1 - Minor Highway Design
 - 3.2 - Major Highway Design
 - 3.3 - Controlled Access Highway Design
- Group 5 - Bridge Inspection
 - 5.4 - Bridge Load Rating
- Group 7 - Traffic Operations Design
 - 7.1 - Signing, Pavement Marking and Channelization
 - 7.2 - Lighting
 - 7.3 - Signalization
- Group 10 - Construction Engineering Inspection
 - 10.1 - Roadway Construction Engineering Inspection
- Group 13 - Planning
 - 13.6 - Land Planning/Engineering
- Group 15 - Landscape Architect


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


1

Approved Rates				
Home/ Branch Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense
189.77%	0.229%	Reimbursed	No	2.24%

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

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

Sincerely,

Carliayn Kell
Professional Services
Qualification Administrator



Miami-Dade County
Internal Services Department
Statement of Technical Certification Categories


Firm: CHEN MOORE AND ASSOCIATES INC
3150 SW 38th Avenue, Suite 950, Miami, FL 33146

Code	Category Description	Approval Date	Expiration Date
3.01	HIGHWAY SYSTEMS - SITE DEVELOPMENT AND PARKING LOT DESIGN	09/21/2022	09/30/2024
3.02B	HIGHWAY SYSTEMS - MINOR HIGHWAY DESIGN	09/21/2022	09/30/2024
3.06	HIGHWAY SYSTEMS - TRAFFIC CALMING	09/21/2022	09/30/2024
3.09	HIGHWAY SYSTEMS - SIGNING, PAVEMENT MARKING, AND CHANNELIZATION	09/21/2022	09/30/2024
3.10	HIGHWAY SYSTEMS - LIGHTING	09/21/2022	09/30/2024
3.11	HIGHWAY SYSTEMS - SIGNALIZATION	09/21/2022	09/30/2024
4.01	AVIATION SYSTEMS - ENGINEERING DESIGN	09/21/2022	09/30/2024
6.01	WATER AND SANITARY SEWER SYSTEMS - WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS	09/21/2022	09/30/2024
6.01A	WATER AND SANITARY SEWER SYSTEMS - UTILITY TUNNELING FOR WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS	09/21/2022	09/30/2024

Code	Category Description	Approval Date	Expiration Date
6.02	WATER AND SANITARY SEWER SYSTEMS - WATER AND SANITARY SEWAGE PUMPING FACILITIES	09/21/2022	09/30/2024
10.01	ENVIRONMENTAL ENGINEERING - STORMWATER DRAINAGE DESIGN ENGINEERING SERVICES	09/21/2022	09/30/2024
10.03	ENVIRONMENTAL ENGINEERING - BIOLOGY SERVICES	09/21/2022	09/30/2024
16.00	GENERAL CIVIL ENGINEERING	09/21/2022	09/30/2024
17.00	ENGINEERING CONSTRUCTION MANAGEMENT	09/21/2022	09/30/2024
19.16	VALUE ANALYSIS AND LIFE-CYCLE COSTING - GENERAL CIVIL ENGINEERING	09/21/2022	09/30/2024
20.00	LANDSCAPE ARCHITECTURE	02/07/2024	09/30/2024
21.00	LAND-USE PLANNING	02/07/2024	09/30/2024

Approved By
Technical Certification Committee
Miami-Dade County

Longitude Surveyors, LLC's Technical Certificates



Florida Department of Transportation
605 Suwannee Street
Tallahassee, FL 32399-0450

RON DESANTIS
GOVERNOR

JARED W. FERDUE, P.E.
SECRETARY

July 6, 2023

Eduardo Suarez, President
LONGITUDE SURVEYORS, LLC
7700 North Kendall Drive, Suite 705
Miami, Florida 33156

Dear Mr. Suarez:

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

Group 8 - Survey and Mapping


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

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


Approved Rates				
Home/ Branch Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense
136.62%	0.511%	Reimbursed	No	11.33%

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

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

Sincerely,

Carliayn Kell
Professional Services
Qualification Administrator

1




**Miami-Dade County
Internal Services Department
Statement of Technical Certification Categories**

**Firm: LONGITUDE SURVEYORS LLC
7700 N. Kendall Drive, 705, Miami, FL 33156**

Code	Category Description	Approval Date	Expiration Date
15.01	SURVEYING AND MAPPING - LAND SURVEYING	12/21/2022	02/28/2025
15.02	SURVEYING AND MAPPING - AERIAL PHOTOGRAMMERTY	12/21/2022	02/28/2025
15.03	SURVEYING AND MAPPING - UNDERGROUND UTILITY LOCATION	12/21/2022	02/28/2025
15.04	SURVEYING AND MAPPING - HYDROGRAPHIC SURVEYS	08/09/2023	02/28/2025

Approved By
Technical Certification Committee
Miami-Dade County

Universal Engineering Sciences' Technical Certificates



Florida Department of Transportation
605 Suwannee Street
Tallahassee, FL 32399-0450

RON DESANTIS
GOVERNOR

JARED W. FERDUE, P.E.
SECRETARY

July 8, 2023

Frederick Kaub, Managing Member
GFA INTERNATIONAL, INC.
d/b/a UNIVERSAL ENGINEERING SCIENCES
1215 Wallace Drive
Delray Beach, Florida 33444

Dear Mr. Kaub:

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

Group 9 - Soil Exploration, Material Testing and Foundations

- 9.1 - Soil Exploration
- 9.2 - Geotechnical Classification Laboratory Testing
- 9.3 - Highway Materials Testing
- 9.4.1 - Standard Foundation Studies
- 9.5 - Geotechnical Specialty Laboratory Testing

Group 10 - Construction Engineering Inspection

- 10.1 - Roadway Construction Engineering Inspection
- 10.3 - Construction Materials Inspection

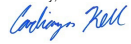
Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2024,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

Approved Rates				
Home/ Branch Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense
222.07%	1.015%	Reimbursed	No	28.26%

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

1

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

Sincerely,

Carliayn Kell
Professional Services
Qualification Administrator

2



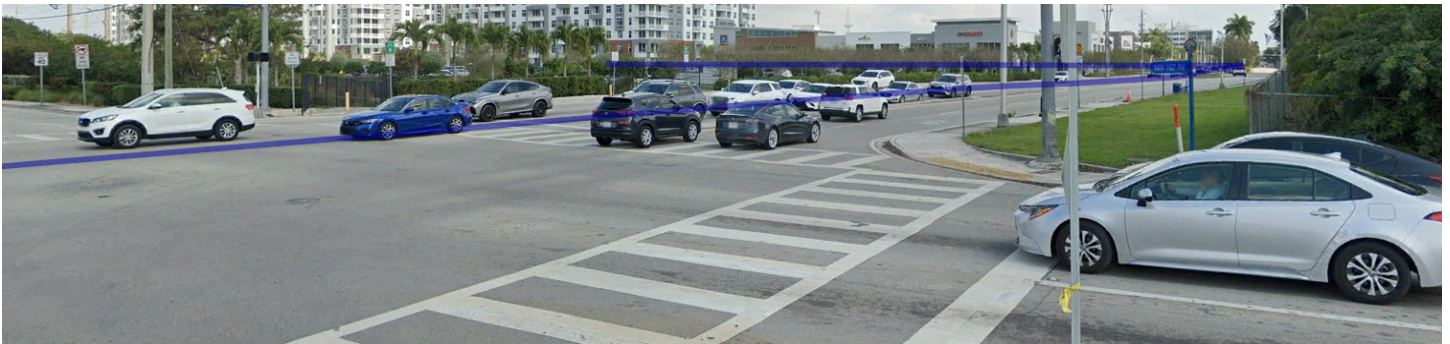
Proposer’s familiarity with permitting In Miami-Dade County

CHA’s team boasts a wealth of knowledge in navigating the complex permitting process across various project types in Miami-Dade County. We are adept in securing permits for diverse endeavors, including roadway and infrastructure development, signalization, signing and pavement marking, as well as crafting stormwater management master plans, and designing water distribution and sanitary sewer systems, alongside force main and sanitary lift station projects.

The CHA team’s permitting and regulatory compliance services provide a comprehensive approach to achieving compliance with all city projects delivered under this contract. We look at current regulations specific to each federal, state, and local agency and also monitor legislative and judicial developments that may affect the way projects may be impacted or reviewed by agencies. During the permitting process we will schedule review meetings with multiple agencies, including M-D DRER, M-D DTPW, SFWMD, USACE, and FDOT, among others, to address the reviewer’s request for information (RFI) immediately, hence expediting the permitting review process. Our team will have a permit coordination manager that will be responsible for coordinating with all permitting agencies with jurisdiction.

The goal of our permit process is to prevent permitting from delaying the schedule and critical path activities. Thus, the CHA team will proactively coordinate all permits with each permitting agency to obtain the necessary permits and approvals in a timely manner. The team’s permitting/compliance manager, **Angela Baron-Ruiz, PE, ENV SP**, will remain the primary point-of-contact, thus providing consistency and improving communication and efficiency between the permitting entity and the design team.

Permitting agencies will be provided with design drawings after 60% plans are approved by the city. Follow up meetings with permitting agencies will be held to review plans and provide congruence with agency requirements. Correspondence, meeting minutes and other pertinent documentation will be maintained in the project file and provided to the City. Our team’s knowledge and experience on several municipal projects will allow effective coordination with all permitting agencies on a regular basis. With this experience, the team can drive the project down a successful path and eliminate the learning curve since throughout our longstanding practice, we’ve forged robust relationships with key permitting agencies, which include:



- Miami-Dade County Public Works Department (MDCPWD)
- Miami-Dade Transit Authority (MDTA)
- Miami-Dade Water and Sewer Department (M-D WASD)
- Florida Department of Transportation (FDOT)
- South Florida Water Management District (SFWMD)
- Florida Department of Environmental Protection (FDEP)
- U.S. Army Corp of Engineers (USACOE)
- Miami-Dade Department of Environmental Resources Management (DERM)

CHA has demonstrated its capability of obtaining permits for challenging projects; one example is the Miami Intermodal Center (MIC).

The following table is an in-house checklist of permits that is used as a reference as part of standard procedure in our office.

GOVERNMENTAL AGENCIES	COMPONENT	REQUIRED APPROVAL
Miami-Dade County	RER- Tree and Forest Resources Section	Tree Permit Application
	RER Pollution Remediation Section (PRS)	Review of drainage plans for contaminated sites
	Miami-Dade RER	Class VI Permit: Construction of a drainage system for any project that has known soil or groundwater contamination Class II Permit: Construction of a drainage system for any project that has discharge to any surface water in Miami-Dade County.
City of Coral Gables	Department of Public Works	Planning, paving, grading and drainage improvements within the City's Right-of-Way.
Florida Department of Environmental Protection's (FDEP)	Underground Injection Control (UIC)	Deep injection drainage wells (Class V Group 6)
South Florida Water Management District (SFWMD)	Environmental Resource Permit	Coordination with SFWMD for the construction of the new stormwater system
US Army Corps of Engineers	404 Dredge and Fill Permits	Section 404 requires a permit before dredged or fill material may be discharged into retained waters of the United States

Proposer's Multidisciplinary Coordination

CHA prides itself on its rich history of collaboration and teamwork, working seamlessly with a variety of consultants to bring projects to fruition. We recognize the indispensable value each team member contributes to the project's overall success. At the heart of our approach is the belief in leveraging the strengths of our multidisciplinary team to meet and exceed project objectives efficiently and effectively.

PROJECT MANAGEMENT AND TEAM COORDINATION

CHA has extensive experience working together with other consultants as part of a team. We understand that each team member brings unique value to the overall project. CHA is a multidisciplinary firm with extensive experience in coordinating internally among traffic engineering and transportation planning, as well as with other disciplines including roadway and drainage design, construction engineering inspection, structural, lighting, and signalization. Our past experience also includes working extensively with subconsultants to address multiple high-priority assignments and to fulfill contract needs not offered at CHA, including surveying, geotechnical, and materials testing.

Our proposed project manager, **Jennifer Borges, PE, PTOE, MS**, will serve as the main point of contact and will facilitate coordination internally with CHA's multidisciplinary team and with our subconsultants and other consultants designated by the City.

EXPERTISE IN TRAFFIC OPERATIONS AND COORDINATION

CHA staff is experienced in closely coordinating traffic study recommendations into feasible and constructible designs and has staff with extensive experience in traffic operations, safety, and pedestrian and bicyclist initiatives. **Jennifer Borges, PE, PTOE, MS**, the proposed project manager for this contract, has worked as a traffic analyst and project manager for three years and as an in-house consultant for six years at the FDOT District Six Traffic Operations Office. During her tenure at FDOT, Jennifer addressed over 400 constituent requests and concerns, implemented over 200 push-button projects from the study stage to

the construction stage, and presented and received funding for over 25 Work Program projects. Additionally, our team has other external coordination experience crucial to this contract. For example, we have in-house support staff at Miami-Dade County Traffic Signals and Signs Division, which can be an asset if any signal timing modifications are needed or to modify an existing signal phase.

Subconsultant Team

CHA aligns with the City of Coral Gables' project management needs, emphasizing transparency and collaboration. We recognize subconsultants' vital role in service delivery, committing to integrate these skilled partners contract-wide. Our approach builds partnerships, enriching our capabilities and aligning with city objectives, ensuring utmost care and professionalism in every project aspect. Our strategy involves partnering with specialized subconsultants, chosen for their expertise and alignment with the City's requirements.

This selection process upholds our quality and efficiency standards, crucial for successful contract execution. We're committed to comprehensive service, detailing each subconsultant's role and contributions, reflecting our holistic project management approach. Leveraging this expertise, CHA aims to deliver cohesive solutions, meeting and exceeding the City's expectations.

Below is a summary of the main attributes each subconsultant brings to this contract.



C.A.P. Engineering, Inc. (CAP)

- **Versatile Engineering and Management Capability:** Their broad service range in engineering design and construction management is well-suited for complex contracts, emphasizing efficiency and quality.
- **Inspection and CE&I Proficiency:** CAP's specialization in Threshold and Building Inspections, alongside Construction Engineering and Inspections (CE&I), ensures rigorous adherence to building codes and project specifications, vital for this contract's success.
- **40-Year Recertification Expertise:** Their experience with Structural and Electrical Engineering services tailored for the 40-year Recertification process aligns with the contract's requirements for compliance and safety standards as per Miami-Dade regulations.
- **Quality Assurance Processes:** CAP's commitment to quality through its internal review process ensures that all structural special inspection services related to this contract are conducted meticulously and on schedule, aligning with project quality and timeline expectations.



Chen Moore and Associates, Inc. (CMA)

- **Multidisciplinary Expertise:** Established in 1986, CMA is a renowned consulting firm with a wide array of specializations including planning, landscape architecture, civil, environmental, and electrical engineering, among others. This broad expertise is crucial for the diverse requirements of this contract.
- **Strategic Expansion and Team Strength:** The recent integration of NZ Consultants has bolstered CMA's planning division and expanded its team to 117 professionals across various Florida locations, enhancing its capacity to deliver large-scale projects.
- **Diverse Services and Key Market Focus:** CMA offers specialized services in key areas such as water and sewer, transportation, water resources, and more. Their skilled team of over 40 professional engineers and other certified experts is well-equipped to tackle the contract's demands from multiple angles.

• **Statewide Presence and Resourcefulness:** With headquarters in Fort Lauderdale and regional offices throughout Florida, CMA's widespread presence and robust staff composition underscore its ability to handle complex projects with efficiency and technical prowess, making it a formidable candidate for this contract. Quality Assurance Processes: CAP's commitment to quality through its internal review process ensures that all structural special inspection services related to this contract are conducted meticulously and on schedule, aligning with project quality and timeline expectations.



Longitude Surveyors (LS)

- **Wide-Ranging Expertise:** Since 2004, Longitude Surveyors has been providing an extensive array of services including Surveying & Mapping, 3D Scanning, Subsurface Utility Engineering (SUE), and Construction Surveying. Their specialization in control, design, and right-of-way surveys specifically for infrastructure improvements aligns perfectly with the contract's requirements.
- **Proven Track Record and Client Focus:** With nineteen years of experience serving both public and private sectors in South Florida, Longitude has developed a client-centric approach, ensuring high-quality deliverables and timely completion. Their commitment to understanding and meeting client needs enhances their capability to manage complex projects effectively.
- **Strategic Location and Certification:** Based in Miami and with satellite offices in strategic locations, Longitude's deep familiarity with local regulatory and environmental conditions, coupled with certifications as an SBE, DBE, MBE, and AC-DBE, positions them well for projects requiring nuanced local knowledge and compliance with diverse regulatory frameworks.
- **Innovative Technology and Personalized Service:** The firm's commitment to leveraging the latest geospatial technologies, combined with a philosophy of providing personalized service, enables them to deliver tailored solutions that exceed client expectations. Their capacity for handling large-scale projects without compromising on the quality or individual client attention makes them an ideal choice for this contract.



Universal Engineering Sciences (UES)

- **Diverse Service Offerings and Expertise:** UES provides a comprehensive array of engineering services, including Geotechnical Engineering, Construction Materials Testing & Inspection, Building Code Compliance, Environmental services, and Building Envelope solutions. This breadth of services enables UES to meet a wide range of client needs within various sectors such as transportation, healthcare, commercial, and education.
- **Innovation and Leadership in the Industry:** UES is recognized as a pioneer within the engineering sector, at the forefront of integrating emerging technologies, best practices, and legislative changes. This leadership position underscores the company's commitment to innovation and excellence.
- **Extensive Geographic Presence and Strategic Expansion:** Through strategic mergers and acquisitions, UES has significantly expanded its geographic footprint, making it the largest and most resource-rich organization of its kind in the U.S. This nationwide presence allows UES to serve clients across the country, offering localized expertise alongside the resources of a national firm.
- **Commitment to Client Relationships and Excellence:** The firm's philosophy emphasizes enduring client relationships built on a foundation of excellence. UES's team of engineers, geologists, inspectors, and scientists are dedicated to delivering high-quality service, demonstrating a commitment to exceed client expectations and ensuring project success.

KEY PERSONNEL'S EXPERIENCE AND QUALIFICATIONS



Leading our team is our proposed Project Manager, **Jennifer Borges, PE, PTOE, MS**. She brings a wealth of relevant technical expertise and over nine years of unparalleled experience gained from her prior role as a traffic analyst and an in-house consultant for FDOT District Six's TOPs Office. Jennifer has carefully assembled a team of highly skilled professionals equipped with the experience needed to proficiently manage all anticipated tasks within the scope of services. Prior to her tenure in traffic engineering, she worked as a roadway designer and in construction, bringing a unique skill set to oversee all facets of this contract.

While at FDOT, Jennifer managed five districtwide traffic operations studies contracts, addressed constituent concerns from the public, officials, and municipalities, oversaw push-button contracts for Traffic Operations, and collaborated with the pedestrian and bicyclist coordinator on safety concerns. Her expertise in traffic engineering is crucial for recommending and implementing safety and traffic improvements that meet FDOT and other guidelines. Her experience with various departments, agencies, designers, and contractors is key to implementing study recommendations with Coral Gables' approval. Jennifer's skill in managing schedules and budgets is vital. Her background and assembled team enable her to allocate resources effectively, addressing urgent needs while managing priority tasks.

A notable project that Jennifer worked on as an in-house consultant at the FDOT District Six Traffic Operations Department includes the **SR 90/SW 8th Street Pedestrian and Bicycle Safety and Mobility Study** in the City of Miami, Miami-Dade County, with FDOT District Six as the client. Here, CHA conducted a thorough evaluation of pedestrian and bicycle safety, resulting in over \$2 million in enhancements. Additions included overhead Rectangular Rapid Flashing Beacons (RRFBs) at ten locations, speed feedback signs, better pedestrian lighting, and high-emphasis crosswalks and "Turning Vehicle Yield to Pedestrians" signs. The process involved community meetings with businesses and local representatives. Community feedback led to modified RRFB designs to minimize aesthetic impacts. CHA developed conceptual plans and cost estimates for these improvements. Jennifer provided critical input and coordinated with various FDOT departments, including Traffic Operations and Right-of-Way Administration. She separated the recommendations, obtained funding for those not needing right-of-way, accelerating pedestrian safety enhancements. Crossings requiring right-of-way were presented to the Scoping Committee, securing funding for a new project included in FDOT's five-year work plan.

Supporting her is an engineering team with deep expertise across key areas. The team includes **Antonio Acosta, PE, CGC**, for quality assurance; **Carlos Gil-Mera, PE, CGC**, as principal; **Dima Poe, PE, IMSA II**, in traffic engineering; **Ehsan Doustmohammadi, PhD, PE, PTOE**, on corridor planning; **Alejandro Leon, PE, MSEME**, leading roadway design; **Levi Boyle, PE**, for CEI; **Lidia Regalado, PE, PMP**, in signalization; and **Mark Cissell, PE**, on signing and pavement. This streamlined team ensures innovative, holistic solutions for the City's challenges.

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

12. NAME Jennifer Borges, PE, PTOE, MSEM	13. ROLE IN THIS PROJECT Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 14	b. WITH CURRENT FIRM 6

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) Florida International University, FL, M.S. in Engineering Mngt (2011) Florida International University, FL, B.S. in Civil Engineering (2009)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL No. 78660 (01/05/2015)
--	--

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

Engineer of the Year (2020-2021) by the American Society of Civil Engineers, Miami-Dade Branch

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT D6, In-House Consultant for Traffic Operations Miami-Dade County, FL	2016 - 2022	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Jennifer was the project manager and in-house consultant for FDOT D6, added over five years of experience in various facets of traffic operations and project management. She managed consultant contracts for traffic operation studies, design, and construction, and assisted FDOT D6 in traffic engineering, reviewing and analyzing traffic and pedestrian studies, traffic impact analysis, and conceptual designs.			
b.	FDOT D6, Traffic Operations Analyst Miami-Dade County, FL	2013 - 2016	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
The traffic operations analyst and project manager for FDOT D6, Jennifer oversaw multiple consultant contracts, ensuring smooth operations. Her responsibilities included budget forecasting, fund allocation, task supervision, schedule enforcement, and invoice approval. Managing over five contracts, she conducted progress meetings, reviewed reports, prepared scopes of work, negotiated terms, and approved invoices.			
c.	FDOT D6, SR 7/NW 7th Ave. at NW 14th Str, NW 23rd St., and NW 29th St., Signalization Upgrades Miami-Dade County, FL	2010 - 2011	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
As Project Engineer for signalization, Jennifer led a safety intersection upgrade project. It involved installing protected/permissive left-turn signals on North and South approaches at intersections. The project enforced parking restrictions on NW 7th Avenue and NW 29th Street, rebuilding ADA ramps and sidewalks affected by vehicle detector loop installations.			
d.	FDOT D6, SR 94/SW 88th St./Kendall Dr. from SR 821 Southbound (Off-Ramp) to SR 821 Northbound (Off-Ramp) Miami-Dade County, FL	2010 - 2011	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Project engineer responsible for the resurfacing, restoration, and rehabilitation project that consisted of milling and resurfacing the existing asphalt pavement, cross-slope correction, roadway widening for a future travel lane, minor drainage improvements, sidewalk reconstruction, upgrade of curb ramps to meet ADA requirements, and signing and pavement markings.			
e.	Miami Beach, FL, Byron Ave. from 81st St. to 200 feet South of 88th St. City of Miami Beach, FL	2010 - 2011	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Project engineer for this FDOT ARRA Funded Project in North Shore for the City of Miami Beach Public Works. The project consisted of roadway improvements for Byron Avenue, including milling & resurfacing new signing and pavement markings, and new safety improvements such as ADA ramps and sidewalks.			

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

12. NAME Carlos Gil-Mera, PE, CGC	13. ROLE IN THIS PROJECT Principal	14. YEARS EXPERIENCE	
		a. TOTAL 38	b. WITH CURRENT FIRM 24

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) Florida International University, FL, B.S. in Civil Engineering (1986)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL No. 43953 (03/15/1991) General Contractor: FL No. 56647 (10/17/2013)
---	---

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

Member of the American Society of Civil Engineers (ASCE) | Member of the Florida Engineering Society (FES) |
Member of the Cuban-American Association of Civil Engineers (C-AACE)

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
<p>a.</p> <p>Miami-Dade County, DTPW, The Underline, Phase II Miami-Dade County, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project manager for the 2.14-mile design-build project for the Underline, a 10-mile linear park and urban trail under Miami's Metrorail. Phase II extends from SW 13th Street to SW 19th Avenue. The full project creates a multi-modal corridor with separate bike and pedestrian paths, landscaping, lighting, and event spaces. It is part of Miami-Dade County's "Parks and Open Space Master Plan."</p>	2020 - Present	NA
<p>b.</p> <p>FDOT D6, Reconstruction of the Golden Glades Multimodal Transportation Facility (GGMTF) Miami-Dade County, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project manager for the design-build project at the Golden Glades Park & Ride Center for upgrading and enhanced mobility at the existing GGMTF. The project featured a six-story parking garage (2,400 spaces), 4,500 sq. ft. transit hub, 10,450 sq. ft. retail space, passenger waiting areas, Tri-Rail station access via a pedestrian bridge from the 910,000 sq. ft. garage, bike parking, multi-bay bus terminals, upgraded paths, sidewalks, and road reconstruction (SR 9, SR 7, Frontage Road).</p>	2019 - 2022	NA
<p>c.</p> <p>Miami Beach, FL, Design-Build Services for 11th St. Roadway Reconstruction Miami-Dade County, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm The project manager for the reconstruction of this roadway, which was raised two feet on average, presented many challenges, such as harmonizing with each property owner along the corridor. CHA coordinated directly with the city and all stakeholders throughout this project, resulting in a superb design. This project eliminated flooding in the area and improved the lives of the residents.</p>	2017	NA
<p>d.</p> <p>FDOT D6, Maintenance Engineering and Inspection (MEI) Contract Miami-Dade County, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project manager for overseeing the daily work and activities. Carlos developed a quality control plan for this contract to ensure that the team meets and exceeds the contract's needs and consistently delivers a quality product. Carlos is familiar with the FDOT Design Standards, Manual on Uniform Traffic Control Devices (MUTCD), the Utility Accommodation Manual (UAM), the maintenance contract administration, and the inspection and reporting guidelines.</p>	2012 - Ongoing	NA
<p>e.</p> <p>FDOT D4, SR 817/University Drive (Riviera Blvd to SR 824/Pembroke Road) Broward County, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Quality control manager responsible for this Broward County Metropolitan Planning Organization (MPO) Mobility Project along SR 817/ University Drive. The project aimed to enhance pedestrian, bicycle, traffic, transit, and safety features within its limits. Improvements included new bicycle lanes through milling and widening, upgraded drainage, wider sidewalks with ADA ramps, bus shelters, a pedestrian overpass bridge, upgraded signage, countdown signals, light pole replacements, and improved pedestrian lighting.</p>	2019 - 2022	NA

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

12. NAME Antonio Acosta, PE, CGC	13. ROLE IN THIS PROJECT QA/QC Manager	14. YEARS EXPERIENCE	
		a. TOTAL 39	b. WITH CURRENT FIRM 24

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) Florida International University, FL, B.S. in Civil Engineering (1985)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL No. 40845 (02/09/1989) Certified General Contractor: FL No. 047411 (07/29/1989)
---	--

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

Member of the Cuban-American Association of Civil Engineers (C-AACE)

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Greater Miami Expressway, FL, Central Blvd Widening Realignment & Service Loop Project Miami-Dade County, FL	2011 - 2016	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Roadway and infrastructure task manager responsible for widening Central Blvd from one to two lanes in each direction to increase capacity and included an east-to-west bridge over Perimeter Road to further address congestion. The project involved coordination with airport operations, rental cars, taxis, and shuttles. Included seven bridges, Perimeter Road reconstruction, and Central Boulevard reconfiguration.			
b.	FDOT D6, Reconstruction of the Golden Glades Multimodal Transportation Facility (GGMTF) Miami-Dade County, FL	2019 - 2022	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
The project manager oversaw the construction of a six-story, 2,400-space parking garage, a 4,500 sq. ft. transit hub, 10,450 sq. ft. retail space, passenger waiting areas, Tri-Rail station access via a 910,000 sq. ft. garage and pedestrian bridge, bike parking, multi-bay bus terminals, upgraded and new paths, sidewalks, and road reconstruction.			
c.	Greater Miami Expressway, FL, Reconstruction/Widening of NW 82nd Ave. Miami-Dade County, FL	2011 - 2019	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Engineer-of-record/senior roadway project engineer for the system-to-system connections for the western portion of SR 836 connecting to SR 826 and providing ultimate capacity improvements along the SR 836 mainline. The project enhanced traffic operations and safety at the interchange and surrounding arterials, improving access from NW 87th Avenue and NW 12th Street onto SR 836.			
d.	FDOT D6, Reconstruction of SR 977/Krome Avenue Miami-Dade County, FL	2014 - 2018	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
QA/QC manager for the total roadway reconstruction to address safety and capacity issues along a 3.25-mile segment of SR 977/Krome Avenue. The project addressed head-on collisions by converting a two-lane undivided corridor into a four-lane divided road with a 40-foot median and guardrails. It added 7' bike lanes, a 10' shared path, upgraded intersections, new traffic signals, drainage, lighting, and signage.			
e.	FDOT D6, I-395/SR 836/I-95 Design-Build Miami-Dade County, FL	2011 - 2017	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Project manager/senior roadway engineer for the planning of the existing roadways (SR-836, I-95, I-395 and also covers widening of ramps connecting to SR-836 and improvements to the N. Miami Avenue/NE 2nd Avenue/NE 1st Avenue/Biscayne Boulevard intersection, on and off ramp construction as shown in the concept plans.			

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

12. NAME Eithel Sierra, PE	13. ROLE IN THIS PROJECT QA/QC Roadway and S&PM	14. YEARS EXPERIENCE	
		a. TOTAL 29	b. WITH CURRENT FIRM 25

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) Florida International University, FL, B.S. in Civil Engineering (1995)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL No. 55401 (02/11/2000)
---	--

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

- **Qualifications and Certifications:** Advanced MOT Certification; Adaptive Traffic Control Systems (ATCS) 15 Module Training Course; Traffic Signal Technician, IMSA Level II
- **Memberships and Affiliations:** Member of the American Society of Civil Engineers

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a. FDOT D4, SR 70/Okeechobee Road from Ideal Holding Road to S Rock Road Fort Pierce, FL	2022 - Ongoing	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Senior project manager and QC Manager, for the design and development of roadway plans for an 8-mile high-speed rural facility. This encompassed two RCUT Intersections, acceleration lanes, new sidewalks, and utility coordination. Oversaw public involvement and stakeholder coordination, ensuring a comprehensive and efficient project delivery.		
b. FDOT D4, SR 5/Federal Highway from 6th Avenue N to Arlington Road Miami-Dade County, FL	2022 - Ongoing	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Quality control manager responsible for designing and developing roadway construction plans. The project included traffic calming measures such as a new RRFB crosswalk, raised intersection, and speed feedback signs. Lanes were also repurposed to provide provisions for bike lanes. The project also included sidewalk ADA improvements, utility coordination, public involvement, and coordination with stakeholders.		
c. FDOT D4, SR 5/US-1/Federal Highway from Bailey Street to Eve Street Miami-Dade County, FL	2022 - Ongoing	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Quality control manager responsible for designing and developing roadway construction plans. Project included implementation green colored bike lanes at conflict points, signalization improvements, and lighting improvements. Project also included sidewalk ADA improvements, utility coordination, public involvement, and coordination with stakeholders.		
d. FDOT D4, SR A1A at NE 14th Court and NE 27th Street Wilton Manors, FL	2023 - Ongoing	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Senior project engineer for this safety improvement project to install a mid-block crossing (NE 14 Ct) and new signalized intersection (NE 27 St) due to the City of Ft Lauderdale request to address current jaywalking, including all signal components, controllers, traffic and pedestrian signal heads, vehicle detection, etc. Intersections also required overbuild to maintain existing drainage patterns.		
e. FDOT D6, SR 25/Okeechobee Road Reconstruction Hialeah, FL	2016 - 2020	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Senior project engineer for this significant reconstruction of SR-25 to provide grade separation at the intersection of NW 116th Way. The project included nine new signalized intersections. The electrical power service, electrical service disconnect, mast arms, pedestrian signal head countdowns, video detection system, and pull box were replaced or installed as per the latest standards.		

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

12. NAME Michael Culmo, PE	13. ROLE IN THIS PROJECT QA/QC Structures	14. YEARS EXPERIENCE	
		a. TOTAL 40	b. WITH CURRENT FIRM 28

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) University of Connecticut, CT, M.S. in Civil Engineering (1986) University of Connecticut, CT, B.S. in Civil Engineering (1983)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL No. 69439 (06/08/2022)
---	--


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

Member of the American Society of Civil Engineers | Precast/Prestressed Concrete Institute | Transportation Research Board

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	CTDOT, Major Bridge On-Call Various Cities, CT	2019 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm QA/QC and technical oversight for the design services for major bridges throughout the state. The work generally consists of rehabilitation and preservation designs, including deck evaluation, deck restoration and patching, steel repairs and strengthening, load rating, and substructure rehabilitation. CHA is currently designing six major bridges.		
b.	CTDOT, Interchange Improvements, Exit 29 of Ramp, Interstate 91 (NB) and Routes 5/15 (NB) Hartford and East Hartford, CT	2015 - 2022	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Principal-in-charge for the modifications to I-91 Exit 29, enhancing safety and traffic flow on I-91 NB. This critical interchange links I-91 NB with U.S. 5 and SR 15 via the Charter Oak Bridge. Directed the structural design, load ratings, specifications, and cost estimates. The plan involved altering 7 bridges, including the distinct 5-span Charter Oak Bridge with curved girders.		
c.	CTDOT, Atlantic Street Bridge Replacement Study Stamford, CT	2015 - 2021	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project manager for a task study for replacement options for four bridges carrying the Metro-North Railroad (MNRR) Commuter Railroad over city streets. The study aimed to reduce construction time from five years to under two years. Mike led and facilitated a workshop that included all stakeholders brainstorming ideas to achieve the project goals. Mike was retained during the final design to provide technical expertise for the design of the Atlantic Street bridge. The project was a complete success and has received awards for innovation.		
d.	CTDOT, Bridge Replacement, I-395 NB over Tracy Road Killingly, CT	2011 - 2017	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Senior project engineer for this safety improvement project to install a mid-block crossing (NE 14 Ct) and new signalized intersection (NE 27 St) due to the City of Ft Lauderdale request to address current jaywalking, including all signal components, controllers, traffic and pedestrian signal heads, vehicle detection, etc. Intersections also required overbuild to maintain existing drainage patterns.		
e.	RIDOT, RT 6/RT 10 Interchange Reconstruction Providence, RI	2016 - 2023	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project manager for this \$250 million complex interchange replacement, including constructing nine bridges (seven over Amtrak). Managed the team through the development of the base technical concept plans and the generation of procurement documents, including the base contract, provided extensive assistance with procurement, and worked with RIDOT to provide engineering support and construction management assistance.		

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

12. NAME Eduardo Martinez, PE	13. ROLE IN THIS PROJECT QA/QC Lighting	14. YEARS EXPERIENCE	
		a. TOTAL 45	b. WITH CURRENT FIRM 18
15. FIRM NAME AND LOCATION (City and State)  CHA Consulting, Inc. Doral, FL			
16. EDUCATION (Degree and Specialization) Polytechnic University of Havana, Cuba, B.S. in Electrical Engineering (1979)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL No. 52023 (08/05/1997)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT D4, SR 818/Griffin Road, Highway Lighting Broward County, FL	2020 - Ongoing	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			
Lighting engineer-of-record for this \$1.9 million safety improvement project to upgrade the existing lighting system along SR-818/Griffin Road. Upgrades along SR-818/Griffin Road include replacing high-pressure sodium (HPS) with LED luminaries on existing poles and adding new poles for better illumination, enhancing pedestrian safety and improving lighting system efficiency.			
b.	FDOT D6, SR 25/Okeechobee Road Reconstruction Hialeah, FL	2016 - 2020	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			
The electrical/lighting engineer-of-record for the SR-25/Okeechobee Road reconstruction project with rigid pavement, responsibilities encompassed grade separation over NW 116 Way, reconstruction of NW 116 Way (SR-5 to Hialeah Gardens entrance), Frontage Road realignment/widening, pedestrian/cycling facilities, nine new intersections, and assessment of existing ones for improved infrastructure.			
c.	FDOT D4, SR 809 and Military Trail Riviera Beach, FL	2014 - 2016	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			
Senior project engineer responsible for developing contract plans and specifications for the safety improvements project to install a new lighting system within the project's limits. Extensive utility coordination was necessary, often leading to the design of special spread footers to address utility conflicts.			
d.	FDOT D6, Reconstruction of the Golden Glades Multimodal Transportation Facility (GGMTF) Miami-Dade County, FL	2018 - 2020	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			
ITS senior engineer responsible for preparing construction documents for the roadway ITS design at this facility. The design included communications and electrical infrastructure, a warning gate system and swift sign to control access to I-95 Express Lanes, toll amount dynamic message sign, and other ITS devices such as CCTV cameras.			
e.	FDOT D6, ITS Modifications at U.S.-1 North of SW 17th Avenue Miami-Dade County, FL	2011	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			
The lighting project engineer assisted with the design of the Metrorail guideway. This project widened the US-1 at its intersection with SW 17th Avenue. The existing DMS structure was impacted because of this widening. CHA designed a new ITS dynamic message sign and communicating via fiber optic with corresponding existing infrastructure (FDOT fiber optic backbone) to advise approaching motorists of roadway conditions.			

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

12. NAME Elio Espino, PE, PhD	13. ROLE IN THIS PROJECT QA/QC Traffic & Signals	14. YEARS EXPERIENCE	
		a. TOTAL 27	b. WITH CURRENT FIRM 11

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) Florida International University, FL, Ph.D. in Civil Engineering (2005) Florida International University, FL, M.S. in Civil Engineering (1999) Florida International University, FL, B.S. in Civil Engineering (1997)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: GA, FL No. 58341 (03/19/2002)
--	--

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

Institute of Transportation Engineers - American Planning Association

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT D4, Districtwide Traffic Safety Studies Broward County, FL	2016 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The deputy project manager responsible for this task work order-driven contract. Tasks include field reviews, crash analysis, local agency coordination, developing traffic safety countermeasures, benefit-cost analysis, net present value, arterial/corridor evaluation, signal re-timing, including adaptive systems assessment, and preparing technical memorandums. Elio is responsible for presenting all study findings and recommendations at the monthly Safety Review Committee (SRC) meetings.		
b.	MDC DTPW TSS, Controllers and Implementation of Adaptive Signal Control Along 12 Critical Corridors Miami-Dade County, FL	2017 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The principal traffic engineer provides management support and is actively involved in the active arterial monitoring efforts along SR 5/US 1 (SW 98th Street to SW 16th Street). CHA led the efforts to develop performance measures dashboards for the daily monitoring of arterial operations along this critical segment of SR 5/US 1.		
c.	MDC DTPW TSS, Traffic Management Center Support, SW Region and U.S. 1 Miami-Dade County, FL	2017 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal traffic engineer responsible for leading the efforts to identify maintenance and operational deficiencies at approximately 162 signalized intersections within Miami-Dade County's Traffic Engineering Area 7. Traffic Engineering Area 7 includes SW 8th Street to SW 128th Street and SW 177th Avenue/Krome Avenue to SW 82nd Avenue. Reviews ensured clearance intervals meet standards.		
d.	FDOT D6, Traffic Engineering Data Collection Continuing Services Miami-Dade County, FL	2017 - 2021	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager responsible for a task order-driven contract that comprehends a wide range of traffic data collection tasks, including 7-day traffic counts, turning movement counts (TMCs), 72-hour approach counts, travel time and delay studies, spot speed studies, etc. As part of these projects, CHA currently provides 45 Bluetooth data collection devices installed inside controller cabinets along SR 90 and SR 916.		
e.	FDOT D6, Traffic Engineering Data Collection Continuing Services Miami-Dade County, FL	2011	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Traffic engineer responsible for SR 9A/I-95 emergency stopping sites construction and concrete replacement project. The team was tasked to monitor and evaluate the performance of TSM&O strategy implementation of a traffic diversion system using PCMS boards strategically placed along the project limits at decision points to deter further travel on I-95.		

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

12. NAME Arnelio Alfonso, PE	13. ROLE IN THIS PROJECT QA/QC Drainage	14. YEARS EXPERIENCE	
		a. TOTAL 39	b. WITH CURRENT FIRM 22

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) IPSJAE, Havana, Cuba, B.S. in Civil Engineering (1985); University of Madrid, Spain, Hydrology Coursework (1988)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL No. 52566 (02/17/1998)
---	--

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

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
<p>a.</p> <p>MDC WASD, 48-inch PCCP Force Main Along NW 1st Avenue, NW 2nd Avenue, N. Miami Avenue, and NW 36 Street Miami-Dade County, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>The project manager for this design-build project that involved installing a 48-inch PCCP force main within the City of Miami jurisdiction. Services included utility coordination, preparing a utility x-ref file summarizing all the existing utilities along the project limits, and preparing the 30% Design Package.</p>	2019 - 2021	NA
<p>b.</p> <p>City of Fort Lauderdale, Las Olas Blvd 20-inch Watermain/16-inch Force Main City of Fort Lauderdale, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>The project manager responsible for providing design-build services for the design, permitting, and construction inspection of a water main and force main crossing the Intracoastal Waterway (ICW) in the East Las Olas Boulevard area. The project included designing, permitting, construction, startup, and testing.</p>	2016 - 2020	NA
<p>c.</p> <p>FDOT D6, Districtwide Drainage Design & Plans Review Consultant Services Miami-Dade County, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>Project manager providing plan review services as a subconsultant on this District 6 contract. Tasks include reviewing all aspects of drainage analysis, design, and permit review services; retrofitting existing drainage systems; permit compliance; hydrologic/hydraulic modeling; bridge hydraulics; scour analyses; retention/detention pond, exfiltration trench, and drainage well analysis and design; drainage feasibility studies; analysis and design of drainage "push button" projects; and urban and rural drainage system analysis and design.</p>	2023 - Ongoing	NA
<p>d.</p> <p>City of Miami Beach, Stormwater Pump Station/Miami Beach Convention Center City of Miami Beach, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>Project manager responsible for a task order-driven contract that comprehends a wide range of traffic data collection tasks, including 7-day traffic counts, turning movement counts (TMCs), 72-hour approach counts, travel time and delay studies, spot speed studies, etc. As part of these projects, CHA currently provides 45 Bluetooth data collection devices installed inside controller cabinets along SR 90 and SR 916.</p>	2016 - 2018	NA
<p>e.</p> <p>FDOT D6, U.S. 27/Okeechobee Road Roadway Reconstruction Miami-Dade County, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>Drainage project engineer for improving overall traffic conditions and safety through upgrading the U.S. 27/Okeechobee Road corridor segment from the Broward-Miami-Dade County Line to just east of NW 79th Ave. Roadway improvements include intersection modifications and Frontage Road enhancements. Arnelio was responsible for overseeing the drainage design and plan production for three segments.</p>	2015 - Ongoing	NA

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

12. NAME Alejandro Leon, PE, MSEM	13. ROLE IN THIS PROJECT Task Leader - Roadway and Drainage Design	14. YEARS EXPERIENCE	
		a. TOTAL 17	b. WITH CURRENT FIRM 11

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) Florida International University, FL, M.S. in Engineering Management (2012); University of Florida at Gainesville, FL, B.S. in Civil Engineering (2007)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL No. 74675 (06/08/2012)
--	--

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

19. RELEVANT PROJECTS		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
<p>FDOT D4, SR 804/Boynton Beach Blvd (SR 7/U.S. 441 to Lyons Road) Various Counties, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm The project manager for this resurfacing, restoration, and rehabilitation project along SR-804/Boynton Beach Blvd in Palm Beach County. The project's objectives included narrowing the travel lanes to 11-feet to allow for the expansion of bicycle lanes to 6-feet, constructing new sidewalks, upgrading guardrail connections to the existing bridge over the LWDD E-1 Canal, enhancing signing and pavement markings, and making signalization improvements.</p>	2022 - Ongoing	NA
<p>FDOT D4, SR 7/U.S. 441 at Lake Worth Road Lake Worth, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project manager for a resurfacing, restoration and rehabilitation (RRR) project along SR 7 from South of Lake Worth Road to Lake Worth Drive signalize intersection in Lake Worth, Florida. This project aims to mill and resurface within the project's limits and accommodate future projections of increased volumes of traffic traveling northbound right attempting to access Florida's Turnpike interchange.</p>	2022 - Ongoing	NA
<p>FDOT D4, SR 7/U.S. 441 Transit Corridor Mobility Improvement Group Lauderdale Lakes, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project manager for this Broward County Metropolitan Planning Organization (MPO) mobility priority project. The project aims to improve pedestrian, bicycle, and road safety by adding bike lanes through minor road widening and "road diets." It includes resurfacing, ADA ramp upgrades, and sidewalk improvements. Design variations are documented to avoid utility and drainage conflicts.</p>	2021 - Ongoing	NA
<p>FDOT D4, Districtwide Plans Review Various Counties, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Lead plan reviewer in the roadway, signing and pavement marking, ADA, utility conflicts, and maintenance of traffic for initial engineering, constructability, and biddability submittals to the district. The scope of work of the projects reviewed varied from interchange improvements to RRR, bike/sidewalk, mobility improvements, off-system, and landscape design.</p>	Ongoing	NA
<p>FDOT D6, SR 909/W Dixie Highway (S of NW 129th St to N of NE 151st St) Miami-Dade County, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project manager and engineer of record for this RRR project to mill and resurface SR-909/West Dixie Highway. Improvements included replacing deficient ADA ramps, removing stamped asphalt crosswalks, replacing damaged sidewalks, documenting existing deficiencies infeasible to correct in design variations, and significant access management modification, including the extension of medians and construction of channelization islands.</p>	2021 - 2023	NA

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

12. NAME Victor Venezia, PE	13. ROLE IN THIS PROJECT Roadway and Drainage Design	14. YEARS EXPERIENCE	
		a. TOTAL 5	b. WITH CURRENT FIRM 2

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) Florida International University, FL, B.S. Civil Engineering (2019)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL No. 97089 (09/05/2023)
--	--

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

Software: MicroStation, GeoPak, OpenRoads, GuideSIGN, AutoTURN, AutoCAD Civil 3D, MS Office Applications | Knowledge of FDOT Design Manual, Design Standards, Florida Greenbook, and AASHTO Manual | Bilingual in English and Spanish

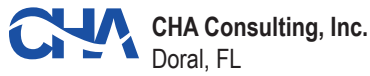
19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT D4, SR 70/Okeechobee Road from Ideal Holding Road to S. Rock Road Broward County, FL	2022 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Civil engineer for designing and developing roadway plans for the 8 mile high speed rural facility. Project included the implementation of two RCUT Intersections and acceleration lanes. Project also included new sidewalk, utility coordination, public involvement and coordination with stakeholders.		
b.	FDOT D4, SR 607/Emerson Avenue (N of SR 614/Indrio Rd to S of 25th St SW) St. Lucie County, FL	2022 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Civil engineer for a RRR project along SR 607/Emerson Avenue in St. Lucie County. The project's scope includes milling and resurfacing the travel lanes and turn lanes throughout the entire length of the project, widening the existing shoulders to 7 feet, and constructing missing sidewalks (8 feet to 12 feet), curb ramps, and detectable warnings northbound from Hibiscus Road to North Blvd.		
c.	FDOT D4, SR 70 (Ideal Holding Road to South Rock Road) St. Lucie County, FL	2022 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Civil engineer responsible for preserving and extending the service life of the existing roadway by milling and resurfacing the existing and enhancing general highway safety. This project includes constructing two restricted crossing U-turn (RCUT) intersections at Shinn Road and S. Header Cana, adding acceleration lanes at RCUT locations, upgrading the existing guardrail, constructing a new sidewalk, drainage improvements, upgrading all signing and pavement markings and installing a new lighting system.		
d.	FDOT D4, SR 804/Boynton Beach Blvd (SR 7/U.S. 441 to Lyons Road) Boynton Beach, FL	2022 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Civil engineer for this resurfacing, restoration, and rehabilitation (RRR) project along SR-804/Boynton Beach Boulevard in Palm Beach County. The project's objectives included narrowing the travel lanes to 11 feet to allow for the expansion of bicycle lanes to 6 feet, constructing new sidewalks, upgrading guardrail connections to the existing bridge over the LWDD E-1 Canal, enhancing signing and pavement markings, and making signalization improvements.		
e.	FDOT D6, SR 924/NW 119 Street/Gratigny Road (NW 27th Ave to NW 7th Ave) Miami-Dade County, FL	2019 - 2021	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Civil engineer for a resurfacing, restoration, and rehabilitation (RRR) along SR 94 in Miami-Dade County. The scope of the project included repaving and restriping the roadway, modifying traffic separators between NW 27th Avenue and NW 22nd Avenue, reconstructing pedestrian crosswalks, sidewalks, driveways, and curb and gutters, upgrading drainage structures, replacing traffic signal mast arms at the intersection of NW 17th Avenue, and upgrading vehicular and pedestrian signs, signals and pavement marking.		

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

12. NAME Michael Perez-Cea, PE	13. ROLE IN THIS PROJECT Roadway and Drainage Design Signing, Pavement Marking, and Channelization	14. YEARS EXPERIENCE	
		a. TOTAL 5	b. WITH CURRENT FIRM 4

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization)

Florida International University, FL, B.S. Civil Engineering (2019)

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

Professional Engineer: FL No. 98100 (01/29/2023)

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

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT D6, SR A1A/Collins Ave (44th Street to North of 4700 Block and Indian Creek Drive from 41st Street to 44th Street) Miami-Dade County, FL	2022 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Civil engineer responsible for preserving and extending the service life of the roadway by milling and resurfacing the existing flexible asphalt pavement and enhancing the general highway safety and operational characteristic of the roadway. This project's scope included minor widening, ADA curb ramp reconstruction, signing and pavement marking and signalization upgrades.		
b.	FDOT D6, SR 90/SW 8th St (E of SW 42nd Ave/LeJeune Rd to NW 27th Ave) Miami, FL	2022 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Roadway engineering intern for a RRR project along SR-90/SW 8th Street. The main goal of this RRR project was to preserve and extend the life of the roadway by milling and resurfacing the existing flexible asphalt pavement and enhancing general highway safety and operational characteristic of the roadway. Improvements include milling and resurfacing; upgrading ADA curb ramps, pedestrian traffic signals, detectors, and signs; and, upgrading signing and pavement markings.		
c.	FDOT D6, SR 909/W. Dixie Highway North Miami, FL	2021 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Roadway engineering intern on a RRR project, tasks involved milling/resurfacing SR-909/West Dixie Highway, ADA ramp replacements, stamped asphalt crosswalk removal, damaged sidewalk replacement, documenting unfeasible deficiencies, and access management modifications like median extensions and channelization islands. Also included were upgraded pedestrian signals, video detection at intersections, backplates, and a new SR-909/NE 9th Avenue intersection.		
d.	FDOT D4, SR 804/Boynton Beach Blvd (SR 7/U.S. 441 to Lyons Road) Boynton Beach, FL	2022 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project engineer for this resurfacing, restoration, and rehabilitation (RRR) project along SR-804/Boynton Beach Boulevard in Palm Beach County. The project's objectives included narrowing the travel lanes to 11 feet to allow for the expansion of bicycle lanes to 6 feet, constructing new sidewalks, upgrading guardrail connections to the existing bridge over the LWDD E-1 Canal, enhancing signing and pavement markings, and making signalization improvements.		
e.	FDOT D4, SR 7/U.S. 441 at Lake Worth Road Lake Worth, FL	2022 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project engineer for this Broward County Metropolitan Planning Organization (MPO) mobility priority project. The project aims to improve pedestrian, bicycle, and road safety by adding bike lanes through minor road widening and "road diets." It includes resurfacing, ADA ramp upgrades, and sidewalk improvements. Design variations are documented to avoid utility and drainage conflicts.		

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

12. NAME Angela Baron-Ruiz, PE, ENV SP	13. ROLE IN THIS PROJECT Drainage Design and Permitting	14. YEARS EXPERIENCE	
		a. TOTAL 16	b. WITH CURRENT FIRM 12

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) Florida International University, FL, B.S. Civil Engineering (2008)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL No. 76984 (01/17/2014) Envision Sustainability Professional (2022)
--	---


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

Memberships and Affiliations: American Society of Civil Engineers; Florida Engineering Society; FIU Dean's List; Chi Epsilon; Tau Beta Pi

19. RELEVANT PROJECTS


(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
<p>a.</p> <p>MDC DTPW, The Underline, Phase II Miami, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Senior drainage engineer responsible for improvements associated with Phase II of the Underline, which extends for approximately 2.14 miles (SW 13th St to SW 19th Ave). The project includes bicycle and pedestrian facilities, landscaping, street furniture, lighting, wayfinding, signage and pavement markings, and amenities such as gathering spaces for events, recreational areas, gardens, and dog parks, etc.</p>	2019 - 2022	NA
<p>b.</p> <p>FDOT D6, SR 25/Okeechobee Road Conceptual Drainage Master Plan Hialeah, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project manager responsible for developing a Conceptual Drainage Master Plan for SR-25/Okeechobee Road (Dade/Broward County Line to NW 79 Avenue). This report outlines the methodology of the design of the stormwater management systems for the entire corridor and the design of pollution reduction and attenuation facilities in the corridor.</p>	2018	NA
<p>c.</p> <p>FDOT D6, SR 25/Okeechobee Road Roadway Reconstruction Hialeah, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Senior project engineer assisting with the design and reconstruction of SR-25/Okeechobee Road (east of NW 116th Way, including flyovers from NB/SB NW 87th Avenue to WB/EB Okeechobee Road), and constructing NW 87th Avenue, Frontage Road, NW South River Drive, NW 103rd Street and NW 106th Street. Angela was responsible for the drainage design for the southern portion of the project, hydraulic analysis for all canals, preparing bridge hydraulic reports and stormwater management reports, and permit coordination.</p>	2016 - Ongoing	NA
<p>d.</p> <p>FDOT D6, Reconstruction of The Golden Glades Multimodal Transportation Facility (GGMTF) Miami-Dade County, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Senior drainage engineer for the design-build project at the Golden Glades Park & Ride Center for upgrading and enhanced mobility at the existing GGMTF. The project featured a six-story parking garage (2,400 spaces), 4,500 sq. ft. transit hub, 10,450 sq. ft. retail space, passenger waiting areas, Tri-Rail station access via a pedestrian bridge from the 910,000 sq. ft. garage, bike parking, multi-bay bus terminals, upgraded paths, sidewalks, and road reconstruction (SR 9, SR 7, Frontage Road).</p>	2019 - 2021	NA
<p>e.</p> <p>FDOT D6, Reconstruction of SR-977/Krome Avenue Miami, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Drainage project engineer assisting with the reconstruction of SR-977. This project proposed a typical section consisting of four 12-foot lanes and a 40-foot median that separate the opposing traffic and reduce head-on collisions, which is the principal cause of fatalities throughout the corridor. The typical section includes 12-foot outside shoulders (5-foot paved), 8-feet inside shoulders (2-foot paved), swales on both sides of the road, and a 10-foot shared-use path on the west side.</p>	2022 - Ongoing	NA

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

12. NAME		13. ROLE IN THIS PROJECT		14. YEARS EXPERIENCE	
Rocio Trimino-Gort, EI		Drainage Design & Permitting		a. TOTAL	b. WITH CURRENT FIRM
				4	3
15. FIRM NAME AND LOCATION (City and State)					
 CHA Consulting, Inc. Doral, FL					
16. EDUCATION (Degree and Specialization)			17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)		
Florida International University, FL, B.S. in Environmental Engineering (2020)			Engineering Intern: FL No. 1100023982 (08/24/2020)		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					

19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT D6, SR 25/Okeechobee Road Reconstruction Hialeah, FL	2016 - 2021	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Junior drainage engineer assisting with the major reconstruction of SR 25 to provide grade separation at the intersection of NW 116th Way. The project consisted of nine new signalized intersections, conventional lighting, signing, and pavement marking (including miscellaneous structures), the installation of a new ITS backbone, major tree relocation, and six new bridges. This project also included the replacement of an existing 96-inch culvert with a 102-inch culvert.			
b.	FDOT D4, SR 817/University Drive (Riviera Blvd to SR 824/Pembroke Rd) Broward County, FL	2019 - 2022	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Junior drainage engineer for this milling and resurfacing project. Improvements included bicycle lanes, drainage improvements (due to widening), sidewalk improvements as necessary to comply with ADA, a new pedestrian bridge crossing South Broward Drainage District Canal No. 1, signing and pavement markings, retrofitting lighting at the signalized intersections, and modifying signals.			
c.	FDOT D4, SR 817/Universty Drive Broward County, FL	2020 - 2021	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Junior project engineer for this Broward County Metropolitan Planning Organization (MPO) Mobility project along SR 817/University Drive from Riviera Boulevard to SR 824/Pembroke Road. Improvements included drainage improvements (due to widening). The project requires extensive coordination with Broward County, the City of Miramar Broward MPO, and stakeholders.			
d.	City of Miami Gardens, Marco Canal Culvert Headwall Replacement and Embankment Stabilization City of Miami Gardens, FL	2020 - Ongoing	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Project engineer for improvements associated with the culvert crossing in Marco Canal at NW 20th Avenue, NW 19th Avenue, NW 18th Avenue, NW 171st Street, and NW 17th Avenue. Improvements include replacing the existing headwalls installing slope stabilization measures on the canal banks due to severe erosion, and rehabilitation 15 culverts consisting of CIPP lining installation. This project also includes sidewalk replacement and stormwater inlets and outfall pipes replacement. Rocio assisted in the overall design, including the hydraulic modeling of the canal, providing coordination with permitting agencies and permit procurement.			
e.	City of Miami Gardens, NE 202nd Terrace Improvements City of Miami Gardens, FL	2021 - 2022	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Drainage engineer for the design of parking, grading and drainage improvements along NE 202nd Terrace, including regrading the existing sod for improved storm runoff conveyance and a proposed drainage system by providing superior roadway drainage while providing necessary water quality treatment and attenuation.			

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

12. NAME Lisette Guon, EI	13. ROLE IN THIS PROJECT Utility Coordination	14. YEARS EXPERIENCE	
		a. TOTAL 22	b. WITH CURRENT FIRM 22
15. FIRM NAME AND LOCATION (City and State)  CHA Consulting, Inc. Doral, FL			
16. EDUCATION (Degree and Specialization) Florida International University, FL, B.S. in Civil Engineering (2002)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Engineer Intern: FL No. 1100022436 (02/14/2004)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT D4, SR 817/University Drive (Riviera Blvd to SR 824/Pembroke Road) Broward County, FL	2019 - 2022	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project utility coordinator for the Broward County MPO mobility project, included improving pedestrian/bicycle facilities, transit, traffic, operations, and safety. This involved milling, resurfacing, widening roads, drainage, curb/gutter, sidewalks, ADA ramps, bus shelters, a new pedestrian overpass, signing/pavement markings upgrades, countdown signals, light pole replacements, and enhanced sidewalk lighting at signalized intersections. [X] Check if project performed with current firm		
b.	FDOT D4, SR-A1A (East of Lyons Bridge to SR-732/Jensen Beach Boulevard) Pedestrian Lighting and Sidewalk Jensen Beach, FL	2016 - 2019	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior utility coordinator for this \$6 million project, consisting in decorative lighting retrofit along SR-A1A. Lisette was responsible for coordinating utility relocation work within the project limits with utility agency owners, identifying potential conflicts of existing facilities with proposed lighting work, utility coordination/relocation with all agencies having jurisdiction in the project area and FDOT D4 Utility Office. [X] Check if project performed with current firm		
c.	FDOT D4, Prospect Road (SR-870/Commercial Blvd to SR-811/N. Dixie Hwy) Broward County, FL	2016 - 2019	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior utility coordinator for the off-system Broward County MPO mobility project to add bicycle lanes using minor widening and lane elimination. The improvements consisted of milling and resurfacing, including bicycle lanes, drainage improvements (due to widening), providing sidewalk improvements as necessary to comply with ADA, upgrading signing and pavement markings, retrofitting lighting at the signalized intersection of Powerline Road, relocating trees, and modifying signals within the limits of the project. [X] Check if project performed with current firm		
d.	FDOT D4, SR-809/Military Trail (Shiloh Drive to SR-710/Bee Line Highway) Riviera Beach, FL	2004 - 2016	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior utility coordinator responsible for developing contract plans and specifications for the safety improvements project to install a new lighting system within the project's limits. The project required extensive utility coordination; in many cases, special foundations (spread footers) were designed to resolve utility conflicts. [X] Check if project performed with current firm		
e.	FDOT D6, SR 25/Okeechobee Road Reconstruction Hialeah, FL	2016 - 2020	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior utility coordinator for this safety and operations project along SR 25/Okeechobee Road to alleviate major traffic impacts on the frontage road and service roads approaching Okeechobee Road, 121st Way, and 116th Way/Hialeah Gardens Boulevard. This project included the major reconstruction of SR 25 to provide grade separation at the intersection of NW 116th Way. [X] Check if project performed with current firm		

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

12. NAME Nereyda Mesa	13. ROLE IN THIS PROJECT Utility Coordination	14. YEARS EXPERIENCE	
		a. TOTAL 26	b. WITH CURRENT FIRM 18

15. FIRM NAME AND LOCATION (City and State)




16. EDUCATION (Degree and Specialization) Polytechnic University of Havana, Cuba, B.S. in Industrial Engineering (1988)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
--	--

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

19. RELEVANT PROJECTS


	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT D4, SR 817/University Drive (Riviera Blvd to SR 824/Pembroke Road) Broward County, FL	2019 - 2021	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior signing and pavement markings designer for the Broward County MPO mobility project, included improving pedestrian/bicycle facilities, transit, traffic, operations, and safety. This involved milling, resurfacing, widening roads, drainage, curb/gutter, sidewalks, ADA ramps, bus shelters, a new pedestrian overpass, signing/pavement markings upgrades, countdown signals, light pole replacements, and enhanced sidewalk lighting at signalized intersections. [X] Check if project performed with current firm		
b.	FDOT D4, SR 823/Flamingo Road at SR 820/Pines Blvd Broward County, FL	2016 - 2019	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior signing and pavement markings designer for this safety improvements project to upgrade the existing signalized intersection from concrete span wired to steel strain pole system, including all signal components such a controller, traffic and pedestrian signal heads, vehicle detection, etc. This intersection had an adaptive traffic signal operation system (Insync) requiring extensive coordination with FDOT and Broward County. The project also upgraded street lighting to meet current horizontal and vertical illumination criteria. [X] Check if project performed with current firm		
c.	FDOT D4, Prospect Road (SR-870/Commercial Blvd to SR-811/N. Dixie Hwy) Broward County, FL	2016 - 2019	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior signing and pavement markings designer for the off-system Broward County MPO mobility project to add bicycle lanes using minor widening and lane elimination. The improvements consisted of milling and resurfacing, including bicycle lanes, drainage improvements (due to widening), providing sidewalk improvements as necessary to comply with ADA, upgrading signing and pavement markings, retrofitting lighting at the signalized intersection of Powerline Road, relocating trees, and modifying signals within the limits of the project. [X] Check if project performed with current firm		
d.	FDOT D4, SR-838/Sunrise Blvd, Safety/New Traffic Signal Broward County, FL	2023	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior signing and pavement markings designer for this safety improvements project to add a signalized pedestrian mid-block across SR 838/Sunrise Boulevard. The scope also included retrofitting the existing lighting at the signalized intersections of NW 15 Avenue, Powerline Road, NW 7 Avenue, NE 5 Terrace, and N. Flagler Drive. [X] Check if project performed with current firm		
e.	FDOT D6, SR 834/Sample Road at Military Trail Broward County, FL	2014 - 2015	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior utility coordinator for this safety and operations project along SR 25/Okeechobee Road to alleviate major traffic impacts on the frontage road and service roads approaching Okeechobee Road, 121st Way, and 116th Way/Hialeah Gardens Boulevard. This project included the major reconstruction of SR 25 to provide grade separation at the intersection of NW 116th Way. [X] Check if project performed with current firm		

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

12. NAME Mark Cissell, PE	13. ROLE IN THIS PROJECT Task Leader - Signing, Pavement Marking, and Channelization	14. YEARS EXPERIENCE	
		a. TOTAL 26	b. WITH CURRENT FIRM 2
15. FIRM NAME AND LOCATION (City and State)  CHA Consulting, Inc. Doral, FL			
16. EDUCATION (Degree and Specialization) Texas Tech University, TX, B.S. in Civil Engineering (1998)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: TX, FL No. 60809 (01/13/2004)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT D4, SR 70/Okeechobee Road from Ideal Holding Rd to S Rock Road Broward County, FL	2022 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Roadway engineer and engineer-of-record responsible for designing and developing roadway plans for the 8 mile high speed rural facility. Project included the implementation of two RCUT Intersections and acceleration lanes. Project also included new sidewalk, utility coordination, public involvement and coordination with stakeholders.		
b.	FDOT D4, SR 5/Federal Highway (6th Avenue North to Arlington Road) Broward County, FL	2022 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project manager and engineer-of-record responsible for designing and developing roadway construction plans. Project included implementation of traffic calming measures such as new RRFB crosswalk, raised intersection, and speed feedback signs. Lanes were also repurposed to provide provisions for bike lanes.		
c.	FDOT D4, SR 5/U.S. 1/Federal Highway (Bailey Street to Eve Street) Broward County, FL	2022 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager and engineer-of-record responsible for designing and developing roadway construction plans. Project included implementation green colored bike lanes at conflict points, signalization improvements, and lighting improvements. Project also included sidewalk ADA improvements, utility coordination, public involvement and coordination with stakeholders.		
d.	FDOT D4, SR 5/Federal Highway from 6th Avenue N to Arlington Road Broward County, FL	2022 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager and engineer-of-record responsible for designing and developing roadway construction plans. Project included implementation of traffic calming measures such as new RRFB crosswalk, raised intersection, and speed feedback signs. Lanes were also repurposed to provide provisions for bike lanes. Project also included sidewalk ADA improvements, utility coordination, public involvement and coordination with stakeholders.		
e.	FDOT D4, Local Agency Program Coordinator Broward County, FL	2021	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Roadway engineer and task lead responsible for completing scoping reports and documents. Mark performed field reviews and completed evaluations, reviewed and updated cost estimates (LRE) based on scoping, and coordinated with District 4 and local agencies for mobility projects received from the Broward County MPO, Palm Beach Transportation Planning Agency, and Treasure Coast Transportation Council.		


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

12. NAME Kevin Hernandez	13. ROLE IN THIS PROJECT Signing, Pavement Marking, and Channelization	14. YEARS EXPERIENCE	
		a. TOTAL 3	b. WITH CURRENT FIRM 3
15. FIRM NAME AND LOCATION (City and State)  CHA Consulting, Inc. Doral, FL			
16. EDUCATION (Degree and Specialization) Florida International University, FL, B.S. in Civil Engineering (2021)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS


	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT D6, SR A1A/Collins Avenue Broward County, FL	2022 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Civil engineer for this RRR project, whose goal was to preserve and extend the service life of the roadway by milling and resurfacing the existing flexible asphalt pavement and enhancing the general highway safety and operational characteristic of the roadway. Improvements included minor widening, ADA curb ramp reconstruction, signing and pavement marking, and signalization upgrades. Kevin prepared the pavement design package and utility adjustment sheets, completed the estimated quantity report, and provided QA/QC of the plans. <input checked="" type="checkbox"/> Check if project performed with current firm		
b.	FDOT D6, SR 7/U.S. 441 NW 16th Street, NW 19th Street & NW 26th Street Broward County, FL	2022 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Civil engineer for this off-state highway system that runs east-west through the City of Lauderhill and the City of Lauderdale Lakes. This is a Broward County Metropolitan Planning Organization (MPO) Mobility Priority project, a streamlined program providing funding for complete street projects. The primary purpose of this project is to add bicycle lanes using minor roadway widening and lane elimination or "road diets." <input checked="" type="checkbox"/> Check if project performed with current firm		
c.	FDOT D6, SR 909/W Dixie Highway (S of NW 129th St to N of NE 151st St) Broward County, FL	2021 - 2023	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Civil engineer for this RRR project; preserve and extend the service life of the roadway by milling and resurfacing the existing flexible asphalt pavement. Improvements included upgrading ADA non-compliant curb ramps, a stormwater pollution prevention plan, temporary traffic control plans, and landscaping coordination. Kevin was responsible for assisting with preparing design exhibits, updating quantities, and updating the cost estimate to analyze the two-way checklist. <input checked="" type="checkbox"/> Check if project performed with current firm		
d.	FDOT D4, Riverland Rd/SW 27th Ave (U.S. 441/SR 7 to Broward Blvd/SR 842) Broward County, FL	2022 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Civil engineer assisting the engineer-of-record for the design variation of the lateral offset for this project. Tasks included creating a tree disposition chart, creating plan sheets depicting substandard tree locations, reviewing the latest five-year crash history report, and implementing comments to the design variation memorandum. A portion of the transportation Investment Generating Economic Recovery (TIGER) grant was awarded to the Broward Metropolitan Planning Organization with federal oversight for five corridors, including this project. <input checked="" type="checkbox"/> Check if project performed with current firm		
e.	FDOT D4, SR 811/Dixie Highway (Sample Road to Hillsboro Blvd) Broward County, FL	2022	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Civil engineer responsible for upgrading S&P markings to the latest standards, addressing pedestrian refuge midblock crossings for transit stops, implementing dynamic envelopes at railroad crossings, and installing high-emphasis markings at signalized intersections. Kevin was responsible for addressing the above in preparing the signing and pavement marking plans per FDOT Standards. He also conducted field visits to check for vertical clearance of overhead signs and took sign inventory. <input checked="" type="checkbox"/> Check if project performed with current firm		

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

12. NAME James Aitken, PE	13. ROLE IN THIS PROJECT Task Leader - Structural Design, & Miscellaneous Structures	14. YEARS EXPERIENCE	
		a. TOTAL 30	b. WITH CURRENT FIRM 8
15. FIRM NAME AND LOCATION (City and State)  CHA Consulting, Inc. Doral, FL			
16. EDUCATION (Degree and Specialization) University of Massachusetts at Amherst, MA, B.S. in Civil Engineering (1994)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL No. 64817 (07/13/2006)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	GDOT, Bridge Bundle #3 2016 Contract #6 Bibb and Macon Counties, GA	2017 - 2020	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager responsible for the delivery of concept design of this four-project bundle of bridges. The bridges in this bundle include PI 0013921 I-475 at CR 742/Tucker Road; PI 0014895 SR 247/Pio Nono Road at NSRR #718364M; PI 0014899 CR 5813/College Street at NSRR #718371X; and PI 0014169 SR 128 at Horse Creek. <input checked="" type="checkbox"/> Check if project performed with current firm		
b.	GDOT, I-75 Widening Project Crisp County, GA	2017 - 2022	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Deputy project manager and senior structural engineer responsible for widening five bridges and replacing three bridges along this corridor of I-75 in southern Georgia. The project replaced overpass bridges at two interchanges along I-75 at SR 257 (8th Avenue East) and CR 361 (Farmer Market Road) and widening of five other bridges along the I-75 mainline over secondary roads, streams and rail lines. <input checked="" type="checkbox"/> Check if project performed with current firm		
c.	GDOT, Bridge Replacement on SR 73/U.S. 301 over Norfolk Southern Railroad Screven County, GA	2011 - 2014	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior structural engineer/engineer of record for the design of two bridge replacements on this project. The existing bridges were replaced using a new roadway alignment. The new bridge over NSRR is a 3-span, 200-foot long, 43-foot wide bridge and consists of a CIP concrete deck on AASHTO PSC beams, supported on the concrete bent substructure and spill-through abutments. The new bridge over Ogeechee River Overflow is a 3-span, 90-foot long, 43-foot wide bridge with reinforced concrete deck girders on pile bent substructure. <input checked="" type="checkbox"/> Check if project performed with current firm		
d.	GDOT, Kia Blvd Over I-85 Design Build Troup Counties, GA	2007 - 2009	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Deputy project manager and senior structural engineer for designing two bridges and the structural walls on this project at the Kia Motors Plant. The project constructed a 384-foot-long interchange bridge on I-85 and a 300-foot-long bridge on the road crossing Long Cane Creek. Jim was responsible for managing the structural design, including resource planning, budget development and management, inter-discipline coordination and implementing the QA/QC process to manage the structural design, including resource planning, budget development, and management of inter-discipline coordination and implementing the QA/QC process. <input checked="" type="checkbox"/> Check if project performed with current firm		
e.	GDOT, NW Corridor (I-75/I-575) Procurement Support Cobb and Cherokee Counties, GA	2013 - 2018	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior structural engineer responsible for supporting the procurement of contractor/designer for this \$1 billion project to provide managed lanes (ML) on I-75 and I-575. The project is 29 miles of reversible ML, beginning at the interchange at I-75/I-285, splitting at the I-75/I-575 interchange and terminating near Hickory Grove Road on I-75 and near Sixes Road on I-575. He served as a subject matter expert for structural and bridge design and construction. Jim provided services, including writing RFP language, developing project specifications, answering proposer questions, and coordinating with GDOT officials.. <input checked="" type="checkbox"/> Check if project performed with current firm		

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

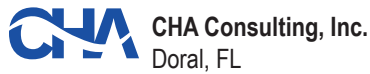
12. NAME Adrian Alfonso, PE	13. ROLE IN THIS PROJECT Structural Design, & Miscellaneous Structures	14. YEARS EXPERIENCE	
		a. TOTAL 10	b. WITH CURRENT FIRM 12
15. FIRM NAME AND LOCATION (City and State)  CHA Consulting, Inc. Doral, FL			
16. EDUCATION (Degree and Specialization) Florida International University, FL. B.S. in Civil Engineering (2014)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL No. 87015 (03/27/2019)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Miami-Dade County, FL, North Miami Avenue Bridge Replacement El Portal, FL	2018 - Ongoing	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		[X] Check if project performed with current firm	
Project engineer for this Miami-Dade County Design-Build project for the replacement of the North Miami Avenue Bridge over Little River Canal. The project involved the replacement of a flat slab bridge using phase construction to maintain traffic during the life of the project. This project also included the design of retaining walls for the new end bent and canal cross-section.			
b.	FDOT D6, Reconstrucion of SR-977/Krome Avnue Miami, FL	2014 - 2020	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		[X] Check if project performed with current firm	
Structural engineer responsible for the design of bridges 871177 and 871178 over the C-102 Canal. The bridges were 69 feet single-span using FIB-36 prestressed girders and pile-supported foundations at the abutments. Other responsibilities included the design of a cantilever retaining wall using 24-inch prestressed pile and precast panels.			
c.	FDOT D4, SR-817/University Drive (Riviera Blvd to SR-824/Pembroke Road) Miami Gardens, FL	2019	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		[X] Check if project performed with current firm	
Project engineer for the pedestrian bridge south of Miramar Boulevard over South Broward Drainage District Canal 1 with a contract amount of \$1.5 million in the City of Miramar, Broward County, Florida. The project was part of a larger contract and included a 59-foot-long, single-span prefabricated steel truss bridge over South Broward Drainage District Canal 1 and the design of multiple bus shelters.			
d.	FDOT D6, SR-25/Okeechobee Road Reconstruction Hialeah, FL	2016 - Ongoing	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		[X] Check if project performed with current firm	
Structural/bridge project engineer for this major reconstruction of SR-25 to provide grade separation at the intersection of NW 116th Way. The project includes four new bridges containing a bridge with flared girder design, a steel girder bridge, and a steel straddle cap. The project also includes nine new signalized intersections with 31 mast arms, culvert design, and miscellaneous foundation designs.			
e.	FDOT D6, Village of Islamorada Pedestrian Bridge at Founders Park Islamorada, FL	2020 - 2021	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		[X] Check if project performed with current firm	
Structural engineer for this FDOT District 6 design-build project with a contract amount of \$4.6 million in the Village of Islamorada, Florida Keys. The project consisted of an 81-foot single-span prefabricated steel truss bridge over US-1 with elevator towers and access ramps. The project provides a safe crossing link between Founders Park and residential areas on the south side of US-1.			

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

12. NAME Roberto Gonzalez, PE	13. ROLE IN THIS PROJECT Structural Design, & Miscellaneous Structures	14. YEARS EXPERIENCE	
		a. TOTAL 6	b. WITH CURRENT FIRM 2

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization)

Florida International University, FL, B.S. in Civil Engineering, Minor in Transportation Structural Engineering (2018)

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

Professional Engineer: FL No. 96815 (07/10/2023)

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

ASCE Miami-Dade Structural Engineering Institute (SEI), Secretary of the Board, 2023-2024

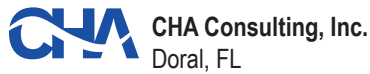
19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT D6, Traffic Engineering Support Services Miami-Dade County, FL	2019 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Structural engineer intern to improve pedestrian and traffic safety at multiple intersections by adding and modifying signals and signs to existing mast arm structures. Roberto oversees the field inspections, analysis of the mast arms with the proposed sign and signal modifications, and design report determining the structural adequacy. He coordinates and communicates with project managers for the proposed improvements to the existing mast arm structures.		
[X] Check if project performed with current firm			
b.	City of South Miami, Pedestrian Bridge over U.S. 1 at SW 71st Street City of South Miami, FL	2022 - 2023	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project engineer responsible for developing the reinforcement bar list, quantities and cost estimates for the pedestrian bridge. Roberto also advances the plans by implementing design revisions from architectural plans and schematics.		
[X] Check if project performed with current firm			
c.	FDOT D6, SR-907/Alton Road (S. of 43rd Street to N. of West 48th Street) City of Miami, FL	2021 - 2022	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Structural engineer for a pump station installation and pipe network along Alton Road for stormwater drainage improvements. Roberto is in charge of the temporary shoring for installing the main 84-inch to -96-inch pipe, manholes and pump station. Roberto is also designing drainage structures, including a pump station and manholes.		
[X] Check if project performed with current firm			
d.	Greater Miami Expressway, General Engineering Consultant Contract City of Miami, FL	2017	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Structures engineering intern for the joint replacement of 80 bridges and bridge jacking for bearing replacement at one site. Roberto provides plans review services, including shop drawing review for the SR-874 design-build project and the GMX portion of I-395, including review of proposals submitted for structural components for compliance with the RFP, approved ATCs, and constructability review.		
[X] Check if project performed with current firm			
e.	FDOT D4, Districtwide Plans Review Support Services Broward County, FL	2018 - 2020	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Structures engineering intern for plans reviews of bridge structures and other structural components, feasibility, constructability, and biddability field reviews and reports. Roberto also assisted with the contract change codes required for biddability field reviews.		
[X] Check if project performed with current firm			

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

12. NAME Dima Poe, PE, IMSA II	13. ROLE IN THIS PROJECT Task Leader - Traffic Engineering and Transportation Planning	14. YEARS EXPERIENCE	
		a. TOTAL 15	b. WITH CURRENT FIRM 10

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) University of Florida, FL, B.S. in Civil Engineering (2004); Florida International University, FL, M.S. in Civil Engineering (2006)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL No. 88878 (01/10/2020)
--	--

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

Advanced MOT Certification; Adaptive Traffic Control Systems (ATCS) 15 Module Training Course; Traffic Signal Technician, IMSA Level II

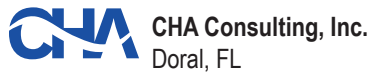
19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a. Miami-Dade County, GES Services for Traffic Signal Operations Miami-Dade County, FL	2021 - Ongoing	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm		
Traffic engineer for this smart traffic initiative. Miami-Dade County Department of Transportation and Public Works (DTPW) is currently engaged to transitioning to a new era that will empower MDC to set the foundation for a smarter county. Dima has supported projects, ensuring that MDC strategic goals for transitioning to newer technologies are met.		
b. FDOT D4, Districtwide Traffic Safety Studies Broward County, FL	2017 - Ongoing	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm		
Traffic engineer for performing field reviews, crash analysis, local agency coordination, and assessing geometric and operational conditions at intersections and along corridors. Dima developed signal retiming reports, and assessed bridge preemption and flush plans. She supported all contract task work orders by inputting projects into the FDOT LRE system.		
c. FDOT D6, SR 25/Okeechobee Road Reconstruction Hialeah, FL	2017 - 2020	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm		
QA/QC engineer for the signalization design for the the SR-25/Okeechobee Road project. The project aimed to lessen traffic at Frontage Road and nearby service roads. It encompassed significant reconstruction at SR-25, including the creation of nine signalized intersections, lighting, signage, pavement marking, and new structures like six bridges. It entailed a major tree relocation and an ITS backbone installation. The project replaced Okeechobee Road's pavement due to heavy truck usage.		
d. FDOT D6, Cow Key Channel Bridges Rehabilitation Miami-Dade County, FL	2020 - Ongoing	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm		
Senior traffic engineer for procuring and installing a Smart Work Zone (SWZ) System that includes CCTV cameras, Bluetooth data devices, and Wi-Fi-capable portable changeable message signs. Dima manages the installation of the SWZ system and the development of the process by which the work zone and the signalized intersections are to be monitored, managed, and operated.		
e. FDOT D6, Districtwide Signal Re-Timing Contract City or County, State	2015 - 2018	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm		
Senior traffic engineering analyst responsible for this task work order-driven contract to perform signal retiming of all the traffic signals in the state highway system within District 6 during a three-year cycle. The project tasks included coordination with signal-maintaining agencies to develop and implement signal timing changes.		

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

12. NAME Sonia Shreffler-Bogart, PE, PTOE	13. ROLE IN THIS PROJECT Traffic Engineering and Transportation Planning	14. YEARS EXPERIENCE	
		a. TOTAL 35	b. WITH CURRENT FIRM 2

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization)

Ohio State University, OH, B.S. in Civil Engineering (1988)

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

Professional Engineer: FL No. 55679 (03/22/2000)
Professional Traffic Operations Engineer (08/2010)

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

FDOT Advanced Temporary Traffic Control (TTC)

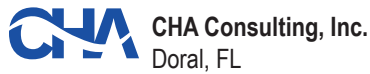
19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a. FDOT D6, Districtwide Traffic Engineering Support Services Consultant Miami-Dade County, FL	2013 - 2022	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm		
Project manager responsible for this Task Work Order (TWO) based contract providing traffic engineering services through the development of various traffic operations and safety studies identified for intersections, arterials, etc., and related improvement recommendations and evaluations. Studies/Analysis, along with supporting tasks.		
b. FDOT D6, Districtwide Traffic Operations Miami-Dade County, FL	2010 - 2018	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm		
Project manager responsible for traffic engineering reports/studies that identify and evaluate/analyze the problems at certain intersections, arterials, etc., and recommend appropriate solution(s) based on an analysis of each recommended improvement's cost-effectiveness. In addition, the study may include highway safety studies/reports identifying and evaluating/analyzing specific problems and recommendations.		
c. City of Miami, Miscellaneous Civil Engineering Services City of Miami, FL	2013 - 2020	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm		
Traffic engineer lead responsible for this task work order (TWO) based contract involves planning and design services, pavement analysis, surveying, roadway analysis, geotechnical, options evaluations, public meetings, detailed assessments and recommendations, cost estimates, opinions of probable construction cost, review of work prepared by sub-consultants and other consultants, field investigations and observations, post design services, construction administration, and other related services.		
d. City of Miami Beach, Active Traffic Management City of Miami Beach, FL	2013 - 2020	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [] Check if project performed with current firm		
Transportation engineer teamed with the Miami Beach Transportation and Police Departments and the Miami Beach Emergency Operation Center (EOC) to develop a traffic monitoring program to minimize traffic congestion associated with the increase in traffic during special events in Miami Beach. A pilot program was developed and deployed at the 2013 Art Basel Miami Beach Art Show from December 5 to December 8, 2013. The program was successful, and continuing traffic monitoring services were requested for the remaining five events in the 2013-2014 season and seven events in the 2014-2015 Season.		
e. FDOT D6, Districtwide Traffic Operations & Safety Studies Consultant Service Miami-Dade County, FL	2013 - 2018	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm		
The project manager for this Task Work Order (TWO) based contract aimed to provide traffic engineering services by developing 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 pedestrian facilities evaluations, mid-block crosswalk evaluations, crash evaluation, and mitigation strategies; signal warrant analysis; arterial analysis/signal retiming; D6 bottleneck location identification and prioritization; D6 Expected Value Analysis (EVA) Update; traffic calming evaluations; qualitative assessments; left turn phase analysis; signalization plans, speed zone study; and mast arm structural analysis.		

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

12. NAME Ehsan Doustmohammadi, PhD, PE, PTOE, RSP1	13. ROLE IN THIS PROJECT Task Leader - Corridor Planning & Traffic Engineering Studies	14. YEARS EXPERIENCE	
		a. TOTAL 17	b. WITH CURRENT FIRM 1

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) University of Alabama at Birmingham, AL, Ph.D. in Civil Engineering (2016) Azad University, Iran, M.S. Civil Engineering (2011) Semnan University, Iran, B.S. Civil Engineering (2007)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL No. 91960 (07/28/2021) Professional Traffic Operations Engineer (PTOE) Road Safety Professional (RSP1)
---	--

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

MOT Certification (2019) | IMSA, Level II (2019) | Remote Pilot No. 4770479

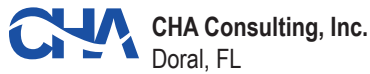
19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a. FDOT D6, Districtwide Traffic Engineering Support Services Consultant Miami-Dade County, FL	2023	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
QA/QC reviewer and Technical Task Leader for this Task Work Order (TWO) based contract providing traffic engineering services through the development of various traffic operations and safety studies identified for intersections, arterials, etc., and related improvement recommendations and evaluations.		
b. FDOT D4, Districtwide Traffic Operations Safety Reviews Studies Broward County, FL	2023	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
Technical task leader and QA/QC reviewer for overseeing safety, pedestrian and bicycle safety studies, road safety audits, pavement resurfacing, restoration, and rehabilitation (3R) safety reviews. The team analyzed crash data from the past seven years to identify patterns and probable causes, developing improvement concepts considering right-of-way constraints, design exceptions, variations, and constructability, and evaluating alternatives based on operations, crash reductions, cost estimates, and Net Present Values.		
c. FDOT D2, Districtwide Traffic Engineering Studies Various Counties, FL	2022	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
Project safety analyst for crash analysis and report preparation for 42 sites as part of a Hazardous Walking Condition Assessment (Gabby's Law). He also assisted in developing a mid-block crossing traffic study for SR 117 (Lem Turner Road) at Ashton Street.		
d. City of Coral Gables, Traffic Impact Study Consulting Services City of Coral Gables, FL	2023	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
Project Manager for the Traffic Impact Study for the proposed Publix LeJeune redevelopment project. The purpose of this study was to conduct a traffic impact analysis of the proposed development on the adjacent roadway network. This study included an analysis of the roadway and intersection capacity, trip generation, trip distribution, and parking generation, and an AutoTURN analysis for the proposed development.		
e. FDOT D5, US 92 Corridor Management Plan Update Various Counties, FL	2020	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
Senior traffic modeler responsible for assessing the Central Florida Regional Planning Model (CFRPM), the base year and updated the study area's socioeconomic data to develop future traffic projections. Furthermore, he coded the existing condition network as well as future condition network for 13 scenarios through a PTV VISSIM microsimulation model. He also evaluated the VISSIM simulation results to compare different alternatives for the design year.		

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

12. NAME Andrew N. Panek, MS, PE	13. ROLE IN THIS PROJECT Corridor Planning & Traffic Engineering Studies	14. YEARS EXPERIENCE	
		a. TOTAL 9	b. WITH CURRENT FIRM 1

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) University of Central Florida, FL, M.S. Civil Engineering (2014) University of Central Florida, FL, B.S. Civil Engineering (2009)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL No. 95115 (10/28/2022)
---	--

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

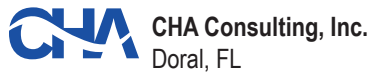
19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a. (1) FDOT D1,3,and 5, Level-of-Service Analysis for the State Highway System Various County, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Andrew served on the team that developed the annual Level-of-Service (LOS) analysis for the state highway system. Tasks included updating the existing and future roadway parameters and the corresponding roadway LOS information, based on the generalized service volumes from the FDOT Quality/LOS Handbook.	2013-2020	NA
b. (1) FDOT D1, Districtwide Interchange Operational Analysis Bartow, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm This contract was to evaluate needed improvements along several I-75 interchanges. A detailed evaluation was performed to identify the deficiencies and corresponding improvements and an interim year scenario. Andrew assisted with interchange profiles for over 10 interchanges and assisted with the interchange analysis including growth and crash analyses for multiple interchanges along I-75.	2018-2019	NA
c. (1) FDOT D3, Districtwide Growth Management Planning Assistance Various Counties, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Andrew was part of the FDOT District 3 Districtwide Growth Management Planning Assistance team and is responsible for supporting the District with our team's expertise in transportation planning, growth management planning, transit planning program management, aviation planning, interstate master plans, interchange justification reports, environmental analyses, and permitting systems analyses.	2018-2019	NA
d. (1) FDOT D5, Design Traffic Services DeLand, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm This contract was to provide professional services for District 5 including maintenance of the design traffic database, coordination of design traffic/ESAL activities, PD&E, IMR/IJR, and design traffic study peer review. Andrew has assisted with many multimodal projects including the American with Disabilities Act (ADA) studies.	2017-2020	NA
e. (1) FDOT D5, Traffic Operations Studies and Suarea/Corridor Planning Continuous Service Contract (CSC) Various Counties, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Andrew worked on, reviewed, and led traffic operations and corridor planning studies for FDOT, Orange, Lake, Seminole, Volusia, Brevard, and Polk Counties. Such studies include Equivalent Single Axle Loading (ESAL) with and without a multimodal study portion which requires extensive knowledge of the Americans with Disabilities Act (ADA) requirements, Efficient Transportation Decision Making (ETDM) Mobility Evaluation, and traffic forecasts.	2013-2020	NA

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

12. NAME Leevenson Calixte, EI	13. ROLE IN THIS PROJECT Corridor Planning & Traffic Engineering Studies	14. YEARS EXPERIENCE	
		a. TOTAL 2	b. WITH CURRENT FIRM 1

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) Florida International University, FL, B.S. Civil Engineering (2022)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Engineering Intern: FL No. 1100027524 (2/28/2024)
--	---

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

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT D6, Districtwide Traffic Engineering Support Services Consultant Miami-Dade County, FL	2023 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Development of various traffic operations and safety studies that will be identified for intersections, arterials, and related improvement recommendations and evaluations. This includes the development of basic types of safety and traffic operations studies such as: Qualitative Assessments, Signal Warrant Analysis, Intersection Analysis, Arterial Analysis, Left turn Phase Warrant Analysis, Composite Studies, and other traffic engineering related studies, such as Fatal Crash Reviews, Speed Zone Studies, and Technical Memorandums. [X] Check if project performed with current firm		
b.	City of Miami, Miscellaneous Transportation and Traffic Engineering Support Services. City of Miami, FL	2023 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE This study to determine the feasibility of constructing a fly-over along SE 3rd Street from the Downtown Distributor off-ramp ramp at SE 2nd Avenue to Biscayne Boulevard. The fly-over ramp along with one at-grade and one Transportation System Management and Operations (TSM&O) alternative is being considered. The improvements considered are in response to on-going, future development, and redevelopment in the area. [X] Check if project performed with current firm		
c.	Miami-Dade County, Preventative Maintenance Support Miami-Dade Counties, FL	2023 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Miami Dade County provides preventative maintenance for existing FDOT traffic signals by performing routine maintenance inspections to determine if certain aspects of an intersection are fully operational, such as detector operations, vehicular and pedestrian signal heads, pedestrian pushbuttons, signal poles, signage and more. Leevenson's work consisted of identifying and reporting deficiencies found in these intersections. [] Check if project performed with current firm		

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

12. NAME Levi Boyle, PE	13. ROLE IN THIS PROJECT Task Leader - CEI & Contract Administration	14. YEARS EXPERIENCE	
		a. TOTAL 11	b. WITH CURRENT FIRM 4

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) Florida International University, FL, B.S. Civil Engineering, Graduated Cum Laude (2013)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL No. 91258 (04/20/2021) TIN: B40052193
---	--

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Asphalt Paving Level I & II; Earthwork Level I & II; Final Estimates; Quality Control Manager; FDOT Advanced Maintenance of Traffic; Drilled Shaft; Concrete Field Inspector

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a. FDOT D6, Districtwide Traffic Operations Push Button, Contract No. E6K33 Miami-Dade County, FL	2017 - 2019	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project administrator for this districtwide push button contract used to address a broad scope of work throughout Miami-Dade and Monroe County. Levi successfully managed 12 task work orders on this project ranging from \$4,000 to \$150,000. Responsible for reviewing the plans and providing comments to the EOR and the Traffic Ops office and coordinated closely with the community outreach specialist and the public.		
b. FDOT D6, Bridge and Widening Project on US-1, Riviera Drive to SW 37 Ave, Contract No. T6420 Coral Gables, FL	2018 - 2019	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior project engineer, project administrator, and contract support specialist for modifying an existing pedestrian bridge, extensive widening to straighten an existing reverse horizontal curve, cross slope corrections using overbuild and variable depth milling, placement of 4,400 tons of asphalt, replacing 3 miles of an ITS backbone with new 144 fiber optic cable and connecting 4 new CCTV cameras, installation of 49 new drainage structures, signal improvements at 3 intersections including mast arm replacements, and lighting improvements along the corridor.		
c. Landscaping Along US 1 between Riviera Drive and SW 37th Ave. Coral Gables, FL	2018 - 2019	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project administrator for the installation of plant material and two separate irrigation systems along US1. Project required very close coordination with The City of Coral Gables. Identified a major design error with new irrigation system prior to construction and pushed for a revision prior to construction which ultimately minimized the impacts to the project.		
d. FDOT D6, Resurfacing Project on US1, Riviera Drive to SW 27 Ave., Contract No. T6465 Coral Gables, FL	2020 - 2020	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project administrator and contract support specialist responsible for this RRR project on US-1. The scope of work on this six-lane divided principal arterial included milling and resurfacing 5,800 tons of asphalt at variable depths, installation of French drain and new drainage structures, signal improvements at six intersections, including retrofitting existing intersections with video detection, and lighting improvements throughout the project corridor.		
e. FDOT D6, Resurfacing Project, SW 72nd Street (SW 87th Court to SW 84th Place), Contract No. T6428 Miami-Dade County, FL	2018 - 2018	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project administrator/contract support specialist for this intersection improvement project, Levi reviewed all contract plans and maintenance of traffic, coordinated several utility relocations due to unforeseen conflicts, and led the milling and resurfacing, signal, lighting, widening and drainage inspections. Levi prepared all progress estimates and the final estimates package.		

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

12. NAME Rhonda Griffis, MCM	13. ROLE IN THIS PROJECT CEI & Contract Administration	14. YEARS EXPERIENCE	
		a. TOTAL 24	b. WITH CURRENT FIRM 1

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) University of Construction, FL, M.S. in Road and Bridge Construction (2017)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) TIN No. G61273264
--	---

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

CTQP Final Estimates Level I & II (Current); CTQP Quality Control Manager Certified (Current); Advanced MOT Certified (Current) FDOT MAC Trained; Project Solve; FDOT Site Manager Trained/Certified; FDOT EDMS Trained/Certified; EEO/DBE/OJT Compliance & Monitoring Certified Resident Compliance Specialist; Public Information Officer; FDEP Certified No. 3484; Project Management Certified

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT D5, Final Estimates Services Various Locations, FL	2015 - 2017	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Final estimates specialist II providing successful execution of various projects while with FDOT D5. Responsibilities encompassed a wide range of critical tasks, including the meticulous tracking of quantities for monthly and final estimates packages across multiple contracts and project administrators. Demonstrated organizational acumen by compiling essential documents into Project Solve Share Point PSSP and scanning into the EDMS, successfully submitting comprehensive and complete final close-out packages.		
b.	FDOT D5, Residency Compliance Services Various Locations, FL	2014 - 2015	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Resident compliance specialist who exhibited an unwavering commitment to Equal Employment Opportunity (EEO) and compliance across all federal and state contracts spanning four counties. Played a pivotal role in ensuring on-the-job training (OJT) compliance, meticulously overseeing and tracking EEO OJT requirements on various projects. Dedication to maintaining high standards of EEO and compliance significantly contributed to fostering a fair and inclusive work environment within the District.		
c.	Wekiva Springs Road Widening and Sidewalk Reconstruction from Fox Valley Road to County Line eminole County, FL	2007 - 2009	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Contract support/final estimates specialist/assistant project manager, which played a pivotal role in the project's success. Took charge of monthly and final estimates, overseeing processing of work orders and change orders, and tracked quantities through various logs. Expertise extended to coordinating and maintaining incoming correspondence, tracking RFIs and shop drawings.		
d.	I-4 Exit Ramp & Conroy Road Widening City of Orlando, FL	2008 - 2010	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Assistant project administrator/contract support specialist responsible for monthly and final estimates. In addition to processing work orders, change orders, and quantity tracking by way of multiple tracking logs, conducted weekly progress meetings with the City of Orlando and other staff. Coordinated with inspection staff daily for construction updates. In addition, all coordination and maintenance of contract correspondence was provided.		
e.	Miscellaneous Projects at SR-408 Central Florida Expressway (CFX), FL	2017 - 2019	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Contract support specialist with a wealth of expertise on the CFX Miscellaneous SR 408 projects. Project scope consisted of various critical initiatives, including milling and resurfacing, re-roofing toll plazas, CFX administration building renovation, system-wide signing, new ramp toll plazas, ramp widening, and implementing new highway lighting for existing major interchanges. Adeptly managed the meticulous task of tracking quantities for monthly and final estimates packages across multiple contracts and project administrators. Role extended to compiling essential documents for scanning into the EDMS and assembling comprehensive final close-out packages.		

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

12. NAME Jose Castellanos	13. ROLE IN THIS PROJECT CEI & Contract Administration	14. YEARS EXPERIENCE	
		a. TOTAL 4	b. WITH CURRENT FIRM 2

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) Universidad IPVC Antonio Maceo, Cuba, A.S. in Information Technology Systems (2002)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) TIN No. C23443283
--	---

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

ATSSA Maintenance of Traffic (MOT); Advance Course; OSHA-10 Certification; CTQP Final Estimates Level I; CTQP Asphalt Paving technician Level I&II; CTQP Earthwork Constructions Level I; CTQP Concrete Field Inspector; Troxler Nuclear Safety Certification; ACI Concrete Field-Testing Technician Grade I.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT D6, E 49th Street (W 3rd Avenue to E 10th Court) Milling and Resurfacing, Signal and Lighting Miami-Dade County, FL	2022 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Roadway inspector responsible for monitoring and reporting contractor activities to the project administrator, preparing daily reports, reporting installed quantities, reviewing maintenance of traffic, and identifying potential improvement areas. Jose oversees the paving operations on the project, prepares the VT reports and reviews the quality control reports. The project scope also consists of mast arm installations, a new controller cabinet installation, light poles, pull boxes, sidewalk, curb ramps, curb and gutter and signing and pavement markings all of which Jose is responsible for inspecting to ensure the work complies with the FDOT contract documents.		
b.	Florida Turnpike Enterprise, Milling & Resurfacing from SW 40th Street to SR-836 Miami-Dade County, FL	2020 - 2021	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm QC roadway for this project from SW 40th Street to State Road 836 for both northbound and southbound components, which include milling and resurfacing, bridge relocation, new and modification to entry/exit ramps of the expressway, cross slope correction, express lane additions, new striping plan, new and modify signals and signs, pavement markings all utilizing extensive maintenance of traffic setups through the day/night operations. As for daily/nightly operations, Jose was responsible for collecting asphalt tickets, taking truck temperatures, measuring cross slopes, preparing daily work reports, quality control asphalt reports, quality control and IV cores, asphalt reports, densities, rolling patterns, and spread rate calculations.		
c.	FDOT D1, US-27 (Hendry County Line to Old US-27) Galdes County, FL	2022 - 2023	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Inspector for this roadway improvements project along US-27 in Glades County. This project consisted of milling up to 4.75 inches and resurfacing 4.2 miles of a 4-lane highway, with overbuilding for cross slope corrections, high polymer structural asphalt, and high polymer FC-5. The project also included widening an auxiliary turn lane at Old US-27, guardrail improvements, shoulder treatment, and signing and pavement markings.		
d.	FDOT D4, Sheridan Street to I-595) and I-595 (W of US-27 to I-75) Milling, Resurfacing, Overbuild, and Widening Project, T4554/T4579 Hollywood, FL	2021 - 2022	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [] Check if project performed with current firm QC roadway inspector on both contracts of this project. Improvements include milling and resurfacing, overbuild for cross slope correction, single and double face guardrail, ditch regrading, new drainage, emergency access crossovers, and signing and pavement markings. Jose was responsible for the asphalt component of both projects, including collecting asphalt tickets, taking truck temperatures, measuring cross slopes, preparing daily work reports, quality control asphalt reports, QC and IV cores, asphalt reports, densities, rolling patterns, and spread rate calculations. Jose also utilized his advanced maintenance of traffic certification to ensure the safety of nightly operations.		

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

12. NAME Lazaro Pedroso	13. ROLE IN THIS PROJECT CEI & Contract Administration	14. YEARS EXPERIENCE	
		a. TOTAL 17	b. WITH CURRENT FIRM 3

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) Polytechnic Superior Institute, Cuba, B.S. in Architecture (2003)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) TIN: P36252579
--	--

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

OSHA 10HRS; Suspended scaffold; Soprema Waterproofing system contractor training; CTQP Asphalt Paving Level 1 & 2; CTQP Earthwork Construction Inspection Level 1 & 2; ACI Concrete Field Testing Tech.; Final Estimates Level 1 (scheduled for course and exam)

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Miami-Dade County, FL, SR-836 Express Bus Service and Park-and-Ride Bus Terminal Tamiami Station Tamiami, FL	2020 - 2021	2020 - 2021
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior roadway inspector for this new Park and Ride project and roadway improvement. Widening for the proposed turn lanes and roadway widening improvements along SW 8 Street which are adjacent to the site; proposed turn lanes at the intersection of SW 8 Street and SW 147 Avenue; median improvements along the roadways on SW 8 Street and on SW 147 Avenue; new lighting and drainage improvements; new signalization at the intersection of SW 8 Street and SW 147 Avenue; and crosswalk improvements associated with roadway work.		
b.	Miami-Dade County - Department of Transportation and Public Works (DTPW), FL, Park-and-Ride Lot at SW 112th Avenue and SW 204th Street Busway Miami-Dade County, FL	2022 - 2023	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior inspector to rehabilitate the existing park-and-ride lot to accommodate approximately 450 parking spaces. Work includes furnishing all supervision, labor, materials, equipment, tools, services, and incidentals necessary for milling, resurfacing of the park and ride, minor widening of the pavement, construction of new sidewalks, upgrades to existing pedestrian ramps and crosswalks, replacement of damaged curbs, signing and pavement markings associated with the new configuration of the lot, parking bumpers lighting upgrades, installation of passenger shelters and sodding in compliance with the latest FDOT standards.		
c.	Miami-Dade County - Department of Transportation and Public Works (DTPW), FL Infrastructure Renewal Project - Metrorail Acoustical Barrier Replacement Miami-Dade County, FL	2021 - 2022	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior inspector responsible for monitoring installation of a new acoustic wall along entire stretch of the Metrorail. This wall is being installed to mitigate noise the Metrorail system generates. Demolishing existing brackets and installing structural posts and panels. Inspecting bolted connections and anchorage system, responsible for verifying project materials conform to plans and approved shop drawings.		
d.	FDOT D6, Florida's Turnpike Enterprise/ Hard Rock Stadium Bridges and Tunnels, Contract # G0T88 City of Miami Gardens, FL	2019 - 2019	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Roadway/bridge senior inspector for installation of a new bridge over NW 199th St, a new bridge over the Turnpike Connector Road, and two pre-cast concrete pedestrian tunnels under the Hard Rock Stadium perimeter road. In charge of inspecting roadway components such as milling and resurfacing, sidewalk, curb and gutter, landscaping, and drainage installations and provided assistance with the inspection of the steel bridges and precast concrete tunnels.		
e.	Inspector, IBA Consultants. Inc. Miami, FL	2017 - 2021	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Senior inspector for glass and glazing, waterproofing, and roofing inspector. Inspections for building envelope; glass and glazing, water proofing systems, roofing systems, exterior wall, claddings for compliance with approved documents, building codes, and industry standards.		

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

12. NAME Mony Manoyrine, PE	13. ROLE IN THIS PROJECT Task Leader - Lighting	14. YEARS EXPERIENCE	
		a. TOTAL 15	b. WITH CURRENT FIRM 1

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) Florida International University, FL, M.S. in Engineering Management (2002) Florida International University, FL, B.S. in Electrical Engineering (1998) New York City College of Technology, NY, A.A.S. in Electrical Engineering Technology (1992)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL No. 62571 (02/14/2005)
--	--

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

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
<p>Construction Project Management for Various Projects Miramar, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [] Check if project performed with current firm Lighting lead and FTTC construction project manager responsible for coordinating the construction of the Comcast Miami Sprint cell tower project, identifying permitting requirements to streamline costs. He took the lead in monitoring the Fiber optic placements to Sprint's Microwave to Lit, Lit to Lit, and Neighborhood expansion sites. Mony was a regular presence at construction meetings, liaising with Sprint, Comcast, and contractors.</p>	2018 - 2021	NA
<p>OSP Engineering Services for Various Projects Fort Lauderdale, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [] Check if project performed with current firm Lighting lead and senior OSP engineer responsible for deploying and turning up AT&T Light Gig and GPON fiber distribution projects. Mony designed fiber placements for GPON and LightGig for SFUs and MDUs. He ensured AT&T's Ethernet service to commercial clients and placed Fiber optic cables at AT&T Cell sites. He supervised the loop EMUX installation to boost fiber capacity.</p>	2015 - 2018	NA
<p>Consultant Construction Management for Electrical Engineering New York, NY</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [] Check if project performed with current firm Lighting consultant/electrical engineer responsible for reviewing and supervising the design and placement of electrical and telecommunication hardware, along with their support structures for the reconstruction of New York City Transit's Bus depots and Subways. Oversaw the commissioning of equipment from HVAC systems to CCTV and various cabling like Ethernet. He ensured ADA compliance, monitored project progress, resolved design issues with RFCs, and managed monthly reports, contractor payments, and timelines.</p>	2012 - 2015	NA
<p>OSP Project Management Miami, FL</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [] Check if project performed with current firm Lighting lead and OSP project manager responsible for overseeing the placement of AT&T cabinets and fiber optic cables to facilitate U-VERSE service. He was responsible for obtaining permits for the installation of telecommunications plant in the public right of way using CAD. Mony adeptly troubleshot and rectified TIRKS failures. He scheduled the activation of Metropolis DMX and DMX Extend muxes to deliver DS1, DS3, and Metro Ethernet Circuits to AT&T's commercial clients. Moreover, he strategically planned the positioning of TA3000s and QDFRs to optimize AT&T's cell sites.</p>	2011 - 2012	NA

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

12. NAME David Sigler, EI	13. ROLE IN THIS PROJECT Lighting	14. YEARS EXPERIENCE	
		a. TOTAL 8	b. WITH CURRENT FIRM 7

15. FIRM NAME AND LOCATION (City and State)  CHA Consulting, Inc. Doral, FL

16. EDUCATION (Degree and Specialization) Florida Atlantic University, FL, B.S. in Electrical Engineering (2016)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Engineer Intern: FL No. 1100023172 (11/08/2019)
---	---

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

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Greater Miami Expressway (GMX), FL, NW 87th Avenue Interchange Reconstruction, Miami, FL	2011 - 2020	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Assistant ITS/lighting project engineer for larger reconstruction effort, providing lighting and ITS design services. The project limits extended from NW 92nd Avenue to NW 82nd Avenue. CHA designed an entirely new lighting system within the project and on all new ramps. The new system was comprised of 21 high mast lights, 71 lighting poles, 20 under-bridge deck luminaires, and 2 service points. As part of our responsibilities for the new lighting system, we also provided lighting calculations, voltage drop calculations, illumination reports, a quality control plan, and shop drawing review/approval.		
b.	FDOT D6, SR-25/Okeechobee Road Reconstruction Hialeah, FL	2016 - 2020	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Assistant ITS/lighting project engineer for SR-25/Okeechobee Road reconstruction using rigid pavement. The scope of this project included grade separation over NW 116th Way, reconstruction of NW 116th Way from SR-5 to the entrance of Hialeah Gardens, realignment and widening of Frontage Road, reconstruction of NW S. River Drive, improvement of pedestrian and bicycles facilities, designing nine new intersections and evaluation of existing ones, and ITS development as per master plan including ADMS, CCTV, MVDS, and TTS.		
c.	FDOT D6, SR-909/W Dixie Highway (South of NW 129th Street to North of NE 151st Street) North Miami, FL	2021 - 2023	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Electrical engineer for this RRR project that included the milling and resurfacing SR-909/West Dixie Highway, replacing deficient ADA ramps, removing stamped asphalt crosswalks, replacing damaged sidewalks, documenting existing deficiencies infeasible to correct in design variations, and significant access management modifications, including extending medians and constructing channelization islands.		
d.	FDOT D6, SR-90/SW 8 Street (East of SW 42nd Avenue/Leune Road to West of NW 27th Avenue) Miami, FL	2020 - 2021	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project electrical engineer for this resurfacing, restoration, and rehabilitation (RRR) project along SR-90/SW 8th Street. The main goal was to preserve and extend the life of the roadway by milling and resurfacing the existing flexible asphalt pavement and enhancing general highway safety and operational characteristic of the roadway. Improvements included milling and resurfacing; upgrading ADA curb ramps, pedestrian traffic signals, detectors, and signs; upgrading signing and pavement markings; and developing Tree Disposition Plans.		
e.	FDOT D4, NE 6th Avenue (SR-816 Oakland Park Boulevard to SR-870/ Commercial Boulevard) Broward County, FL	2017 - 2019	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project electrical engineer responsible for the lighting retrofit for this project. Additional improvements included a new concrete sidewalk, mill and resurface pavement, traffic control analysis, and drainage improvements for existing signalized intersections at Commercial Boulevard and Oakland Park Boulevard.		

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

12. NAME Ricardo Batista, EI	13. ROLE IN THIS PROJECT Lighting	14. YEARS EXPERIENCE	
		a. TOTAL 9	b. WITH CURRENT FIRM 9

15. FIRM NAME AND LOCATION (City and State)  CHA Consulting, Inc. Doral, FL

16. EDUCATION (Degree and Specialization) Florida International University, FL, B.S. in Electrical Engineering (2015)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Engineer Intern: FL No. 1100022468 (03/11/2019)
--	---

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

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a. Greater Miami Expressway (GMX), Reconstruction/Widening of NW 82nd Avenue (NW 7th Street to NW 12th Street) Miami, FL	2011 - 2020	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project engineer responsible for lighting and ITS design services as part of a larger reconstruction project. Within the project and on all new ramps, CHA designed an entirely new lighting system. The new system was comprised of 21 high mast lights, 71 lighting poles, 20 under-bridge deck luminaires, and 2 service points. As part of our responsibilities for the new lighting system, we also provided lighting and voltage drop calculations, illumination reports, a quality control plan, and shop drawing review/approval.		
b. FDOT D6, Reconstruction of SR 977/Krome Avenue (SW 232 Street to South of SW 184 Street/Eureka Drive) Miami, FL	2014 - 2018	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project engineer for the reconstruction of SR 977/Krome Avenue. This project's typical section consists of four 12-foot lanes and a 40-foot median that separates the opposing traffic. The typical section also included 12-foot outside shoulders (5-foot paved), 8-foot inside shoulders (2-foot paved), swales on both sides of the road, and a 10-foot shared-use path on the west side. Additionally, the 5-foot paved shoulder outside both bounds has bicycle pavement markings and is used as bicycle lanes.		
c. FDOT D6, SR 25/Okeechobee Road Reconstruction Hialeah, FL	2017 - 2020	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Electrical project engineer to reconstruct SR 25/Okeechobee Road using rigid pavement. Improvements included grade separation over NW 116 Way, reconstruction of NW 116 Way (SR 5 to the entrance of Hialeah Gardens), realignment and widening of Frontage Road, reconstructing NW S. River Drive, improving pedestrian and bicycles facilities, designing nine new intersections and evaluating existing ones, and ITS development as per the master plan including ADMS, CCTV, MVDS, and TTS.		
d. Greater Miami Expressway (GMX), NW 87th Avenue Interchange Reconstruction Miami-Dade County, FL	2011 - 2020	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project engineer responsible for the lighting and ITS design efforts under a larger reconstruction effort. Within the project and on all new ramps, CHA designed an entirely new lighting system. The new system comprised 21 high mast lights, 71 lighting poles, 20 under-bridge deck luminaires, and 2 service points. As part of our responsibilities for the new lighting system, we also provided lighting calculations, voltage drop calculations, illumination reports, a quality control plan, and shop drawing review/approval.		
e. Miami-Dade County - Water and Sewer Department (WASD), North District Wastewater Treatment Plant Disinfection System (Chlorine Building) Miami, FL	2010 - Ongoing	NA
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Engineer-of-record responsible for upgrading the electrical distribution power system in the chlorination building, replacing existing 1600 A, 480 V, three-phase switchgears and two 1200 A, 480 V, three-phase motor control centers by new ARC flash type.		

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

12. NAME Lidia Regalado, PE, PMP	13. ROLE IN THIS PROJECT Task Leader - Signalization	14. YEARS EXPERIENCE	
		a. TOTAL 13	b. WITH CURRENT FIRM 3

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) Polytechnic University of Catalonia, Spain, M.S. in Electrical, Electronics and Communications Engineering (2009) Polytechnic University of Catalonia, Spain, B.S. in Electrical, Electronics and Communications Engineering (2007)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL No. 97801 (1/20/2024) Project Management Professional (PMP) No. 1908170
---	--

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

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Miami-Dade County, FL, GEC Services for Traffic Signal Operations Miami-Dade County, FL	2021 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Miami-Dade County Department of Transportation and Public Works (DTPW) is currently engaged to transitioning to a new era that will empower MDC to set the foundation for a smarter county. MDC is currently investing more than \$700M over three different projects. As program manager overseeing these projects, ensuring that MDC strategic goals for transitioning to newer technologies are met.		
b.	Miami-Dade County, FL, GEC Services for Traffic Signal Operations: Advanced Traffic Management System (ATMS) Project Miami-Dade County, FL	2021 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm The Traffic Signals & Signs (TSS) Division of the Miami-Dade County DTPW is installing a new state-of-the-art ATMS to better enhance mobility for commuters, transit users, pedestrians, and bicyclists throughout Miami-Dade County. This project includes the upgrade of the County's ATMS Central Software, replacement of approximately 3,000 controllers and installation of additional detection systems at signalized intersections. CHA is the owner's representative providing construction, engineering, and inspection services as part of this initiative.		
c.	Miami-Dade County, FL, GEC Services for Traffic Signal Operations: Bus Rapid Transit Project Miami-Dade County, FL	2022 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm The Bus Rapid Transit Project (South Corridor) is one of the six rapid transit corridors of the Strategic Miami Area Rapid Transit (SMART) Plan. The corridor runs 20-miles in length and connects numerous municipalities which represent some of the fastest growing communities in Miami-Dade County. As program manager, Lidia is responsible of ensuring the full integration of this new system among all stakeholders.		
d.	Miami-Dade County, FL, GEC Services for Traffic Signal Operations: SMART Lighting Project Miami-Dade County, FL	2023 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm MDC seeks to convert the existing streetlights to Smart LED Lights and expand current "Smart City" initiatives adding more capabilities to become a Smart County. As program manager, Lidia is responsible on supporting the County on the transition from a cellular network to a fiber optic communication system scalable to the future needs of MDC.		
e.	South Dade TransitWay Corridor (South Corridor) Project. Design lead for the South Corridor, one the six rapid transit corridors of the SMART Plan Miami-Dade County, FL	2020 - 2021	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm The corridor runs 20-miles in length and connects numerous municipalities which represent some of the fastest growing communities in the County. As design lead, Lidia took and active role on the design of the so-called Grade Crossing Warning System. System entailed a complete integration with a gate controller system, a vehicle detection system, and a preemption system and traffic controller system.		

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

12. NAME Hector Vargas, EI, IMSA II	13. ROLE IN THIS PROJECT Signalization	14. YEARS EXPERIENCE	
		a. TOTAL 5	b. WITH CURRENT FIRM 5

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) Florida International University, FL, B.S. in Civil Engineering (2019)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Engineer Intern: FL No. 1100024229 (11/12/2020)
---	---

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

IMSA Levels I and II; Advanced MOT Certification; Adaptive Traffic Control Systems (ATCS); Unmanned Aircraft General – Small

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT D6, Districtwide Pedestrian and Bicycle Support Conceptual Design Miami-Dade County, FL	2020 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project engineering technician for supporting contract limits and identifying and avoiding potential conflict with proposed roadway work. Survey and field verification of all encountered potential utility conflicts was completed. Hector was responsible for ensuring the County and FDOT standards policies and procedures and design and construction criteria were being followed for each utility coordination/ relocation. He coordinated with FPL to identify service points for ITS, signal, lighting, and landscape lighting. He was also responsible for the conceptual design, cost estimate, and preparation for several proposed signalization along the project limits.		
b.	FDOT D6, Push Button Inspector for Signalization, Roadway, Signing and Pavement Marking, and Lighting for Traffic Operation Miami-Dade County, FL	2021 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Traffic inspector for the FDOT D6 traffic operation office, performing field inspections to guarantee the installation of all signals, signing and pavement marking, and roadway components to comply with current FDOT Standard plans, MUTCD, and FDM. Hector was also responsible for addressing and coordinating with the contractor to ensure all the punch list items were handled correctly.		
c.	FDOT D6, Districtwide Pedestrian, and Bicycle Support Miami-Dade County, FL	2016 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Traffic engineering analyst for evaluating the need for marked crosswalks according to the Department's Traffic Engineering Manual (TEM). Hector also performs field reviews, crash analysis, and assesses the need to enhance existing marked crosswalk locations using FHWA's Manual on Uniform Traffic Control Devices (MUTCD). Also, among his tasks is assessing the operational impacts of proposed conditions at signalized intersections using Synchro/ SimTraffic 10.0 and preparing technical memorandums.		
d.	FDOT D6, Districtwide Contract: SR-817-University Drive from N of WB SR-84 to N of NW 1st Street, FPID: 432066-9-52-01 Broward County, FL	2020 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Traffic designer supporting signal improvements along the project limits. The detection used a video detection system with a combo unit projecting Radar/Video at the four signalized intersections. This project was listed for Broward County as a pilot project to develop advance traffic signals.		
e.	FDOT D4, Districtwide Minor Project Traffic Design Miami-Dade County, FL	2020 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project engineer and traffic designer for the signalization and lighting design along the project corridors and performing the scope of services and fees for several TWO.		

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

12. NAME Juan C. Peña, EI, IMSA II	13. ROLE IN THIS PROJECT Signalization	14. YEARS EXPERIENCE	
		a. TOTAL 41	b. WITH CURRENT FIRM 6

15. FIRM NAME AND LOCATION (City and State)



16. EDUCATION (Degree and Specialization) University of Miami, FL, B.S. in Civil Engineering (1979)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Engineering Intern: CA No. 47747 (01/09/1980)
--	---

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

Advanced MOT Certification; IMSA Traffic Signal Technician Level I & II

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT D6, SR-25/Okeechobee Road Reconstruction Miami-Dade County, FL	2016 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Traffic signal and pavement marking plans reviewer for the major reconstruction of SR-25 to provide grade separation at the intersection of NW 116th Way. The project includes nine new signalized intersections where the electrical power service, electrical service disconnect, all required mast arms, pedestrian signal head countdowns, video detection system and pull box will be replaced or installed new as per the latest standards. Juan is responsible for reviewing the traffic signalization plans and the signs and pavement marking plans. <input checked="" type="checkbox"/> Check if project performed with current firm		
b.	FDOT D6, Districtwide Pedestrian and Bicycle Support. FIN: 435573-2-32-01 Miami-Dade County, FL	2019 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior traffic engineer performing field review, analyzed data, and prepared preliminary report to determine the need for an unmarked crosswalk at SE 2nd Avenue and SE 3rd Street. <input checked="" type="checkbox"/> Check if project performed with current firm		
c.	FDOT D6, Districtwide Traffic Engineering Studies & Engineering Reviews Miami-Dade County, FL	2018 - Ongoing	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior traffic engineer responsible for performing miscellaneous engineering reviews of traffic operations and safety studies, signing/pavement marking and signalization plans, access management/ traffic impact studies, and permits reviews (including reviews of proposed maintenance of traffic plans regarding utility permits). Juan has conducted over 100 reviews within the various areas listed. <input checked="" type="checkbox"/> Check if project performed with current firm		
d.	Miami-Dade County - Department of Transportation and Public Works & FDOT D6, SR-25/US-27/Okeechobee Road Reconstruction from East of NW 107th Ave. to East of NW 116th Way Hialeah Gardens, and Town of Medley, FL	2016 - 2018	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Traffic engineering supervisor for nine traffic signal engineers and one traffic signal technician. Juan trained others in the new Econolite 2070LX controllers and accompanying Centracs software, assisted in the development of new signal timings for the NW 36 Street pilot project as well as assisted with the countywide deployment of 2070LX controllers at 296 intersections along with identifying priority 12 Congestion Management Corridors. <input checked="" type="checkbox"/> Check if project performed with current firm		
e.	Miami-Dade County Department of Transportation and Public Works, FL, Traffic Engineering Miami-Dade County, FL	1983 - 2003	NA
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Traffic area engineer in charge of developing Signal Operating Plans (SOPs), on-line signal timing and time-space requirements for proper traffic signal synchronization and traffic progression for over 500 signalized intersections using NEMA controllers on the county's Urban Traffic Control System (UTCS). In the 1990s, when the county switched to D170 controllers and later changed the system to the Advanced Traffic Management System (ATMS) with new software (KITS), it utilized experience and knowledge in programming the D170 controllers to adapt to the new system. <input checked="" type="checkbox"/> Check if project performed with current firm		

CHA's Personnel Certificates and Licenses

Ron DeSantis, Governor
Melanie S. Griffin, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

BORGES, JENNIFER
1291 REDBIRD AVENUE
MIAMI SPRINGS FL 33166

LICENSE NUMBER: PE78660
EXPIRATION DATE: FEBRUARY 28, 2025
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

Ron DeSantis, Governor
Melanie S. Griffin, Secretary

STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

ACOSTA, ANTONIO G
8935 NW 35TH LANE
SUITE 205
DORAL FL 33172

LICENSE NUMBER: PE40845
EXPIRATION DATE: FEBRUARY 28, 2025
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

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

Florida dbpr Department of Business & Professional Regulation
HOME CONTACT US MY ACCOUNT

ONLINE SERVICES
Apply for a License
Verify a Licensee
View Food & Lodging Inspections
File a Complaint
Continuing Education Course Search
View Application Status
Find Exam Information
Unlicensed Activity Search
AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS 4:08:31 AM 3/7/2023

Licensee Information
Name: ACOSTA, ANTONIO GUILLERMO (Primary Name)
A G C CONSULTING CIVIL ENGINEERS AND GENERAL CONTRACTORS, INC (DBA Name)
Main Address: 8935 NW 35 LANE SUITE 200
DORAL, Florida 33172
County: DADE

License Information
License Type: Certified General Contractor
Rank: Cert General
License Number: CGC047411
Status: Current,Active
Licensure Date: 07/29/1989
Expires: 08/31/2024

Special Qualifications
Qualification Effective
Construction Business 02/20/2004

Alternate Names

Ron DeSantis, Governor
Melanie S. Griffin, Secretary

STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

SIERRA, EITHEL M.
15784 S.W. 90TH TERRACE
MIAMI FL 33196

LICENSE NUMBER: PE5401
EXPIRATION DATE: FEBRUARY 28, 2025
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

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

Florida dbpr Department of Business & Professional Regulation
HOME CONTACT US MY ACCOUNT

ONLINE SERVICES
Apply for a License
Verify a Licensee
View Food & Lodging Inspections
File a Complaint
Continuing Education Course Search
View Application Status
Find Exam Information
Unlicensed Activity Search
AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS 4:04:26 PM 2/29/2024

Licensee Information
Name: CULMO, MICHAEL P. (Primary Name)
Main Address: 38 BISSELL ROAD
HEBRON Connecticut 06248
County: OUT OF STATE

License Information
License Type: Professional Engineer
Rank: Prof Engineer
License Number: 69439
Status: Current,Active
Licensure Date: 03/20/2009
Expires: 02/28/2025

Special Qualifications
Qualification Effective
Structural 1 03/20/2009

Alternate Names

[View Related License Information](#)

Ron DeSantis, Governor
Melanie S. Griffin, Secretary

STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

MARTINEZ, EDUARDO LUIS
2230 NE 15TH LANE
CAPE CORAL FL 33909

LICENSE NUMBER: PE52023
EXPIRATION DATE: FEBRUARY 28, 2025
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

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



HOME CONTACT US MY ACCOUNT

ONLINE SERVICES

- Apply for a License
- Verify a Licensee
- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS 1:19:19 PM 7/25/2023

Licensee Information



Name:	ESPINO, ELIO ROBERTO (Primary Name)
Main Address:	13539 SW 117 LANE MIAMI Florida 33186
County:	DADE
License Mailing:	13539 SW 117 LANE MIAMI FL 33186
County:	DADE
License Location:	8935 35 LANE SUITE 200 DORAL FL 33172
County:	DADE

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	58341
Status:	Current,Active
Licensure Date:	03/19/2002
Expires:	02/28/2025

Special Qualifications **Qualification Effective**

Ron DeSantis, Governor Melanie S. Griffin, Secretary


STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES



ALFONSO, ARNELIO
12211 SW 81 TER
MIAMI FL 33183

LICENSE NUMBER: PE52566
EXPIRATION DATE: FEBRUARY 28, 2025
Always verify licenses online at MyFloridaLicense.com



Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

Ron DeSantis, Governor Melanie S. Griffin, Secretary


STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES


GIL-MERA, CARLOS M
8935 NW 35 LANE SUITE 205
DORAL FL 33172

LICENSE NUMBER: PE43953
EXPIRATION DATE: FEBRUARY 28, 2025
Always verify licenses online at MyFloridaLicense.com



Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

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



HOME CONTACT US MY ACCOUNT

ONLINE SERVICES

- Apply for a License
- Verify a Licensee
- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS 4:10:45 AM 3/7/2023

Licensee Information

Name:	GIL MERA, CARLOS M (Primary Name)
Main Address:	KARMIL CONSTRUCTION, INC (DBA Name) 8935 NW 35TH LANE SUITE 200 DORAL Florida 33172
County:	DADE

License Information



License Type:	Certified General Contractor
Rank:	Cert General
License Number:	CGC056647
Status:	Current,Active
Licensure Date:	
Expires:	08/31/2024

Special Qualifications **Qualification Effective**

Construction Business	10/17/2013
-----------------------	------------

Alternate Names

Ron DeSantis, Governor Melanie S. Griffin, Secretary


STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES



POE, DIMA HADDAD
725 NE 22ND STREET
APT 15D
MIAMI FL 33137

LICENSE NUMBER: PE88878
EXPIRATION DATE: FEBRUARY 28, 2025
Always verify licenses online at MyFloridaLicense.com



Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

Ron DeSantis, Governor Melanie S. Griffin, Secretary


STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES


SHREFFLER-BOGART, SONIA LIZA
1441 SW 12TH STREET
MIAMI FL 33135

LICENSE NUMBER: PE55679
EXPIRATION DATE: FEBRUARY 28, 2025
Always verify licenses online at MyFloridaLicense.com



Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

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



HOME CONTACT US MY ACCOUNT

ONLINE SERVICES

- Apply for a License
- Verify a Licensee
- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS 1:17:29 PM 7/25/2023

Licensee Information

Name: CISSELL, MARK STACEY (Primary Name)
 Main Address: 8935 NW 35 LANE
 SUITE 200
 DORAL Florida 33172
 County: DADE

License Information

License Type: Professional Engineer
 Rank: Prof Engineer
 License Number: 60809
 Status: Current,Active
 Licensure Date: 01/13/2004
 Expires: 02/28/2025

Special Qualifications Qualification Effective

Alternate Names

[View Related License Information](#)

Ron DeSantis, Governor Melanie S. Griffin, Secretary




STATE OF FLORIDA
 DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
 BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES


PEREZ-CEA, MICHAEL IGNACIO
 690 SW 1ST COURT
 UNIT 1427
 MIAMI FL 33130

LICENSE NUMBER: PE98100
EXPIRATION DATE: FEBRUARY 28, 2025
 Always verify licenses online at MyFloridaLicense.com



Do not alter this document in any form.
 This is your license. It is unlawful for anyone other than the licensee to use this document.

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



HOME CONTACT US MY ACCOUNT

ONLINE SERVICES

- Apply for a License
- Verify a Licensee
- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS 6:29:51 AM 8/10/2023

Licensee Information

Name: DOUSTMOHAMMADI, EHSAN (Primary Name)
 Main Address: 8452 MODIANO ST
 ORLANDO Florida 32827
 County: ORANGE

License Information

License Type: Professional Engineer
 Rank: Prof Engineer
 License Number: 91960
 Status: Current,Active
 Licensure Date: 07/28/2021
 Expires: 02/28/2025


Special Qualifications Qualification Effective

Civil 07/28/2021

Alternate Names

[View Related License Information](#)

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



HOME CONTACT US MY ACCOUNT

ONLINE SERVICES

- Apply for a License
- Verify a Licensee
- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS 4:13:56 PM 2/29/2024

Licensee Information

Name: PANEK, ANDREW N (Primary Name)
 Main Address: 915 BUIST AVENUE
 ORLANDO Florida 32828
 County: ORANGE

License Information

License Type: Professional Engineer
 Rank: Prof Engineer
 License Number: 95115
 Status: Current,Active
 Licensure Date: 10/28/2022
 Expires: 02/28/2025


Special Qualifications Qualification Effective

Civil 08/03/2018

Alternate Names

[View Related License Information](#)

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



HOME CONTACT US MY ACCOUNT

ONLINE SERVICES

- Apply for a License
- Verify a Licensee
- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS 4:17:59 PM 2/29/2024

Licensee Information

Name: AITKEN, JAMES MALCOLM (Primary Name)
 Main Address: 2115 SEAMAN WAY
 ATLANTA Georgia 30341

License Information

License Type: Professional Engineer
 Rank: Prof Engineer
 License Number: 64817
 Status: Current,Active
 Licensure Date: 07/13/2006
 Expires: 02/28/2025



Special Qualifications Qualification Effective

Civil 07/13/2006

Alternate Names

[View Related License Information](#)
[View License Complaint](#)

Ron DeSantis, Governor Melanie S. Griffin, Secretary





STATE OF FLORIDA
 DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
 BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

ALFONSO, ADRIAN
 8351 SW 38 STREET
 MIAMI FL 33155

LICENSE NUMBER: PE87015
EXPIRATION DATE: FEBRUARY 28, 2025
 Always verify licenses online at MyFloridaLicense.com



Do not alter this document in any form.
 This is your license. It is unlawful for anyone other than the licensee to use this document.

Ron DeSantis, Governor
Melanie S. Griffin, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

GONZALEZ, ROBERTO MANUEL
6401 SW 16TH TERRACE
MIAMI FL 33155

LICENSE NUMBER: PE96815
EXPIRATION DATE: FEBRUARY 28, 2025
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

Ron DeSantis, Governor
Melanie S. Griffin, Secretary

STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

LEON, ALEJANDRO A.
14881 SW 43 STREET
MIAMI FL 33185

LICENSE NUMBER: PE74675
EXPIRATION DATE: FEBRUARY 28, 2025
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

Ron DeSantis, Governor
Melanie S. Griffin, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

VENEZIA, VICTOR ANDRES
7039 SW 115TH PLACE
APT E
MIAMI FL 33173

LICENSE NUMBER: PE97089
EXPIRATION DATE: FEBRUARY 28, 2025
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

Ron DeSantis, Governor
Melanie S. Griffin, Secretary

STATE OF FLORIDA
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

BARON-RUIZ, ANGELA MARIA
16133 SW 44TH LN
MIAMI FL 33185

LICENSE NUMBER: PE76984
EXPIRATION DATE: FEBRUARY 28, 2025
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.

ENVISION

ANGELA BARON-RUIZ
ENVISION SUSTAINABILITY PROFESSIONAL

Has received the Envision Sustainability Professional credential upon successful completion of the requisite training and exam.

Nov 30, 2022
Issued On

Nov 30, 2024
Valid Through

Anthony O. Rosen
Anthony O. Rosen, President and CEO
Institute for Sustainable Infrastructure

Institute for Sustainable Infrastructure

#50592

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

dbpr Florida Department of Business & Professional Regulation

HOME CONTACT US MY ACCOUNT

ONLINE SERVICES

- Apply for a License
- Verify a Licensee
- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS 3:10:47 PM 8/18/2023

Licensee Information

Name: MANOYRINE, MONY (Primary Name)
Main Address: 28760 NW MIAMI PLACE
MIAMI Florida 33169
County: DADE

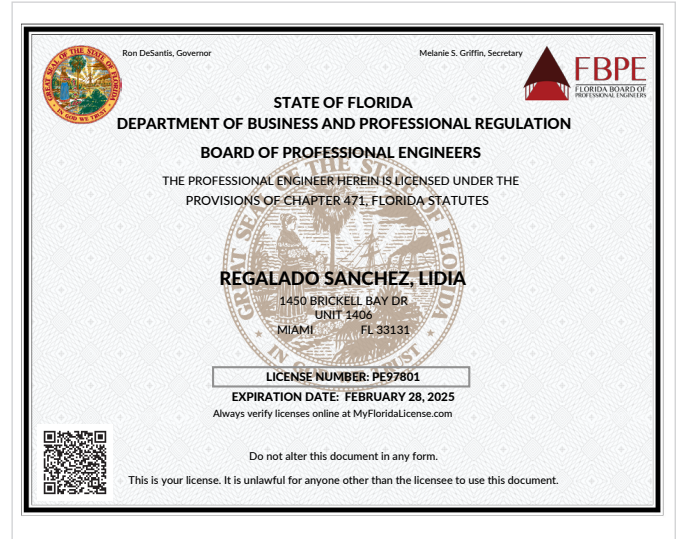
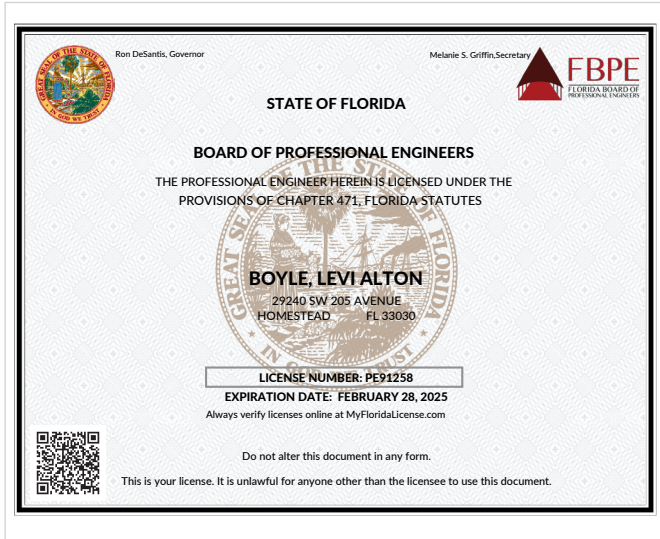
License Information

License Type: Professional Engineer
Rank: Prof Engineer
License Number: 62571
Status: Current,Active
Licenseure Date: 02/14/2005
Expires: 02/28/2025

Special Qualifications

Qualification Effective
Electrical & Computer 08/25/2004

Alternate Names



CTQP Training History Report

Report for: Jose Castellanos
TIN: C23443283
Report Date: 03/08/2024

Valid Qualifications

Qualification Name	Certificate Number	Valid from	Expires on
Asphalt Paving Level 1	3002497	03/31/2021	03/31/2026
Asphalt Paving Level 2	3005048	07/02/2021	07/02/2026
Concrete Field Technician Level 1	3012610	05/26/2022	05/12/2027
Earthwork Construction Inspection Level 1	3006925	09/25/2021	09/25/2026
Final Estimates Level 1	3012069	04/28/2022	04/28/2027

CTQP Training History Report

Report for: Lazaro Pedrosa
TIN: P36252579
Report Date: 03/08/2024

Valid Qualifications

Qualification Name	Certificate Number	Valid from	Expires on
Asphalt Paving Level 1	3007323	10/16/2021	10/16/2026
Asphalt Paving Level 2	3015778	10/07/2022	10/07/2027
Earthwork Construction Inspection Level 1	3007495	10/23/2021	10/23/2026
Earthwork Construction Inspection Level 2	3020518	04/27/2023	04/27/2028
Final Estimates Level 1	3026042	12/01/2023	12/01/2028
Final Estimates Level 2	3027131	01/23/2024	01/23/2029

CTQP Training History Report

Report for: Levi Boyle
TIN: B40052193
Report Date: 03/08/2024

Valid Qualifications

Qualification Name	Certificate Number	Valid from	Expires on
Final Estimates Level 1	3020017	04/24/2023	04/24/2028
Final Estimates Level 2	3020016	04/24/2023	04/24/2028
QC Manager	N/A	01/19/2018	01/01/2099

CTQP Training History Report

Report for: Rhonda Griffis
TIN: G61273264
Report Date: 03/08/2024

Valid Qualifications

Qualification Name	Certificate Number	Valid from	Expires on
Final Estimates Level 1	3025886	11/18/2023	11/18/2028
Final Estimates Level 2	3025887	11/18/2023	11/18/2028

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Eugene Collings-Bonfill, PE	13. ROLE IN THIS CONTRACT Civil Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 15	b. WITH CURRENT FIRM <1 year

15. FIRM NAME AND LOCATION *(City and State)*
C.A.P. Engineering, Inc. Coral Gables, Florida

16. EDUCATION <i>(Degree and Specialization)</i> B.S. of Civil Engineering, University of Miami, M.S., Civil Engineering, MBA, Florida International University	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> State of Florida Professional Engineer 77583, TX, GA, LA, PSM-FL (7037)DBIA (D-3135) PMP (#1620796)
---	---

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Professional Surveyor and Mapper and Certified Flood Plain Manager. Twenty-two (22) years of experience in the engineering and construction industry of surveying, engineering design, program and project management, CEI and construction. Extensive work on a wide range of City of Doral, City of Miami, Miami-Dade Expressway Authority (MDX) roadway design and construction projects, which encompass a broad range of skill sets including Surveying.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> City of Doral, Citywide Sidewalk Improvements Phase 1 project - FDOT LAP Project* Doral FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i> 2019

a. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
The City developed a Transportation Master Plan in 2016 which concluded that one of the necessary projects was additional sidewalks to fill in missing gaps for pedestrian mobility and increased safety. The City was awarded a \$1 Million dollar TAP Grant from FDOT for the construction of the project. Overseeing and managing the design, construction, and CEI of the project which consisted of the construction and installation new sidewalks, roadway widening, milling & resurfacing, drainage, signage, and pavement markings.

(1) TITLE AND LOCATION <i>(City and State)</i> City of Doral, NW 82 Avenue between NW 25 Street and NW 33 Street	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(If applicable)</i> 2020

b. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
Roadway widening; Project Length: Approximately 0.637 miles, Project Duration: 240 Calendar Days (3/19 – 2/20), Project Cost: \$1,947,798.52 – Construction of roadway widening, stormwater drainage system, curb and gutter, lighting, signalization, and signing and pavement markings.

(1) TITLE AND LOCATION <i>(City and State)</i> City of Doral, NW 112 Avenue (NW 25 Street) - Roadway Widening, Doral, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2020	CONSTRUCTION <i>(If applicable)</i> 2021

c. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
Project Length: Approximately 0.811 miles, Project Duration: Overseeing and managing the design, construction, and CEI of the widening of NW 112 Avenue, between NW 25 Street and NW 33 Street, from three to five lanes, which includes Maintenance of Traffic, shared use path, sidewalks, clearing and grubbing, curb and gutter, stormwater drainage system, milling, paving, lighting, signalization, and roadway signing and pavement markings

(1) TITLE AND LOCATION <i>(City and State)</i> City of Doral, NW 102 Avenue between NW 66 Street and NW 74 Street – New roadway construction, Doral, Florida, US	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(If applicable)</i> 2020

d. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
Overseeing and managing the design, construction, and CEI of a new three lane roadway corridor along NW 102 Avenue between NW 66 Street and NW 74 Street, within the City of Doral, which includes Right-of-Way acquisition, Maintenance of Traffic, clearing and grubbing, curb and gutter, retaining wall, roadway base and stabilized subgrade, milling, paving, lighting, drainage, roadway signing and pavement markings.

(1) TITLE AND LOCATION <i>(City and State)</i> Doral Blvd Transit Improvements, Doral, Florida, US – Bus Shelter Construction	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i> 2018

e. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
Overseeing and managing the design, construction, and CEI of city funded and county funded bus shelters on a citywide basis. Managed the civil, structural and survey services required for the installation of 20 bus shelters within the City of Doral boundaries. The scope of work included the installation of shelters along existing sidewalks and swales which required reconstruction or regrading, and the addition of pedestrian facilities (sidewalk, ADA ramps, curb and gutter)

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Issac Villanueva, EI	13. ROLE IN THIS CONTRACT Civil Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 3	b. WITH CURRENT FIRM <1years

15. FIRM NAME AND LOCATION *(City and State)*
C.A.P. Engineering, Inc. , Coral Gables, Florida

16. EDUCATION <i>(Degree and Specialization)</i> B.S. of Civil Engineering	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Engineering Intern #1100025081
---	---

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

U.S. Army Veteran
Unmanned Aerial Vehicle Repair, MOS 15E

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Road Evaluation, City of South Bay, Florida	2022	2023
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Collaborated as a member of a team of Civil Engineers in conducting a comprehensive assessment of the road infrastructure and sidewalks for the City of South Bay. Contributed to the creation of a detailed road evaluation report to provide an accurate overview of the current conditions and identified areas of improvement.	<input checked="" type="checkbox"/> Check if project performed with current firm	
Road Reconstruction - NW 10th Avenue, City of South Bay	2023	Present
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Assisted in the preparation and modification of engineering drawings using CADD software. Collaborated with the project team to ensure accuracy and adherence to design specifications in the CADD.	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Miguel A. Lockward, PE	13. ROLE IN THIS CONTRACT Civil Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 5	b. WITH CURRENT FIRM 1
15. FIRM NAME AND LOCATION <i>(City and State)</i> C.A.P. Engineering, Inc., Coral Gables, Florida			
16. EDUCATION <i>(Degree and Specialization)</i> B.S. of Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> State of Florida Professional Civil Engineer - 88558	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> President - ASCE Miami Chapter			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Genesis Oaks, Miami Lakes, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2022	CONSTRUCTION <i>(If applicable)</i> N/A
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Engineer of Record - Provided professional engineering services for the design, permitting bidding assistance, and limited construction services of stormwater improvements within the Genesis Oaks neighborhood. The project is bounded by NW 91st Court (West), NW 169th Street (North), NW 89th Place (East), and NW 167th Street (South).		
(1) TITLE AND LOCATION <i>(City and State)</i> Sevilla Estates Phase, Miami Lakes, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2022	CONSTRUCTION <i>(If applicable)</i> N/A
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Engineer of Record - Provided professional engineering services for the design, permitting bidding assistance, and limited construction services of stormwater improvements within the Sevilla Estates neighborhood. The project is bounded by NW 89th Court (West), NW 169th Terrace (North), NW 87th Court (East), and NW 168th Street (South).		
(1) TITLE AND LOCATION <i>(City and State)</i> Sevilla Estates Phase 2 - Miami Lakes, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2022	CONSTRUCTION <i>(If applicable)</i> N/A
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Engineer of Record - Provided professional engineering services for the design, permitting bidding assistance, and limited construction services of stormwater improvements within the Sevilla Estates neighborhood. The project is bounded by NW 89th Court (West), NW 167th Street (North), NW 87th Court (East), and NW 166th Terrace (South).		
(1) TITLE AND LOCATION <i>(City and State)</i> Village of Biscayne Park Drainage Improvements – Village of Biscayne Park	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2022	CONSTRUCTION <i>(If applicable)</i> 2023
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Engineer of Record: Scope consisted of providing design-build professional engineering services for the design, permitting, and limited construction services of stormwater improvements within the Biscayne Park Neighborhood. The project is bounded by NW 89th Court (West), NW 167th Street (North), NW 87th Court (East), and NW 166th Terrace (South). The project includes approximately 3,500 LF of roadway milling and resurfacing, and approximately 2,600 LF of drainage improvements, including HDPE pipes and exfiltration trench.		
(1) TITLE AND LOCATION <i>(City and State)</i> NW 96th Redesign - Medley FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(If applicable)</i> 2024
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Project Engineer: Scope consisted of providing professional engineering design services for the design, permitting, bidding assistance, and limited construction services for the roadway reconstruction and drainage improvements along NW 96th Street from SW River Drive to NW 87th Avenue. The project includes approximately 2,650 LF of roadway reconstruction and 2,620 LF of HDPE pipe drainage improvements and an outfall structure.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME John Gorham, PLA	13. ROLE IN THIS CONTRACT Landscape Architect	14. YEARS EXPERIENCE	
		a. TOTAL 39	b. WITH CURRENT FIRM 6

15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates Inc, Maitland, FL

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Arts / Landscape Architecture	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> FL / Registered Landscape Architect
---	--

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
 Mr. Gorham is a principal landscape architect with CMA's landscape architecture team. Starting his career as a county park planner, his experience includes diverse experience in design, grant writing, public involvement, project management and FDOT landscape architecture. Mr. Gorham also has experience in the construction of underground utilities, paving and stormwater facilities providing him broad experience in urban design, site planning, and development for a wide variety of public and private sector projects throughout Florida.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
a.	(1) TITLE AND LOCATION <i>(City and State)</i> Design and Construction Administration Services for Galt Ocean Mile Streetscape Improvements	PROFESSIONAL SERVICES 2024	CONSTRUCTION <i>(If Applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Landscape Architect. After designing the conceptual plans for the Galt Mile Streetscape Project, CMA was contracted to provide full contract documents for the design and construction of the corridor. The purpose of this project was to develop a conceptual design and opinion of probable cost to upgrade and beautify the Galt Ocean Mile corridor, emphasizing traffic calming and bicyclist and pedestrian improvements. The proposed upgrades included milling and resurfacing of roadway; re-striping; bike lanes; sidewalk widening; relocation of existing trees; replacement and addition of landscape material; new streetlight fixtures; decorative paver hardscape incorporated into sidewalks, unloading areas, & crosswalks; raised crosswalks and/or raised intersections; and landscape lighting.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Currie Park Phase II - Architectural and Engineering Services	PROFESSIONAL SERVICES 2024	CONSTRUCTION <i>(If Applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Landscape Architect. CMA is currently planning Phase II activities which will include Design, Construction Documentation, Permitting, and Construction Administration. This scope of services for Phase II is predicated on the approved Currie Park Master Plan developed by the CMA team and approved by the Community Redevelopment Agency Board and City Commission in 2021. The CMA team provided professional services to the West Palm Beach CRA during Phase I of the project	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION <i>(City and State)</i> I-4 Ultimate Project Orlando, FL	PROFESSIONAL SERVICES 2024	CONSTRUCTION <i>(If Applicable)</i> 2024
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Landscape Architect. CMA was part of the design-build team working to complete the I-4 Ultimate project. Our experienced staff, working with the Landscape Architect of Record, conduct field reviews to observe layouts and make recommendations on adjustments for utilities, sign view zones, stormwater management facilities, and other infrastructure. The complexity of the project requires adaptations of the design, which often changes to respond to field conditions and local preferences.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION <i>(City and State)</i> SR A1A from S of International Dr to Long Point Rd	PROFESSIONAL SERVICES 2024	CONSTRUCTION <i>(If Applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Landscape Architect. Landscape architecture services for SR A1A from International Dr. to Long Point Rd.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	(1) TITLE AND LOCATION <i>(City and State)</i> TWO 2: Florida's Turnpike Enterprise General Engineering Consultant for Transportation Development	PROFESSIONAL SERVICES 2024	CONSTRUCTION <i>(If Applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Landscape Architect. HEFT at Caribbean Blvd. Interchange. This project involves development of a new landscaping plan for the existing interchange. The new landscaping is intended to be a continuation of the landscaping theme that was designed by CMA directly adjacent to the interchange location along US 1. This full-service landscape design project includes all landscaping plans, irrigation plans, electrical plans, specifications, utility coordination, and environmental services.	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Eric Harrison, PLA	13. ROLE IN THIS CONTRACT Landscape Architect	14. YEARS EXPERIENCE	
		a. TOTAL 21	b. WITH CURRENT FIRM 11
15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates, West Palm Beach, FL			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science / Landscape Architecture		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> FL / Registered Landscape Architect	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Mr. Harrison is a principal landscape architect for CMA's landscape architecture team. He is proficient in Florida's plant palette, local environmental conditions, and site-specific microclimates used to prepare aesthetic and functioning landscape designs. Mr. Harrison is well versed in the use of low-impact development techniques specifically applied to site planning, and has extensive experience with parks and recreation facilities throughout Florida.			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
a.	(1) South Pointe Phase III/IV/V - Right-of-Way Improvement Project Miami Beach, FL	2012	2016
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Landscape Architect. CMA was responsible for providing surveying, planning, geotechnical investigation, design, permitting, preparation of construction documents, bid and award and construction engineering and inspection services for infrastructure improvements within the public right of way areas of the South Pointe III/IV/V neighborhood of Miami Beach.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) Broward County UAZ 110/111 & 113 - 113B Lauderdale Lakes, FL	2022	2022
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Landscape Architect. The Water and Sanitary Sewer Improvements for the UAZ 110/111 & 113 Project will include the improvements to the existing water distribution system, sanitary sewer system, and transmission systems within the project area along with the restoration of surface areas disturbed for the construction of said improvements. All projects combined a total area of over 1000 acres within multiple Cities.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) Central Bayshore South Right of Way Infrastructure Improvements Miami Beach, FL	2016-2019	2017-2019
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Landscape Architect. The Central Bayshore South Right-of-Way Infrastructure Improvement Program is an approximately \$18M Design-Build Project located in Miami Beach, Florida. The project limits stretch from Dade Boulevard north to West 34 Street and from Meridian Avenue east to the Indian Creek waterway. The project included the reconstruction and elevation of roadways within the project area, driveway and swale harmonization, a new stormwater collection, conveyance, treatment, and pump station system, new transmission and distribution watermains, a new multi-use bike/pedestrian path, improved street lighting, improved roadway signage and pavement markings, and appropriate landscape mitigation.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) Miami Beach Sunset Islands 3 & 4 ROW Improvement Program Miami Beach, FL	2014-2020	2015-2020
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Landscape Architect. CMA provided civil engineering and landscape architecture for the utility infrastructure and roadway reconstruction of two islands (Sunset Islands 3 and 4) off the Miami Beach west coast, along the inter-coastal waterway. The project was publicly bid as a design-build and funded by the City of Miami Beach.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	(1) Miami Dade County-Empowerment Center Miami, FL	2021	2021
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Landscape Architect. CMA provided civil engineering and landscape architecture services on a multi-use facility in southern Miami-Dade County for the county's Internal Services Department. The program for the project scope includes a center that shall accommodate sixty (60) beds (with flexibility to expand in the future) in a multi-purpose facility of approximately 28,000 square feet. Approximately 4 acres of the site (+/- 9.2 acres site) will be developed with other portions of the site to be cleared, demolished and sodded only. MDC desires to create a welcoming, safe and accessible shelter environment that supports patrons and families.	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Eduardo M. Suarez, PSM	13. ROLE IN THIS CONTRACT Chief Surveyor - Principal	14. YEARS EXPERIENCE	
		a. TOTAL 38	b. WITH CURRENT FIRM 19

15. FIRM NAME AND LOCATION *(City and State)*
Longitude Surveyors, LLC

16. EDUCATION <i>(Degree and Specialization)</i> AA, Miami Dade College (1993)	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Professional Surveyor and Mapper FL License No. LS6313 (2001)
---	---

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Eduardo (Eddie) Suarez, PSM, is an accomplished Chief Surveyor with an illustrious career spanning 38 years in the surveying industry. As the Principal of Longitude Surveyors, he has demonstrated unparalleled expertise in leading and managing surveying projects of varying scales, ensuring precision and excellence in every endeavor.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> City of Coral Gables, Coral Gables, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Longitude Surveyors scope of services under this contract includes topographic and as-built surveys, Geographical Information System (GIS) databases, and data sets for the Public Works Department and Capital Improvement Program projects. Mr. Suarez is the Chief Surveyor and Principal on this contract.		
(1) TITLE AND LOCATION <i>(City and State)</i> General Land and Engineering Surveying and Mapping Services, Miami-Dade County Water and Sewer Department, Miami, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm The scope of services under this contract consists of land surveying services for water and sanitary sewer systems, sanitary sewage collection and transmission systems, water and sanitary sewage pumping facilities, water and sanitary sewage treatment plants and any other similar surveying services for related projects. Mr. Suarez is the Chief Surveyor and Principal on this contract.		
(1) TITLE AND LOCATION <i>(City and State)</i> Districtwide Miscellaneous Location Survey Consultant (BDI), FDOT District 6, Miami, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Longitude Surveyors is providing all necessary professional surveying & mapping services to support topographic and/or mapping projects as directed and/or inquired by the Florida Department of Transportation (FDOT) District 6. Mr. Suarez is the Chief Surveyor and Principal on this contract.		
(1) TITLE AND LOCATION <i>(City and State)</i> Citiwide Surveying Services, City of Miami Beach, Miami Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Longitude Surveyors scope of services under this contract includes topographic and as-built surveys, Geographical Information System (GIS) databases, and data sets for the Public Works Department and Capital Improvement Program projects. Mr. Suarez is the Chief Surveyor and Principal on this contract.		
(1) TITLE AND LOCATION <i>(City and State)</i> Town of Southwest Ranches, Davie, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Longitude Surveyors scope of services under this contract is surveying and mapping services on a continuing basis throughout the Town of Southwest Ranches. Mr. Suarez is the Chief Surveyor and Principal on this contract.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME John Adler, PSM	13. ROLE IN THIS CONTRACT Senior Surveyor / Subsurface Utility Engineering (SUE) Specialist	14. YEARS EXPERIENCE	
		a. TOTAL 43	b. WITH CURRENT FIRM 10

15. FIRM NAME AND LOCATION *(City and State)*
Longitude Surveyors, LLC

16. EDUCATION <i>(Degree and Specialization)</i> AA, Palm Beach College (1984)	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Professional Surveyor and Mapper FL License No. LS4693 (1984)
---	---

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
John Adler, PSM is Highly skilled Senior Surveyor with a specialized focus on Subsurface Utility Engineering (SUE) techniques, offering 43 years of expertise in the field. By leveraging his knowledge of SUE standards, he has consistently delivered high-quality, reliable, and safe surveying solutions to a diverse range of clients.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Citiwide Surveying Services, City of Coral Gables, Coral Gables, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Longitude Surveyors scope of services under this contract includes topographic and as-built surveys, Geographical Information System (GIS) databases, and data sets for the Public Works Department and Capital Improvement Program projects. Mr. Adler is the Senior Surveyor and SUE Specialist on this contract.		
(1) TITLE AND LOCATION <i>(City and State)</i> General Land and Engineering Surveying and Mapping Services, Miami-Dade County Water and Sewer Department, Miami, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm The scope of services under this contract consists of land surveying services for water and sanitary sewer systems, sanitary sewage collection and transmission systems, water and sanitary sewage pumping facilities, water and sanitary sewage treatment plants and any other similar surveying services for related projects. Mr. Adler is the Senior Surveyor and SUE Specialist on this contract.		
(1) TITLE AND LOCATION <i>(City and State)</i> Districtwide Miscellaneous Location Survey Consultant (BDI), FDOT District 6, Miami, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Longitude Surveyors is providing all necessary professional surveying & mapping services to support topographic and/or mapping projects as directed and/or inquired by the Florida Department of Transportation (FDOT) District 6. Mr. Adler is the Senior Surveyor and SUE Specialist on this contract.		
(1) TITLE AND LOCATION <i>(City and State)</i> Town of Southwest Ranches, Davie, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Longitude Surveyors scope of services under this contract is surveying and mapping services on a continuing basis throughout the Town of Southwest Ranches. Mr. Suarez is the Chief Surveyor and Principal on this contract. Mr. Adler is the Senior Surveyor on this project.		
(1) TITLE AND LOCATION <i>(City and State)</i> Citiwide Surveying Services, City of Miami Beach, Miami Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Longitude Surveyors scope of services under this contract includes topographic and as-built surveys, Geographical Information System (GIS) databases, and data sets for the Public Works Department and Capital Improvement Program projects. Mr. Adler is the Senior Surveyor and SUE Specialist on this contract.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Daryll Hauser, PSM	13. ROLE IN THIS CONTRACT QA/QC Manager	14. YEARS EXPERIENCE	
		a. TOTAL 31	b. WITH CURRENT FIRM 5

15. FIRM NAME AND LOCATION *(City and State)*
Longitude Surveyors, LLC

16. EDUCATION <i>(Degree and Specialization)</i> BS, Surveying & Mapping University of Florida (1990) Post Baccalaureate Study (1992)	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Professional Surveyor and Mapper FL License No. LS6277
--	--

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Darryl J. Hauser, PSM is a results-driven Surveying QA/QC Manager with 33 years of experience in ensuring the highest standards of quality and accuracy in surveying projects.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Citiwide Surveying Services, City of Miami Beach, Miami Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Longitude Surveyors scope of services under this contract includes topographic and as-built surveys, Geographical Information System (GIS) databases, and data sets for the Public Works Department and Capital Improvement Program projects. Mr. Hauser is the QA/QC Manager on this contract.		
(1) TITLE AND LOCATION <i>(City and State)</i> General Land and Engineering Surveying and Mapping Services, Miami-Dade County Water and Sewer Department, Miami, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm The scope of services under this contract consists of land surveying services for water and sanitary sewer systems, sanitary sewage collection and transmission systems, water and sanitary sewage pumping facilities, water and sanitary sewage treatment plants and any other similar surveying services for related projects. Mr. Hauser is the QA/QC Manager on this contract.		
(1) TITLE AND LOCATION <i>(City and State)</i> Districtwide Miscellaneous Location Survey Consultant (BDI), FDOT District 6, Miami, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Longitude Surveyors is providing all necessary professional surveying & mapping services to support topographic and/or mapping projects as directed and/or inquired by the Florida Department of Transportation (FDOT) District 6. Mr. Hauser is the QA/QC Manager on this contract.		
(1) TITLE AND LOCATION <i>(City and State)</i> Town of Southwest Ranches, Davie, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Longitude Surveyors scope of services under this contract is surveying and mapping services on a continuing basis throughout the Town of Southwest Ranches. Mr. Hauser is the QA/QC Manager on this contract.		
(1) TITLE AND LOCATION <i>(City and State)</i> City of Coral Gables, Coral Gables, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Longitude Surveyors scope of services under this contract includes topographic and as-built surveys, Geographical Information System (GIS) databases, and data sets for the Public Works Department and Capital Improvement Program projects. Mr. Hauser is the QA/QC Manager on this contract.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Carlos Mercado, PE, MS	13. ROLE IN THIS CONTRACT Senior Geotechnical Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 31	b. WITH CURRENT FIRM 11
15. FIRM NAME AND LOCATION (City and State) Universal Engineering Sciences – Delray Beach, FL			
16. EDUCATION (Degree and Specialization) BS, Civil Engineering MS, Geotechnical Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer – FL #71707 Geotechnical Engineer – Puerto Rico	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) Rivera Beach Fire Station – Rivera Beach, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2022	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Branch Manager/Principal Geotechnical Engineer – This project was an existing Fire Station that was demolished, and a new 2-story building was constructed in its place. GFA dba UES performed geotechnical and environmental evaluations.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State) Proposed Lift Station - Hollywood, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2022	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Branch Manager/Principal Geotechnical Engineer - GFA dba UES performed a geotechnical evaluation for the construction of the new lift station.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State) PBC Courthouse – West Palm Beach, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2022	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Branch Manager/Principal Geotechnical Engineer - GFA dba UES performed geotechnical evaluations for SOG and water intrusion assessments.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State) Temporary Fire Station – Fort Lauderdale, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2022	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Branch Manager/Principal Geotechnical Engineer - GFA dba UES performed construction materials testing for this temporary fire station.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	(1) TITLE AND LOCATION (City and State) Sunrise Municipal Complex - Sunrise, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2021	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Branch Manager/Principal Geotechnical Engineer - Construction of a Five-story City Hall with associated site work, a three-story parking structure, a covered walkway connecting the new parking structure to the existing community center, a pedestrian promenade, a lake observation deck, and the amphitheater renovations/additions. GFA dba UES performed construction materials testing and inspections.	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Alberto Mercado, PE		13. ROLE IN THIS CONTRACT Geotechnical Department Manager		14. YEARS EXPERIENCE	
				a. TOTAL 6	b. WITH CURRENT FIRM 6
15. FIRM NAME AND LOCATION (City and State) Universal Engineering Sciences – Delray Beach, FL					
16. EDUCATION (Degree and Specialization) BS, Civil Engineering, University of Central Florida			17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer - FL #95703		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	WTC Tamarac – Tamarac, FL	2021	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Department Manager – UES was contracted by the City of Tamarac to perform geotechnical investigations that included 9 borings and exfiltration testing.		
<input type="checkbox"/> Check if project performed with current firm			
b.	STA-1W Refurbishments – Palm Beach County, FL	2022	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Department Manager – UES was contracted to perform geotechnical evaluation that included demo and removal of ten CMP culverts (G-253 A-J) located in the South Florida Water Management District's (SFWMD) Stormwater Treatment Area 1 West (STA-1W).		
<input checked="" type="checkbox"/> Check if project performed with current firm			
c.	Proposed Lift Station - Hollywood, FL	2021	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Department Manager – GFA dba UES performed a geotechnical evaluation for the construction of the new lift station.		
<input checked="" type="checkbox"/> Check if project performed with current firm			
d.	CSA12-WUD Project No 20-071 – Belle Glade, FL	2022	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Department Manager – UES performed geotechnical evaluations for a Palm Beach County Water Utilities Department project that included utility adjustments for the City of Belle Glade road resurfacing project.		
<input checked="" type="checkbox"/> Check if project performed with current firm			
e.	Sunrise Municipal – Sunrise, FL	2021	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Department Manager – Construction of a Five-story City Hall with associated site work, a three-story parking structure, a covered walkway connecting the new parking structure to the existing community center, a pedestrian promenade, a lake observation deck, and the amphitheater renovations/additions. GFA dba UES performed construction materials testing and inspections.		
<input checked="" type="checkbox"/> Check if project performed with current firm			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Edwin Oviedo Granatty	13. ROLE IN THIS CONTRACT Construction Services Department Manager	14. YEARS EXPERIENCE	
		a. TOTAL 5	b. WITH CURRENT FIRM 5
15. FIRM NAME AND LOCATION (City and State) Universal Engineering Sciences (UES) – Miami, FL			
16. EDUCATION (Degree and Specialization) BS, Civil Engineering, Universidad Gran Mariscal de Ayacucho		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) ACI Concrete Transportation Construction Inspector; TIP/CSL; CTQP Concrete Paving – Level I; CTQP Auger Cast Pile Inspector; CTQP Concrete Field Technician – Level I CTQP Earthwork Construction Inspection - Levels 1 and 2; CTQP Pile Driving Inspection; CTQP QC Manager; FDOT Concrete Field Inspector Specification			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) E6J53 SR-836/I-395 Reconstruction Design-Build (Signature Bridge) – Miami, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE UES is performing construction materials testing for the I-395/SR 836/I-95 Project is a partnership between the Florida Department of Transportation (FDOT) and the Miami-Dade Expressway Authority (MDX), with construction limits on State Road (SR) 836 beginning at NW 17 Avenue and continuing through the SR 836/I-395/I-95 (Midtown) Interchange to the MacArthur Causeway Bridge. The limits on I-95 are from NW 8 Street to NW 29 Street. This project includes enhancements to three major Miami corridors: I-395/SR 836/I-95. Edwin serves as Construction Services Department Manager.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State) E4S44-Broward I-95 Exp Lanes Phase 3C – Miami, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2024	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE UES is providing Contractor Quality Control (CQC) services as subconsultant to Archer-Western deMoya JV. This effort is a Florida Department of Transportation (FDOT) project; thus construction and related services are occurring per all applicable FDOT manuals, memoranda and guidelines. Edwin serves as Construction Services Department Manager.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State) Doral City Place 7 – Doral, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2024	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE As subconsultant to Lincoln Property, UES is providing materials testing and inspections, including soil and concrete testing, special inspections, and threshold inspections. Edwin serves as Construction Services Department Manager.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State) Symphony Park Hotel – Miami Beach, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2022	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE As subconsultant to Ortega Construction Company, UES provided construction materials testing, including specialty testing. Edwin served as Construction Services Department Manager.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	(1) TITLE AND LOCATION (City and State) E6N08 Bridge Repair - Miami, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE UES is providing Contractor Quality Control (CQC) services as subconsultant to Kiewit Infrastructure South Co. This effort is a Florida Department of Transportation (FDOT) project; thus construction and related services are occurring per all applicable FDOT manuals, memorandums and guidelines. Edwin serves as Construction Services Department Manager.	<input checked="" type="checkbox"/> Check if project performed with current firm	

Subconsultants' Certificates and Licenses

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

HOME CONTACT US MY ACCOUNT

ONLINE SERVICES

- Apply for a License
- Verify a Licensee
- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS 12:47:42 PM 8/2/2023

Licensee Information

Name:	COLLINGS BONFILL, EUGENE JOSEPH (Primary Name)
Main Address:	15288 SW 176 TERRACE MIAMI Florida 33187
County:	DADE
License Mailing:	15288 SW 176 TERRACE MIAMI FL 33187
County:	DADE

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	77583
Status:	Current,Active
Licensure Date:	06/12/2014
Expires:	02/28/2025

Special Qualifications

Qualification Effective	
Civil	05/29/2013

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

HOME CONTACT US MY ACCOUNT

ONLINE SERVICES

- Apply for a License
- Verify a Licensee
- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS 12:15:33 PM 8/24/2023

Licensee Information

Name:	LOCKWARD, MIGUEL ARTURO (Primary Name)
Main Address:	729 NW 2ND STREET UNIT 827 MIAMI Florida 33128
County:	DADE
License Location:	201 ALHAMBRA CIRCLE SUITE 800 CORAL GABLES FL 33134
County:	DADE

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	88552
Status:	Current,Active
Licensure Date:	12/31/2019
Expires:	02/28/2025

Special Qualifications

Qualification Effective	
Civil	07/11/2019

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

HOME CONTACT US MY ACCOUNT

ONLINE SERVICES

- Apply for a License
- Verify a Licensee
- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS 12:16:51 PM 4/19/2023

Licensee Information

Name:	ALVAREZ, ROLANDO (Primary Name)
Main Address:	7001 WEST 35TH AVENUE UNIT 166 HIALEAH Florida 33018
County:	DADE

License Information

License Type:	Engineering Intern
Rank:	Eng Intern
License Number:	1100020732
Status:	Current
Licensure Date:	06/22/2017
Expires:	

Special Qualifications

Qualification Effective	
-------------------------	--

Alternate Names

View Related License Information

Ron DeSantis, Governor
Melanie S. Griffin, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF LANDSCAPE ARCHITECTURE

THE LANDSCAPE ARCHITECT HEREIN HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 481, FLORIDA STATUTES

GORHAM, JOHN P
611 W. WINTER PARK ST.
ORLANDO FL 32804

LICENSE NUMBER: LA0001237
EXPIRATION DATE: NOVEMBER 30, 2025
Always verify licenses online at MyFloridaLicense.com

ISSUED: 10/13/2023
Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

Ron DeSantis, Governor
Melanie S. Griffin, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF LANDSCAPE ARCHITECTURE

THE LANDSCAPE ARCHITECT HEREIN HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 481, FLORIDA STATUTES

HARRISON, ERIC DOUGLAS
2865 SE PERU STREET
PORT ST LUCIE FL 34984

LICENSE NUMBER: LA6667129
EXPIRATION DATE: NOVEMBER 30, 2025
Always verify licenses online at MyFloridaLicense.com

ISSUED: 10/18/2023
Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

Ron DeSantis, Governor
Melanie S. Griffin, Secretary

STATE OF FLORIDA
FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

MERCADO, CARLOS A.
924 LAVENDER CIRCLE
WESTON FL 33327

LICENSE NUMBER: PE71707
EXPIRATION DATE: FEBRUARY 28, 2025
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.



SECTION 3.0

PROJECT UNDERSTANDING,
PROPOSED APPROACH, AND
METHODOLOGY

APPROACH AND METHODOLOGY

CHA is a multidisciplinary firm that addresses complex challenges through engineering, design, and construction management. In 2022, CHA expanded its local presence by acquiring A&P Engineers, a well-established South Florida firm with a 25-year history and a team of over 135 local professionals. This developed our expertise across multiple disciplines, including civil, transportation, water resources, environmental, structural, and electrical engineering. As a trusted advisor, CHA's local team is dedicated to quality service, innovation, and excellence.

Even more, CHA has continued its expansion in Florida with the acquisition of Eckler Engineering, Inc. (Eckler), a specialized civil engineering firm focused on providing engineering services to commercial, industrial, and municipal clients. These services include water supply, treatment and distribution, as well as wastewater collection/treatment and water reclamation.

The technical approach is fundamentally dependent on the consultant project manager's comprehension of the City's plan production process and the proper ordering of design tasks. This insight is crucial for confirming that projects adhere to the anticipated schedule and budgetary limitations. Initiating projects with a solid technical base often leads to a smooth design phase.

CHA'S DESIGN PHILOSOPHY IS BUILT UPON SEVERAL KEY TENETS:

1. We aim to deliver exceptional design that surpasses client expectations, fulfilling project aims within the allocated time and budget, while also meticulously addressing the specific needs and goals of the City.
2. We strive to generate construction documents that are not only functional and cost-effective but also straightforward for bidding, construction, and sustainability, respecting prescribed deadlines and construction schedules.
3. We are dedicated to providing our clients with premier construction plans, reducing the likelihood of claims, additional agreements, and construction delays.

We aim to be your chosen transportation and engineering consulting services partner for the City of Coral Gables' ongoing contract. Committed to improving our world responsibly, CHA seeks to contribute positively to our communities and is ready to fulfill the services outlined in the RFQ.

Understanding of the Scope of Services

CHA has thoroughly reviewed the scope of work outlined in the RFQ and fully acknowledge the contract's dynamic nature as a continuing service agreement, which is reliant on individual task order authorizations to meet the City of Coral Gables' evolving requirements. The scope detailed in the RFQ encompasses a broad array of services that are crucial for the city's transportation infrastructure development and improvement, including, but not limited to:

- **Traffic Engineering and Transportation Planning:** We are prepared to undertake all necessary services such as field data collection and analysis for traffic studies, which cover a wide range of activities including intersection and roadway capacity analysis, signal warrant studies, signal timing analysis and design, traffic circulation studies, traffic calming studies, trip generation, forecasting and assignment, as well as transit and transportation planning, and transit-oriented development analysis and studies.
- **Roadway and Drainage Design:** Our team is equipped to provide comprehensive services including roadway design, geotechnical, survey, and drainage analysis required for preparing a complete set of roadway construction plans.
- **Contract Administration:** We will offer engineering services necessary for the analysis of construction schedules, construction delay claims, change orders, and the preparation of progress and final payment estimates, among other administrative tasks.
- **CEI:** Our team will conduct detailed inspections during the construction process to ensure conformance with construction plans and specifications.
- **Material Inspection:** We are ready to perform all necessary services including asphalt, concrete, and soil sampling for laboratory analysis as required by the City of Coral Gables.
- **Landscape Design:** Our scope includes preparing landscape plans from conceptual through to final drawings and specifications, covering a broad range of landscape architecture services.
- **Structural Design:** We will provide all necessary services for the design, calculations, and analysis needed to prepare a complete set of construction documents for various structures, ensuring all documents are signed and sealed by a Professional Engineer registered in the State of Florida.

Moreover, our proposal demonstrates a clear understanding of the qualifications required for performing the work, including corridor planning, miscellaneous structures, signing, pavement marking, and channelization, lighting, signalization, control surveying, design, right of way, construction surveying, soil exploration, and landscape architecture. Each of these service areas requires specific expertise and professional registration as outlined in the RFQ, underscoring our commitment to quality and compliance with state regulations.

Also based on our understanding of the nature of this contract and the objectives and needs of the city, we have created a team composed of **CHA Consulting Inc., C.A.P. Engineering, Inc., Chen Moore & Associates, Inc., Longitude Surveyors, LLC (SBE), Universal Engineering Sciences**, which have experience working together on other projects within Miami-Dade County and the ability to be involved in various task orders at the same time.



TRAFFIC ENGINEERING AND TRANSPORTATION PLANNING

The CHA team is highly experienced in performing traffic operations studies and operational reports, and based on our experience, we have developed the following approach to performing traffic operation studies:

DATA GATHERING AND OFFICE INVESTIGATION

This step includes existing signal timing, design plans including signalization and signing and pavement markings,

crash data, and available traffic counts. Through a current signal timing districtwide contract through FDOT, CHA staff have access to and are proficient in using the signal software system in Broward County. This capability greatly facilitates our ability to assess operational concerns by running signal performance reports available through this system. For instance, “split monitoring” reports show the average amount of green time allocated to each movement during a given time. Our staff can also access FDOT Signal Four Analytics to obtain crash data while performing traffic studies. At this stage, CHA will also execute multi-agency coordination to explore the possibility of partnering with those agencies to leverage the available funds and maximize the City investment’s impact. An example of how the funds could be leveraged is by close coordination with the Broward County surtax mobility advancement program, which is currently executing a Countywide study to determine the top intersections to be improved as part of the surtax program.



TRAFFIC DATA COLLECTION

As needed, CHA staff will schedule the data collection tasks concurrently with the data gathering and office review and evaluate all the data collected/gathered before performing field reviews. We conduct our data collection internally which allows us to have better control of the schedule, as we can allocate resources as needed, for the prioritization of tasks. In addition, with our experience, we know when it is feasible to collect data. For example, if we need counts we would want to do that when schools are in session and during peak hours. If we want to collect speeding data, we would collect that during low traffic times to ensure we address and capture any speeding concerns.

CHA performs traffic counts using Miovision cameras and keeps a video record of all our counts for further review if needed. In addition, we are experienced performing speed studies, safe curve speed studies, and sight distance evaluations. We also use drones as part of our traffic data collection tasks, which has proven very efficient in simultaneously obtaining multiple traffic operation characteristics.

CRASH ANALYSIS

We have the expertise to prepare crash summary tables, and collision diagrams, to determine if any crash patterns are present at the study location, then develop possible crash causes and potential countermeasures.

FIELD REVIEWS

The field reviews will be performed by a Traffic Engineer after the office review and crash analysis have been completed. This will allow us to focus the field reviews on the potential issues previously identified. The field review observations will be documented in the standard field review checklist.

DEVELOP RECOMMENDATIONS AND DOCUMENTATION

The CHA team will document the findings and conclusions of the study in report format and will clearly state the conclusions and recommendations of the study. If the evaluation results do not recommend any action, the findings supporting this recommendation will be listed in the report.

In addition to performing traffic studies and operational reports, the CHA staff is highly experienced in performing dozens of traffic engineering and safety studies through previous FDOT District 4 districtwide contracts. The team

has also completed dozens of roadway lighting studies, signal warrant analyses, pedestrian studies, and sight distance evaluations.

Our CHA Team also likes to prepare conceptual designs and cost estimates. This will allow us to help the City of Coral Gables see the impacts of the recommendations and prepare an implementation plan that aligns with the City's budget. In addition, for higher cost solutions, we can provide interim recommendations for short-term implementation.

INTERSECTION IMPROVEMENTS

The main objective of this contract is to serve as an extension of the City of Coral Gables staff. Based on our previous contracts with similar objectives, some of the relevant assignments included in this type of contract are:

- Upgrade signalized intersections, including adding supplemental signage such as “DO NOT BLOCK INTERSECTION” (R10-7), “TURNING VEHICLES YIELD TO PEDESTRIANS” (R10-15), “U-TURN YIELD” (R10-16), etc., and adding countdown pedestrian signal heads and push buttons.
- Construct refuge and channelizing concrete islands and bulb-outs to improve pedestrian safety and control/direct traffic/pedestrian movements.
- Construct offset left-turn lanes so that left-turn vehicles do not obstruct each other's view of the opposing traffic stream
- Extend the left turn lane storage length to increase intersection capacity and safety.
- Place school crossing signs, pavement markings, and school traffic signals.
- Perform milling and resurfacing of existing roadways to correct deficient/confusing pavement markings to improve safety, add bicycle lanes, and add “DO NOT BLOCK” boxes.
- Install Rectangular Rapid Flashing Beacons (RRFBs), Pedestrian Hybrid Beacons (PHBs), and traffic signals to improve pedestrian safety. Also, provide Electronic Speed Feedback signs, Advance Signal Flashing Beacons, and modify roadway geometry to reduce and control highway speed.
- Improve highway safety by designing or updating existing street and pedestrian lighting systems, including photometric analysis and voltage drop calculations.
- Perform structural capacity analysis for adding additional load to an existing mast arm due to the upgrading of the left turn from permissive (3-section heads) to protective permissive (5-section heads), adding LED illuminated signs, adding back plates to the existing traffic signal heads, adding movement restrictions signs to the mast arm (no left turn), adding signal heads to the mast arm, relocating signal heads to accommodate lane modification (left turn offset), etc.

SPEED MITIGATION

Speed mitigation strategies are crucial in traffic engineering to enhance safety, efficiency, and overall traffic flow. Implementing a combination of proactive measures in the City of Coral Gables can significantly reduce the risks associated with excessive speeds on roadways, particularly through residential areas. Here are some key strategies:

Traffic Calming Measures: Incorporating physical features like speed humps, raised crosswalks, chicanes, and narrowed lanes can naturally slow down vehicles using roadway geometry.

Speed Limits and Enforcement: Setting appropriate speed limits based on road conditions, pedestrian activity, and surrounding environment is essential. Combined with regular enforcement efforts, this helps to ensure compliance.

Public Awareness Campaigns: Educating drivers about the dangers of speeding and the importance of adhering to posted speed limits can influence behavior. Public awareness campaigns through media, signage, and community outreach initiatives can promote safer driving habits.

Technology Integration: Utilizing advanced technologies like Speed Feedback Signs, which

provide real-time feedback to drivers about their speed relative to the posted limit, can help mitigate speeding incidents.

Multimodal Transportation Solutions: Encouraging alternative modes of transportation such as walking, cycling, and public transit can reduce reliance on private vehicles and inherently lower overall speeds on roadways.

By employing a holistic approach that combines these strategies, traffic engineers can effectively mitigate speeding, making roads safer and more conducive to efficient mobility for all road users.

SOME SPEED MITIGATION EVALUATIONS OUR TEAM HAS CONDUCTED INCLUDES:

- SR 953/Le Jeune Road between Majorca Avenue and Minorca Avenue - Speed Feedback Signs and Marked Crosswalk Evaluation
- SR 990/SW 112th Street/Killian Parkway between SW 97th Avenue and SW 104th Avenue – Speed Mitigation Evaluation
- US 41/SR 90/SW 8 Street/Tamiami Trail between SR 9/SW 27 Avenue and SW 4 Avenue Speed Evaluation

PEDESTRIAN/BICYCLE STUDIES

Pedestrian and bicycle studies are essential to verify the safety of all road users, especially vulnerable ones. At the City's request we can conduct intersection, specific location, or corridor-wide pedestrian and bicyclist improvement studies. We can also conduct these studies using a systematic approach where we first analyze crash data to identify areas of concern and potential patterns. We also assess the study area's existing pedestrian and bicycle facilities and infrastructure, including sidewalks, crosswalks, bike lanes, and signage.

Next, we conduct field observations and collect data on pedestrian and bicycle activity, including pedestrian and bicycle counts, crossing behavior, and compliance with traffic signals and signage.

Using this information, we develop a comprehensive list of potential countermeasures to improve pedestrian and bicycle safety in the study area. These countermeasures may include improvements to infrastructure, such as installing new crosswalks or bike lanes or implementing traffic calming measures, such as speed humps or chicanes. We also consider educational and enforcement strategies to promote safe behavior among pedestrians, bicyclists, and motorists.

Finally, we prioritize the countermeasures based on crash data, feasibility, cost, and public input. We work closely with stakeholders, including local agencies and community groups, to ensure our recommendations are well-received and aligned with their needs and priorities.

Through this approach, we have successfully completed numerous pedestrian and bicycle safety studies and implemented effective countermeasures to improve safety for all road users.

Pedestrian and bicycle safety and mobility treatments can be broadly categorized based on the location and type

of traffic control, including treatments along uncontrolled roadway segments and at signalized intersections. To develop pedestrian/bicycle safety improvements at uncontrolled roadway segments, the evaluation of the following treatments is necessary: marked crosswalks at midblock locations equipped with Rectangular Rapid Flashing Beacons (RRFBs), Pedestrian Hybrid Beacon (PHB), or Traffic Signal; crosswalk visibility enhancements such as crosswalk line style, lighting, curb extensions, and parking restrictions on crosswalk approach. Additional treatments along uncontrolled roadway segments include medians, refuge islands, and bicycle lanes/signing and markings.

On the other hand, the evaluation at an existing signalized intersection focuses on improving pedestrian/bicycle safety and mobility through the implementation of changes to the existing signal operating plan (SOP), such as adding Leading Pedestrian Intervals (LPI), exclusive pedestrian phases, adding crosswalks, installing missing pedestrian signal heads and pushbuttons, and other signing and pavement marking enhancements.

The CHA team’s approach to the implementation of pedestrian/bicycle safety roadway segments and signalized intersections involves the following:

Treatments at Uncontrolled Roadway Segments: The CHA Team has extensive experience developing and implementing pedestrian/bicycle safety and mobility treatments along uncontrolled roadway segments. Through our current contract and previous experience, we have implemented all the treatments listed above. We have performed over 30 studies to determine the need to install marked crosswalks and recommended the type of traffic control. In performing these studies, the CHA team followed the *Traffic Engineering Manual (TEM)*, which details the minimum levels of pedestrian demand and location characteristics criteria for midblock crosswalk installation. The current edition of the TEM uses land use context classification and pedestrian demand exceptions. For instance, the minimum pedestrian demand does not have to be met for roadways with a context classification C4 and a posted speed limit of 35 mph or less. Since many locations meet the criteria, CHA has utilized GIS to combine census, transit ridership data, pedestrian attractors/generators, Street Light data, crash history, and roadway characteristics to assess potential pedestrian demand at a specific location. This allows a systemic approach when determining the most appropriate location for midblock crossings without exclusively relying on existing pedestrian demand. We implemented this approach for the study along SR 90/SW 8th Street from SR 826/Palmetto Expressway to SW 27th Avenue. As part of this study, CHA used FHWA’s Guide for Selecting Countermeasures at Uncontrolled Pedestrian Crossing Locations, which is part of FHWA’s STEP (Safe Transportation for Every Pedestrian) Program, to determine the most appropriate traffic control at midblock locations.

The CHA Team also has extensive experience implementing medians or refuge islands at locations where a two-way left turn lane (TWLTL) is provided. We completed the original study along SR 968/Flagler Street from SW 72nd Avenue to SW 27th Avenue, which utilized a median to serve as refuge space for pedestrians and installed several midblock pedestrian crossings.

Treatments at Signalized Intersections: Pedestrian treatments at signalized intersections aim to prevent pedestrian-vehicle conflicts. At most signalized intersections, the standard signal operation approach has been for pedestrian and vehicular movements to operate concurrently. This approach results in high pedestrian-vehicle conflicts at intersections with high turning volumes. This condition is exacerbated at large intersections and highway interchanges when providing a “free-flow” right turn lane. The CHA team is experienced in developing innovative treatments at signalized intersections, such as implementing a combination of LPI and an electronic sign that alternatively displays a “No Turn on Red” prohibition and “Yield to Peds” message. This treatment was developed and implemented in response to concerns from the City of

Sunny Isles Beach at the following intersections along SR A1A/Sunny Isles Beach Blvd: 172nd, 174th, 178th, and 183rd Streets. CHA also redesigned the intersection of SR 5/Overseas Highway at the entrance to Key West to minimize pedestrian delay and prevent pedestrian-vehicle conflicts by allowing pedestrians to receive a “Walk” indication on demand across the right turn movements in and out of the City. The original SOP required pedestrians to wait over two minutes to receive the “Walk” indication.



CORRIDOR PLANNING

Corridor planning is a multifaceted process that requires a comprehensive understanding of various aspects related to transportation infrastructure. Our organization boasts unparalleled expertise in the execution and review of corridor studies, development of context-sensitive solutions, and demonstrating proficiency across a diverse range of tasks within this field.

The initial phase of our corridor planning involves a meticulous assessment to identify the need for either new or upgraded transportation facilities. We conduct thorough analyses to understand the existing infrastructure and evaluate its effectiveness in meeting the evolving demands of the community and the region. This involves examining traffic patterns, assessing existing modes of transportation, and considering potential future growth and development.

Once the need for improvements is identified, our team will perform a detailed examination of deficiencies within the corridor. By pinpointing potential deficiencies (traffic congestion, safety concerns, multimodal needs), we can develop targeted strategies for enhancement, ensuring that our recommendations are tailored to address specific challenges within the corridor effectively. To enhance the transit passenger, bicycle, and pedestrian experience, we develop short-term improvements that can be carried out immediately, identify long-term improvements for project development, and meet the terms of environmental regulations.

Environmental impact assessment is a critical component of our corridor planning process. We are committed to sustainable and environmentally responsible solutions, and as such, we thoroughly evaluate the potential ecological consequences of proposed transportation projects. Our goal is to strike a balance between infrastructure development and environmental preservation, ensuring that the corridor improvements contribute positively to the surrounding ecosystem.

We provide accurate and realistic cost estimates for proposed corridor enhancements using Long Range Estimating (LRE). This is essential for project planning and budgeting, allowing stakeholders to make informed decisions about the feasibility and prioritization of various improvements within the corridor.

Determining the extent of physical improvements and operational strategies is a crucial aspect of our corridor planning process. We consider a wide range of factors, including intersection improvements, multimodal enhancements, and the integration of smart technologies to optimize traffic flow and improve safety. Our recommendations are rooted in a strategic approach that maximizes efficiency, safety, and sustainability while minimizing disruptions to existing infrastructure.

Ultimately, our corridor planning services extend beyond mere conceptualization to the practical implementation of recommended strategies. We are dedicated to delivering solutions that not only address current transportation challenges but also lay the groundwork for a resilient and adaptive corridor infrastructure capable of meeting future needs. Our holistic approach ensures that every aspect of corridor planning is thoroughly examined and thoughtfully executed, resulting in sustainable, cost-effective, and impactful transportation solutions.



ROADWAY DESIGN

Our initial step involves crafting a detailed typical section package for the City of Coral Gables' review and approval. This crucial phase sets the foundation for our work, ensuring alignment with city standards and expectations. Following this, an extensive field review and assessment of existing conditions will be conducted. Utilizing a proprietary checklist, our team aims to meticulously identify potential issues early on, effectively minimizing scope creep and ensuring project objectives are maintained throughout the design process.

Subsequently, we plan to engage in a collaborative discussion with the Public Works Department to outline the project scope and address any budget constraints. It is not uncommon during these discussions for Public Works to suggest additional improvements. Our team, in close coordination with the City's Project Manager (PM), is prepared to integrate these enhancements, particularly those focusing on safety or addressing public concerns, ensuring that the project not only meets but exceeds community expectations.

For specific projects, such as those involving greenways or capacity enhancements, our approach includes the development of a 15% technical memorandum accompanied by preliminary conceptual designs. This document serves as a basis for securing approval from Public Works, providing a clear vision of the proposed improvements and facilitating a smooth transition to further design stages. Our methodical, collaborative approach ensures that every aspect of the roadway design aligns with the City of Coral Gables' goals, incorporating necessary improvements while adhering to safety and public interest.





DRAINAGE DESIGN

CHA brings an institutional knowledge of managing roadway flood mitigation projects in Miami-Dade County that have included components of exfiltration trenches, pump stations, and underground injection wells, in addition to other approaches to addressing rising sea levels and creating sustainable alternatives for infrastructure. Since time is of the essence in delivering solutions for building a “Resilient 305”, choosing a partner with no learning curve gives the city confidence that the most viable and timely solutions will be provided for critical flood mitigation projects.

CITY OF CORAL GABLES CRITICAL CONSTRAINT FACTORS

There are several unique factors that must be considered when designing a stormwater management system for the City of Coral Gables. These factors are related to the geographical location of the city which limit some possible options for mitigating flooding given that a vast portion of the City is only a few feet above sea level and a few feet above the groundwater table. These factors include:

- Low-laying topography.
- High groundwater table elevation.
- Salinity front and aquifer classification constraints for underground disposal.
- Tidal backflow, tidal surge, and future increasing tide and groundwater elevations.
- Biscayne Bay protection.
- Managing flows entering the city from off-site and maintaining pre- and post-stage and flow conditions.
- No available lands for dedicated stormwater management.

PROPOSED DRAINAGE APPROACH

Proposed drainage systems within the City of Coral Gables limits are based on the right selection of stormwater management solutions; these solutions should be selected based on the specific characteristics and location of the area being served, and should include the expertise in the design of the following elements:

- Exfiltration systems
- Green infrastructure
- Pump stations
- Recharge drainage wells
- Backflow prevention
- Seawalls

Pump Station Design: Pump stations consist of several structures, including a sluice gate structure, baffle structure, pump housing, valve box, orifice plate box, and injection wells. The procedure used to design the proposed pump station is based on the Hydraulic Engineering Circular (HEC 24) “Highway Stormwater Pump Station Design,” of the Federal Highway Administration, February 2001. A summary of the design process is described below:

- Planning Phase - Determine the drainage area, right-of-way (ROW) requirements, maximum static head requirements, and discharge location.
- Schematic Development Phase - Develop roadway horizontal and vertical alignments, typical roadway section, and maintenance of traffic (MOT) in addition to initial pump selection based on general design criteria and constraints.
- Design Phase - Complete data development, including field surveying, site planning, and identifying design criteria; complete hydrologic analyses to determine inflow, determine storage requirements (e.g., collection and storage systems and wet well), and design the final pump station (including number of pumps and configurations) using the design process flowchart contained in the HEC 24 guidance manual.
- Develop Final Plans and Specifications

Exfiltration Systems: Exfiltration Systems such as french drains are allowed when in situ soil hydraulic conductivities are sufficient to promote exfiltration of the required stormwater quality volumes. French drains must be designed according to FDOT District 6 Drainage Section Pamphlet Subsurface Drainage with french drains: June 20, 1991, and must address the following design criteria and parameters:

- Exfiltrate to the groundwater the greater of the SFWMD or DRER stormwater quality volume, prior to discharge over control weir.
- Percolate runoff into areas of the aquifer that do not contain contaminated soil.
- Exfiltration pipe shall be 24 inches minimum, with an invert elevation at or above DRER average October Groundwater elevation to be given credit for water quality treatment.
- Provide baffles, skimmers, and sumps in inlets to minimize the entrance of oils and sediments into drainage pipes.
- The bottom of skimmers shall be set at a minimum of 18 inches below the invert of French drain pipe, as outlined in the Metropolitan Dade County Public Works Department Design Standards.
- Minimum trench width shall be the pipe diameter plus 1-foot on each side of the pipe.
- Rock in trench must be enclosed in filter material, at least on the top and sides.
- In situ soil exfiltration capacity must be determined by the FDOT percolation test method. The percolation test hole must be advanced to a depth that will yield a minimum of 6 gallons per minute (gpm) per 1 foot of head of exfiltration capacity.
- Depth of the French drain must be at or below the percolation test hole depth to a maximum of 15 feet.
- The exfiltration rate shall be limited to 0.1 cfs per foot of French drain, regardless of the perforations in the pipe or the soil hydraulic conductivity.

Drainage Wells: In Miami-Dade County, drainage wells are typically considered when the in-situ soil hydraulic conductivity is insufficient to promote exfiltration, or when there is insufficient available land to locate exfiltration trenches. Drainage wells are considered by FDEP to be Class V, Group 5 wells, regulated under Section 62-528, FAC. In general, the capacity of these wells within the City of Coral Gables often ranges between 300 and 1000 gpm per foot of head. Additionally, a phenomenon known as mounding also influences the capacity of an injection well. This phenomenon typically requires an additional 1.5 feet of head to overcome the difference in density between the fresh water resulting from a storm event and the saltwater encountered in the saltwater intrusion zone. This effectively reduces the peak flow of an injection well at a given stage and increases the stage at which flow into the well begins. Such stage is 1.94 feet NAVD for most areas within the saltwater intrusion zone.

Based on this, drainage wells must be located east of the 1,500 (parts per million [ppm]) isochlorine line which delimits the intrusion zone.

Coordination with other Utility and Roadway Work: Capital improvement projects should be prepared to be accelerated or moved around in priority to an alternate schedule to coordinate with other utility work or projects being performed by the City of Coral Gables, Miami-Dade County, FDOT, neighboring cities, and private developers. This is primarily to take advantage of shared savings, avoid multiple contractor work area conflicts, and most importantly, to not have to dig up a road twice or be delayed by a roadway moratorium once new asphalt is in place.

NPDES/MS4 Program Requirements: Areas of lesser water quality may require the acceleration of certain best management practices (BMPs) for water quality-specific improvements within a time schedule to avoid potential enforcement or fines, as part of the Miami-Dade County MS4 Co-Permittee Program.

Water Quality Treatment: The proposed stormwater infrastructure improvements must comply with the water quality standards of the regulatory agencies. M-D DRER has increased the monitoring of water quality discharges

to the Bay therefore the maximum amount of stormwater recharge/disposal and water quality treatment shall be provided prior to discharge to the Bay. The most cost-effective treatment systems can then be selected during design. Coordination between the city and regulatory agencies will be required to balance the best approach between flood reduction and environmental protection. BMPs will be implemented to guarantee the protection of all receiving waters, especially the Biscayne Bay.

Resilience/Climate Change: The effects of sea level rise are real and manifest in various ways. Through the implementation of these projects, we hope to prepare the City of Coral Gables for the future. Our vision includes practical solutions for the city's ongoing sea level rise issue. CHA has cultivated a wealth of experience by working on sea level rise/resiliency projects throughout south Florida. A big portion of our experience includes

- ✓ Raising roads
- ✓ Harmonizing with private property
- ✓ Design of pump stations
- ✓ Up-sizing drainage systems and implementing
- backflow preventers
- ✓ Designing injection and gravity wells
- ✓ Designing seawalls
- ✓ Assessing outfalls



CONTRACT ADMINISTRATION AND CEI

With over 25 years of experience overseeing complex construction projects in South Florida, CHA's local team garners capabilities beyond mere oversight to meticulous planning, strategic execution, and an unwavering commitment to excellence. This dedicated contract administration and CEI team, led by **Levi Boyle, PE**, possess a proven track record of successfully managing diverse transportation projects and understands the key elements to look for during each portion of the construction. Our team will be comprehended by:

PROJECT ADMINISTRATOR (PA)

CHA Consulting offers the expertise of a dedicated Project Administrator (PA). The PA will serve as the central point of contact for all project-related communication and coordination. Their responsibilities include overseeing project in the Construction phase and other tasks such as schedule reviews, Preconstruction Coordination and Plan Reviews, and resource allocation. The PA ensures seamless project execution from inception to completion. Moreover, the PA will be responsible for facilitating effective communication between CHA, the City of Coral Gables, The Contractor and other stakeholders, ensuring alignment with project goals and objectives.

CONTRACT SUPPORT SPECIALIST (CSS)

In addition to the PA, CHA Consulting proposes to provide a Contract Support Specialist (CSS) to facilitate the contractual aspects of the project. The CSS will play a critical role in managing contract-related tasks such as document control, change orders, and invoice processing. By ensuring compliance with contract specifications and regulations, the CSS promotes transparency and accountability throughout the project lifecycle. Their expertise in contract administration minimizes risks and facilitates smooth project progress. Moreover, the CSS will work closely with the PA to address any contractual issues promptly, thereby maintaining project momentum and alignment with the City's requirements.

SENIOR INSPECTOR

Leading the field inspection team our pool of experienced senior inspectors bring a wealth of knowledge and attention to detail. With extensive expertise in construction inspection and quality assurance, the Senior Inspector will lead field operations to ensure compliance with project plans and specifications.

Their responsibilities include performing safety review of the project site and the MOT, conducting thorough inspections, monitoring construction progress, and resolving technical challenges as they arise. By providing leadership to the inspection team, the Senior Inspector ensures that construction activities proceed efficiently and meet the highest standards of quality and safety. Communication with field staff is key, the CHA CEI team operates under a “see something say something” model, so when our team observes anything that does not meet the highest standards of the City they report it to the project team immediately, especially if an issue is safety related.

INSPECTOR

CHA’s Inspector’s offer the flexibility to work on a project independently or under the supervision of a Senior Inspector if a specific project requires such. The Inspector will conduct daily inspections, perform safety reviews, document construction progress, and identify any deviations from project plans. Their meticulous attention to detail and commitment to excellence ensure the integrity of the project and adherence to regulatory requirements. By collaborating closely with the project team, the Inspector contributes to the overall success of the project by verifying the contractor is constructing the project correctly as intended in the project plans and facilitating timely resolution of issues to deliver the highest caliber product to the City.



STRUCTURAL DESIGN

CHA has a diverse structural engineering group that can provide all the structural design services required for the City of Coral Gables. We have extensive experience in bridge design which includes super structures with AASHTO Type II beams, Florida I-beams, Florida Slab beams, flat slab beams, steel girders and substructures with end bents, pile bents, or piers. Foundation designs are coordinated with the geotechnical engineer and include spread footings, pile footings, auger cast piles, or drilled shafts. We also have experience in working on pedestrian bridges, culverts, and bridge widenings or modifications. The experience in wall design includes noise walls, sea walls, gravity walls, MSE walls, pile and panel walls, and sheet pile walls. Our structural group has provided miscellaneous structures support for mast arms, strain poles, overhead sign structures, road side sign/signalization structures, light poles, and bridge mounted signs. We have also provided structural work on pump stations, building structures such as generator rooms, bus shelters, and elevator towers for pedestrian bridges. All our staff are well trained in AutoCAD, Open Bridge Designer, FB-multiplier, SP-column, Staad, ShoringSuite, Mecawind, and Enercalc which allows us to bring a reliable design to any project. Designs will follow the latest versions of the structural design codes including AASHTO LRFD Bridge Design Specifications, AISC Steel Construction Manual, ACI 318 Building Code Requirements for Structural Concrete, ASCE 7-10 Minimum Design Loads for Buildings and Other Structures, and the AASHTO LRFD LTS for miscellaneous structures. Our diverse knowledge will allow us to easily coordinate with the water resources, electrical, traffic, and roadway disciplines to seamlessly perform all structural work types. We have the capability to analyze complex structures that will meet the City of Coral Gables aesthetic and functional vision for the community.

BRIDGE DESIGN



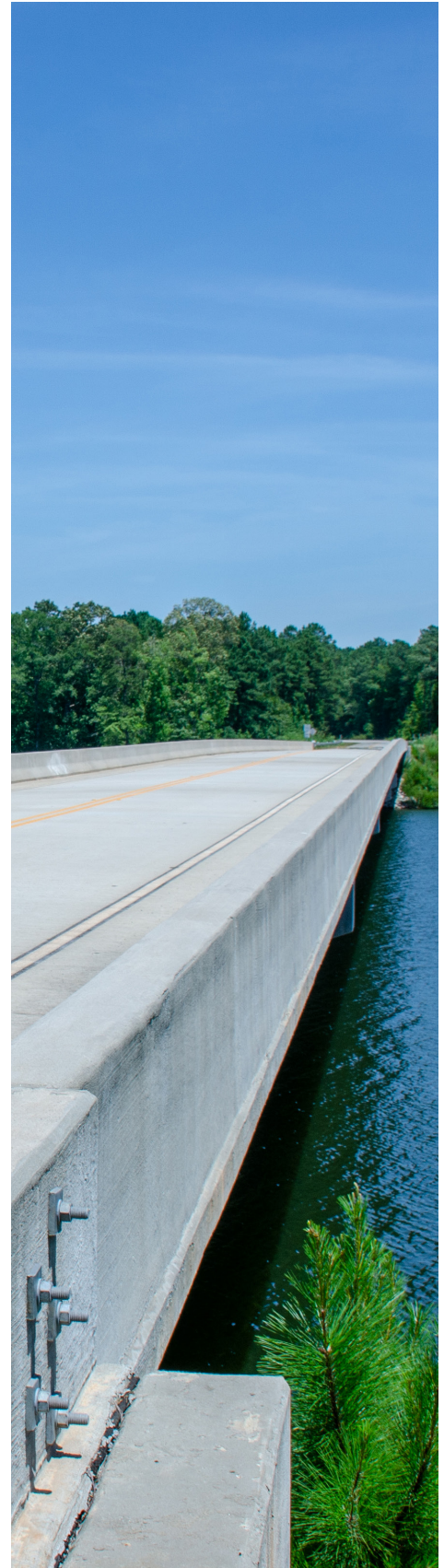
The bridge design begins with the development of a Bridge Development Report (BDR) in which we will perform a preliminary analysis for different bridge types depending on the geometry, required bridge length, vertical clearances, geotechnical parameters, and any site-specific constraints that may exist. At this point any aesthetic features will be coordinated with the City of Coral Gables to ensure we are able to incorporate them into the design. Once we have established the required geometry and preferred foundation type with the roadway and geotechnical engineers, we are able to provide a costs and construction analysis for the bridge which will conclude with a recommended alternative. The next step would be to develop detailed plans and structural calculations for the optimum alternative meeting FDOT Structures Manual and AASHTO requirements. The final contract plans will include a complete detailed set with quantities and a report with an in depth estimated cost for the construction of the bridge. Our team will aid during the bidding and construction phases where we provide reviews for RFI's and shop drawings in a timely manner to avoid any construction delays.

EXPANSION JOINT REPLACEMENT

The design of expansion joints is in accordance with AASHTO LRFD and the FDOT Structures Manual. Expansion Joints are designed for the total factored temperature movement (expansion and contraction) measured in the direction of movement. Expansion joints are limited in width by Table 6.4-1 of the Structures Manual. Once the expansion joint is designed, the expansion joint data table is provided in the set of plans along with references to the Standard Plans Index and any necessary details. Replacement notes are included to ensure the existing asphalt and joint material is removed prior to forming the new joint and providing a clean surface to install the new expansion material. Joints that are being replaced shall maintain their existing width.

BUILDINGS

Design on miscellaneous building structures begins with using the ASCE 7-10 to determine the applicable dead, live, and wind loads required for the structure. In most cases, wind loads will result in the controlling force. An initial analysis on MecaWind will determine the wind pressures to begin with the structure design. Aesthetic components will also be considered at this time and coordinated with the architect and the City of Coral Gables for approval. The foundation will be coordinated with the geotechnical engineer. Plan production will include full concrete reinforcement detailing, steel connection detailing, roof truss with connector detailing, and coordination with MEP where applicable.



NEW MAST ARM STRUCTURAL DESIGN

Proposed Mast arms are designed in accordance with AASHTO's LRFD Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals (LRFDLTS-1), as modified by the Structures Manual, Volume 3. Site conditions and coordination with roadway and signal engineers dictate the required mast arm lengths to support the proposed signs and signals for the safest and most efficient traffic flow. Mast arm assemblies are designed in accordance with FDM section 261.4 and follow the flow chart (figure 261.4.1) to determine the mast arm analysis type. Standard foundation soil parameters are assumed to be cohesionless with a friction angle of 30-degree, $N=15$, Unit weight of soil = 50 pcf, the geotechnical engineers soil parameters verify this assumption or identify a need for a special foundation design. Mast arm design calculations are provided detailing the structural capacity of the mast arms. Mounting height is checked to ensure the minimum vertical clearance is met. The Standard Mast Arm Assemblies Data Table is prepared and included in the signalization plans. Proposed mast arm structures installed near existing adjacent structures will require soil stabilization during construction of the drilled shaft. Existing signal and sign structure foundations may be left in place and cut 2 ft below grade to avoid any further soil disruption.



EXISTING MAST ARM STRUCTURAL ANALYSIS

Existing mast arms with proposed additional loading are analyzed per FDM Section 261.8: Evaluation of existing ancillary structures and Structures Manual Volume 3, Section 18.1. The analysis approach begins with obtaining as-built plans and a site visit to ensure the mast arm measurements reflect what is shown on the plans and check the mast arm condition.

More specifically, the analysis will follow Section 261.8.2.1 from the FDM: Determination of need for Detailed Structural Analysis. Standard mast arm supports with additional loading on the horizontal member that produces a flexural/demand capacity ratio of less than or equal to 1.10 evaluated with the FDOT Mast Arm Evaluation Program does not require further analysis. If further analysis is needed, the FDOT LRFD Mast Arm Program is used to determine adequacy under proposed loading under FDM Section 261.8.2.2 Detailed Structural Analysis. The Mast Arm is then labeled as Adequate or Inadequate to resist the proposed additional loading. No analysis is required for Standard Mast Arm support structures with additional devices attached only to the vertical upright with a total area of less than or equal to 18 square feet and a total weight of less than or equal to 145 pounds. Existing mast arms from the Miami Dade County Standards will follow a similar approach and will be analyzed using a tailored Mathcad program. All existing mast arms will undergo a field visit along with a condition evaluation which will be included in the report.

RETAINING WALL

Retaining wall design will begin with an initial analysis to determine the applicable wall types for each project. Some of the walls being considered typically include gravity walls, cast in place concrete walls, steel sheet pile walls, MSE walls, concrete sheet piles, and soldier pile / panel walls. The wall type will be selected based on the geotechnical conditions, required wall height, ease of constructability and cost. Additionally, an alternative requiring no walls will also be considered if the drainage analysis and slope stability allow for that solution. The design will meet the FDOT Structures Design Guidelines and will be coordinated with the geotechnical, drainage, and roadway engineers.

SPECIAL FOUNDATION STRUCTURAL ANALYSIS

The design of standard light pole foundations is based on the FDOT Standard Index 715-002 along with the corresponding Standard Plans Instructions. Decorative light poles are designed using the manufacturers specifications and the FDOT requirements. If the geotechnical report finds that the soil parameters are of lesser strength than the FDOT soil criteria equal to a submerged unit weight of 50 pcf and a friction angle 30 of degrees, a special foundation may be required. At this point in the design the foundation loads of the light pole are obtained by analyzing the pole under the wind criteria based on the AASHTO LRFD Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals (LRFDLTS-1) and the FDOT Structures Manual Volume 3. Design loads cases are as follows, 100% longitudinally, 100% transversally and 75% in both directions. Axial and dead load moments are consistent for all three load cases. The loads are then used to design a drilled shaft or spread footing foundation suitable for the location using the latest FDOT Mathcad program. The foundation type is coordinated with the lighting and utilities engineer for ease of construction. A report is prepared detailing the analysis process which determines the foundation size as well as the anchor bolts required. A detail of the foundation is prepared and is included in the lighting plans. A similar approach is followed for any special roadside sign, pedestrian crossing signal, or any innovative roadside feature proposed by the City of Coral Gables.



LIGHTING DESIGN

CHA has a wealth of experience in the electrical and lighting design for a variety of facilities, including roadways, wastewater treatment plants, water stations, and commercial spaces. Our designs for roadway and residential area lighting are crafted to be visually appealing while offering consistent lighting levels for public safety.

As part of the lighting design, we have the following approach for plan development:

1. Obtain existing lighting/signalization and existing utilities as-built plans and ROW plats for each intersection
2. Perform field investigations of the existing circuitry and lighting equipment such as light poles, transformer bases, and pole arms to evaluate them. We will also replace the existing lighting service point with a new lighting load center and dedicated lighting meter giving special attention to the coordination with FPL to provide the required voltage system in accordance with NEC requirements. This is triggered because of the "FPL Tariff SL-1M", which states that all services, including existing services, must be brought up to current FPL Standards by providing a meter.
3. Select an approved LED roadway fixture with the required color temperature, based on the roadway classification, utilizing the appropriate lighting distribution/curve, while meeting City of Coral Gables, Miami Dade County and FDOT Requirements. The fixtures will be filtered based on their Backlight, Uplifting and Glare (BUG) rating. The BUG rating system describes general distribution of light in three zones: front, back, and uplift. Our goal is to minimize the amount of glare, light spillage into residential areas, and sky glow. To comply with the International Dark-Sky Association, we will propose luminaires with a BUG (Back-

Up-Glare) rating of U=0. To ensure consistency with existing decorative light fixtures, proposed fixtures will be similar or equivalent throughout the project limits. Decorative light pole details will be included as part of the lighting plans. For locations with overhead power lines, where (NESC, FPL, and OSHA) clearance cannot be met, a “Utility Conflict Lighting Pole” or an APL approved floodlight at a lower mounting height will be considered.

4. Perform photometric calculations using AGI-32 software. Photometric calculations include horizontal and vertical illuminance calculations, evaluation of existing light fixtures for retrofit from HPS to LED, evaluation of incidental illumination of existing fixtures, and proposing new LED light pole assemblies to achieve the required lighting design criteria.
5. Perform subsurface utility exploration (SUE) and coordinate with FDOT geotechnical activities for light pole foundation design.
6. Evaluate conflicts between new light poles and underground/overhead utilities, trees, overhangs, and other overhead structures. Light poles will be located to minimize or avoid conflicts with the roadway, utilities, right-of-way, drainage, ADA compliance, signal poles, controller cabinets and driveways.
7. Evaluate and perform structural analysis for light pole foundations.
8. Design restoration of impacted sidewalks.
9. Perform electrical design calculations (load analysis, voltage drop, etc.) to ensure the lighting system can handle all loads and include it in the Lighting Design Analysis Report (LDAR). 10) Perform internal and governmental reviews. 11) Perform post-design services, including shop drawing reviews, RFI responses, and provide support, if requested by the City.



MATERIALS INSPECTION

UES has nearly 60 years of experience providing Construction Materials Testing services for numerous municipal departments that manage transportation, construction, and infrastructure improvement projects. A willingness to serve our clients with on-demand, part-time, and full-time staffing demonstrates our approach in meeting the specific needs of our clients.

IN-HOUSE LABORATORIES

UES maintains full-service laboratory testing capabilities from each of our offices and performs testing services for construction materials such as soils and aggregate materials, asphalt and bituminous materials, corrosion testing of soil and water, concrete and cement, and masonry units.

Well-trained, certified, and experienced field and laboratory technicians perform materials testing following local, state, and national test methods, including:

- AASHTO
- American Concrete Institute (ACI)
- American Society for Testing and Materials (ASTM)
- American National Standards Institute (ANSI)
- Florida Department of Transportation (FDOT)
- Portland Cement Association (PCA)
- Underwriters Laboratories, Inc. (UL)

Our in-house Corporate Quality Systems Group maintains equipment calibration and checks accuracy.

UES' LABORATORIES ARE QUALIFIED AND

ACCREDITED THROUGH OUTSIDE AGENCIES:

- Cement/Concrete Reference Laboratory Accreditation (CCRL)

- Construction Materials Engineering Council (CMEC)
- Florida Department of Transportation (FDOT)
- US Army Corps of Engineers (USACE)

FIELD SERVICES

Soils: By conducting on-site tests and monitoring, UES can analyze the suitability of soils for structural fill, determine the need for moisture adjustment, and provide an overview of earthwork activities.

Concrete: Our services generally include sampling concrete for air content, slump, temperature, and unit weight, making cylinders for compressive strength tests, and observing concrete placement.

Asphalt: UES can provide field quality control to determine and monitor temperature, lift thickness, and compaction using core samples. Our team can also verify aggregate gradation, asphalt content, and bulk-specific gravity. Our more advanced inspection services include:

- Aggregate Mine And Terminal Evaluation
- Asphalt And Concrete Coring And Evaluation
- Reviews Of Floor Flatness/Levelness
- Vapor Emission And Relative Humidity Of Concrete
- Welding Testing And Inspection

THRESHOLD INSPECTION

In order to ensure structural component conformance of larger structures, the state of Florida Building Construction Standards enacted Chapter 553 which defines a threshold building as: “Any building greater than three stories or 50-feet in height, or which has an assembly occupancy classification that exceeds 5,000 square feet in area and an occupant capacity of greater than 500 persons.” This standard also specifies that a building of this size must have threshold inspector services.

On a typical threshold project, an agent of the licensed Special Threshold Inspector conducts most of the inspections. This agent is specially trained and qualified to perform structural element inspections. They perform their duties under the supervision and authority of the Special Inspector.

**GEOTECHNICAL SERVICES**

Geotechnical investigations serve to investigate a property’s soil and geologic conditions and provide recommendations and design criteria for construction. These investigations include reviewing available literature, conducting onsite explorations, mapping/ logging and sampling, and laboratory testing of field samples. UES will interact with the client’s project staff to ensure all field and laboratory testing benefits the project.

PROJECT APPROACH

Geotechnical services typically involve five critical steps. First, our geotechnical engineer(s) must collaborate with the project team to define project objectives before fieldwork occurs. The team will determine appropriate test methods and sampling techniques, test locations, and sampling depths from this collaboration. Should the field sampling plan need adjustment, the field engineer will make appropriate arrangements with the field crews. Adjustments will occur after discussion with the project team. This portion of step one is vital because it provides upfront, clear communication for our staff and the project team (which remains throughout our involvement with the project).

The second step, exploration, begins with investigative fieldwork. Generally, investigations can include drilling, recovering soil and rock samples and measuring groundwater conditions and soil parameters for stormwater design.

Standard drilling methods may include, but are not limited to:

- Standard Penetration Testing (SPT) borings
- Hand/power auger borings
- Rock coring

Typical methods to measure soil parameters for stormwater design can include, but are not limited to in-situ permeability testing, in-situ exfiltration testing, and double-ring infiltration testing. Their drillers and engineering staff are well-versed in these drilling and testing techniques.

UES will collect the soil samples from fieldwork, paying particular attention to recovered materials, penetrating resistance, and any other pertinent information from the investigation (such as groundwater depth, in-situ test results, etc.). Then, we will move to the laboratory testing stage. Our soil laboratory visually examines all soil samples obtained onsite to define the soil's geomorphic conditions and properties accurately. If necessary to meet project objectives, we will conduct lab tests on the samples obtained to further understand the soil properties.

A geotechnical report is the fourth step in the process, providing a detailed analysis of subsurface conditions within the limits of the study area. The report includes the test procedures used with data collected and a site plan showing test locations. The report will also include soil boring logs and our engineering evaluation and recommendations from a geotechnical perspective. These suggestions relate to project-specific geotechnical concerns, foundation support of structures, suitability of onsite soil reuse, construction process site preparation, and installation methods.

The written report also documents proposed alternatives with supporting data and confirms the management-accepted implementation plan. UES' team organizes these reports specifically for each study.

Last (but equally important), geotechnical services include monitoring and consulting during site preparation and construction. Geotechnical and materials engineers and engineering geologists understand how the soil beneath a structure must perform. They have the training, equipment, and knowledge of soil and material characteristics to make engineering judgments about potential soil and materials concerns.



SURVEYING SERVICES

Longitude Surveyors commitment is to satisfy our clients' needs through effective client service, budget and schedule control, and the provision of quality work and deliverables.

We understand that each survey project is different. Regardless of the complexity, technology, or discipline, our approach will be steered by the following fundamental guidelines:

- Establish clear lines of communication and be available for general consultation and advice.
- Establish effective coordination between team members.
- Maintain adequate staff of qualified personnel.
- Clearly define scope of work, scheduling, budget, and responsibilities.
- Compliance with latest applicable standards: Federal/State/Municipal and Departmental.
- Technical execution with the highest level of accuracy.
- Implementation of a rigorous QA/QC plan.
- Maintain records of all technical and administrative documentation.

Longitude Surveyors has extensive experience in small and large scale projects, we can anticipate issues and create reasonable project schedules and executable time frames. We take into account the many factors included in a surveying process, even the unpredictable weather conditions.

The following provides our team's proposed approach for the successful delivery of surveying services.

OUR RAPID RESPONSE APPROACH

This Rapid Response Project Delivery Approach will enhance the capability of the client to address a high volume of related project assignments and "fast-track" the projects no matter the type, size or complexity. This organization will enable our team to seamlessly act as an extension client. As always, all project assignments will implement their Project Execution and Management Plans and Quality Control Plans to ensure that all deliverables are of the highest quality and exceed the client's expectations.

SCHEDULING AND COST CONTROL

Longitude will develop a project specific schedule-based on the approved scope of work and establish a timeline for project development and implementation. Project milestones will be established, and timelines will be allocated for each milestone and its associated tasks. Schedule control begins by creating a realistic schedule that recognizes opportunities to expedite tasks - should the need arise. This should be done proactively at the beginning, rather than when the project is experiencing issues with the schedule.

Longitude stresses the importance of schedule maintenance in every project they undertake. They achieve adherence to work schedules through proper planning, continuous monitoring, and appropriate follow-up action by experienced project personnel, with oversight and coordination by Longitude's Executive Project Manager and Project Manager. Their approach also includes continuous and open communication. Longitude is committed to meeting the schedule for every project. In fact, because of Longitudes' significant depth of resources and technical expertise, they are often able to deliver ahead of schedule. Longitude will develop a master schedule with comprehensive project controls at the start of each work assignment.

Longitude follows these guidelines to achieve project schedule adherence:

- Maintaining a computer software-based project schedule, including deadlines, milestones, deliverable due dates, and review points, for each task and subtask.
- Maintaining frequent communication with the client personnel to anticipate, identify, and resolve problems, and to smoothly implement adjustments in work focus or staff resources.
- Maintaining continual interaction between our project manager, task managers, and other project team members.

Longitude recognizes financial stability and sound budgeting practices are integral to their success. Investing in the best survey tools, developing the most cost-effective procedures, and combining the most productive and efficient survey methods provides the best result at the lowest cost for their clients.

We use Monday Project System for scheduling, resource allocation, visualizing project data, and budget management, however other suitable project management software could be used as seen fit. Each project manager weekly monitors project data to ensure that schedule and budget goals are met.



LANDSCAPE DESIGN

CMA's in-house landscape architecture (LA) and planning team, including five professional landscape architects, two certified arborists, two irrigation designers, and a senior environmental specialist, provides creative solutions for a diverse clientele including limited access interstate corridors and interchanges, streetscapes, and local/regional public spaces. Their diverse LA team self performs on most projects eliminating the need for outside subconsultants. They have a team dedicated to FDOT and other public roadway clients. The CMA LA team is highly responsive and

understands the importance of communication throughout the design, permitting, and construction process. Their current portfolio includes local and regional parks, roadway corridors, streetscapes and more.

Our integrated team’s approach to transportation design begins with careful site analysis and programming of uses determined by meeting with the client and stakeholders. They identify themselves as Public Space Designers and take this approach into every project. CMA seeks to design facilities in a manner that respects the land, celebrates site history and archeology, incorporates stormwater management practices, select sustainable materials, provide universal accessibility recognizing personal mobility limitations, and most especially, design spaces that are memorable and improve quality of life for people. Before suggesting a course of action, CMA develops a clear understanding of the following factors:

- Project goals
- Project schedule, budget, and funding sources
- Unique characteristics and considerations of the project area
- Existing available information (available surveys, as-built drawings, operating reports, etc.)
- Additional information that will need to be obtained (survey, environmental studies, geotechnical studies, etc.)
- Project stakeholders
- Regulatory authorities having jurisdiction and permitting agencies
- Construction requirements and limitations

CMA believes in providing their clients with sustainable infrastructure solutions. Our approach takes into account the environmental, social, and economic impact of each project from concept through renewal at the end of its life-cycle. They’ve demonstrated this in our commitment to redevelopment work throughout South Florida, in embracing the LEED standards in their projects, and business practices.

Recently the American Public Works Association, the American Society of Civil Engineers, and the American Council of Engineering Companies formed the Institute for Sustainable Infrastructure (ISI). Though still in its early stages, the ISI has released for review and comment a sustainable infrastructure rating tool to help project owners and designers incorporate sustainable practices in the development of infrastructure. CMA has been closely tracking the progress of the rating tool, called envision™, and has begun to implement them and provide comment to ISI for future revisions.

Following project initiation and scoping, CMA will assign the appropriate staff to in order to meet the City’s expectations. Deliverable milestones will be identified and coordinated with CHA and the City and adhered to. CMA’s LA team is proud to say that we communicate consistently with our clients throughout the project lifecycle in order to be certain that their needs are met.

Our approach to this contract illustrates thorough preparation to address the City of Coral Gables’ needs through our multidisciplinary team of experts, resulting in innovative, sustainable, and efficient solutions for the city’s transportation planning and engineering challenges.

Project Management and Oversight

On all projects, CHA retains overall responsibility for the project and client relationship. The closeness to each of our subconsultants is beneficial when coordinating their efforts and managing the project's scope, schedule, and budget to achieve successful completion.



MUTUAL BENEFITS: The relationship between CHA and its selected subconsultant engineering firms is synergistic. The ability of CHA to utilize specialized expertise and additional resources provided by the subconsultants is highly beneficial, enabling our team to deliver high-quality services and expand our service offerings. Additionally, our subconsultants have the ability to work on high-caliber projects with complexity and provide a security blanket for future work. Overall, the interrelationship between CHA and the subconsultant engineering firms is a strategic collaboration aimed at leveraging complementary strengths and resources, enabling the delivery of better outcomes to the client. We have consistently demonstrated our proficiency in scheduling projects, resulting in efficient timelines that meet or exceed expectations. CHA has proven its commitment to meeting or exceeding the City of Coral Gables' project deadlines and budgets.

LEGAL AND CONTRACTUAL CONSIDERATIONS:

The relationship between the consulting firm and its subconsultants is typically governed by contracts and agreements. CHA will confirm that all subconsultants are meeting their contractual obligations regarding time and safety in order to prioritize the project's successful completion. These documents will define the following for each of our subconsultants: terms of engagement, roles and responsibilities, scope of work, payment terms, and intellectual property rights. It's important for CHA to establish clear contractual arrangements to avoid any misunderstandings or disputes prior to embarking on any of the project's facets.



Our approach to a successful project begins with effective communication. We actively listen to understand your facilities, staff, goals, and priorities, ensuring ongoing dialogue throughout the project. We regard ourselves as part of your team, adopting your goals as ours with a commitment to realizing your vision. Our extensive knowledge and supportive approach, coupled with a deep understanding of your operations, allow us to offer innovative designs that deliver high-quality, sustainable, and cost-efficient outcomes. Detailed schedules that align with the City's requirements and equipment lead times will be developed as part of our solutions.



TECHNOLOGICAL CAPABILITIES

1. At CHA, we understand that delivering technologically advanced services to our clients means we must possess robust internal technological capabilities. We maintain a network of over 1,500 computers, laser printers, plotters, and computer-aided design and drafting (CADD) stations to facilitate top-notch engineering design services. Our comprehensive networking infrastructure, including our in-house Xerox Document Production Center, ensures that our staff has the necessary tools to complete projects efficiently and cost-effectively.
2. Our network keeps project managers informed with the latest project cost data and serves as a repository for all our CADD, GIS, and other critical files. This centralized storage system allows for the seamless sharing of data, as well as printing and plotting resources, fostering efficient drawing management and cross-compatibility across multi-disciplinary projects. Moreover, it supports most of our engineering applications, enhancing our operational efficiency.
3. CHA's Wide Area Network (WAN) facilitates information sharing across our nationwide offices. Our extensive intranet is a go-to resource for staff, providing everything from contact information to detailed project data. Our Information Technology (IT) department is capable of creating custom databases for various needs, from storing land survey results for clients to compiling in-house questionnaire responses for management review.
4. To enhance our core engineering and design services, CHA's Technology Solutions Group offers premium IT services. This team comprises seasoned technology experts with specializations in application development, web page design, database development, design systems, visualizations, and other cutting-edge technologies, all of which reinforce our commitment to providing clients with advanced and integrated solutions.

WORKLOAD

Our team is structured to not just meet but exceed every aspect of this project. In selecting our team members, we considered their special capabilities, current and projected workloads, and availability, verifying that the technical qualifications and experience of our staff surpass the requirements of this contract. Our commitment to excellence guarantees that we will deliver services that go beyond the city's satisfaction levels.

This contract demands experienced staffing, robust quality management, and adept administrative skills. Our familiarity with our proposed subconsultants enables us to select the most suitable team member for each task. We've refined our staff selection process, are well-acquainted with each member's background and experience, and will maintain a database of all available personnel. We will track staff certifications, monitor work orders, manage multiple orders concurrently, and assign the most qualified staff for each order.

CHA is renowned for responsive service and technical expertise, a preferred consultant for many municipalities, with over 50 ongoing contracts in Florida for similar services. Our clients rely on us for their most demanding projects.

With 72 years of serving municipal governments, our deep understanding of the challenges, including budget constraints and project timelines, positions us as ideal partners for the City of Coral Gables. Boasting a robust team of over 1,850 professionals, we guarantee timely and efficient project completion, thanks to our staff and subconsultants' significant availability and readiness to dedicate themselves to the City's projects. Our dedicated local CHA team, praised by other Florida governmental agencies, has the direct, relevant experience and commitment to delivering high-quality services and products on schedule and within budget, aligning with the City of Coral Gables' expectations and goals.

Our key personnel are ready to take on this assignment with current and projected workloads reviewed weekly to ensure proper resource allocation. Our staff utilization rates indicate ample availability for project commitments. A detailed breakdown of key personnel availability can be found in the organizational chart on page 26.

Below is a summary of our recent, current, and projected workload.

PROJECT	CLIENT	START DATE	END DATE
CEI Services for Reclaimed Watermain for Area 10	City of Delray Beach, FL	5/4/2021	2/18/2024
Doral 2020-22 Congestion Management Contract	City of Doral, FL	10/23/2023	12/31/2024
Pump Station A-24 Design Build Flagler Village	City of Fort Lauderdale, FL	8/5/2022	1/31/2024

PROJECT	CLIENT	START DATE	END DATE
A&E Services for Seawall Replacement	City of Miami Beach, FL	4/7/2022	12/31/2023
West Avenue Roadway, Drainage, and Lighting Reconstruction	City of Miami Beach, FL	2/22/2023	12/31/2024
COM 20-21-011-6 B2201469 Buena Vista Drainage Improvements 18110.05	City of Miami Department of Resilience and Public Works, FL	11/16/2023	2/1/2026
Curtis Park East, NW N. River Drive (NW 24th Avenue to NW 22nd Avenue)	City of Miami Department of Resilience and Public Works, FL	9/27/2022	12/31/2023
DMSI CM 20-21-006-R Design-Build CW Roads	City of Miami Department of Resilience and Public Works, FL	6/27/2023	8/1/2025
Goal RFQ 22-12-10 A&E Continuing Services	City of Miramar, FL	6/30/2023	1/2/2026
Goal Retrofit Generator Fire Station 19	City of Miramar, FL	8/11/2023	9/20/2024
Pedestrian Bridge over US-1 at S.W. 71st Street	City of South Miami, FL	11/29/2022	12/31/2023
US-27 (Hendry County Line to Old US-27)	Florida Department of Transportation/D-1	8/8/2022	9/27/2022
Core/FDOT D4 24444 Res SR-838/W Sunrise	Florida Department of Transportation/D-4	2/15/2024	2/1/2026
CA655 SR A1A Post Design	Florida Department of Transportation/D-4	5/10/2022	12/31/2023
SR 7/US-441 at Lake Worth Road	Florida Department of Transportation/D-4	2/1/2022	12/31/2023
SR 607/Emerson Avenue (North of SR 614/Indrio Road to South of 25th Street SW)	Florida Department of Transportation/D-4	2/1/2022	12/31/2023
SR 7/US-441 at Lake Worth Road	Florida Department of Transportation/D-4	2/1/2022	12/31/2023
Okeechobee Road	Florida Department of Transportation/D-6	2/9/2017	3/18/2028
SR 922/NE 123rd Street (Sesame Street to Dunnal Avenue) (FPID: 443935-1-52-01)	Florida Department of Transportation/D-6	8/17/2022	12/31/2023
C9O25 Okeechobee Post Design	Florida Department of Transportation/D-6	10/11/2021	12/31/2023
CA490 SR5/FL Keys Coast - Connected Vehicles	Florida Department of Transportation/D-6	6/22/2021	4/7/2025
Infrastructure Renewal Project - Metrorail Acoustical Barrier Replacement	Miami-Dade County Department of Transportation and Public Works, FL	7/17/2021	12/31/2023
AGC Metromover-600V Swt Brk & Replac	Miami-Dade County Department of Transportation and Public Works, FL	3/31/2023	6/28/2024
The Underline, Phase II	Miami-Dade County Department of Transportation and Public Works, FL	11/11/2019	7/16/2025
North District Wastewater Treatment Plant, Disinfection System	Miami-Dade Water and Sewer Department , FL	6/18/2010	12/31/2023
TWO 009 NW 36 CT Turnberry Way	Miami-Dade Water and Sewer Department , FL	4/1/2021	2/24/2024
Furnishing/Installation of Sanitary Force Main @ William Lehman Causeway/Yacht Club @ W. County Club Dr. to Turnberry Way	Miami-Dade Water and Sewer Department , FL	8/8/2022	12/31/2023

INNOVATIVE INITIATIVES

The CHA team brings extensive experience in advancing projects from a conceptual stage to construction. Our staff comprises traffic engineers and planners, roadway designers, drainage engineers, land surveyors, and professionals in CEI. Additionally, our senior staff, with significant expertise in traffic signals and signalization, has coordinated with the Miami-Dade County Department of Transportation and Public Works on the implementation of signalization projects.

The projects listed below exemplify our capacity to seamlessly transition a project from the conceptual stage to a clearly defined project.



Districtwide Pedestrian and Bicycle Safety Studies, Miami-Dade and Monroe Counties | FDOT - District 6

The focus of this contract involves investigating citizen requests related to pedestrian and bicycle safety and mobility and developing conceptual plans to assess the feasibility and construction costs of proposed improvements. The following is a partial list of pedestrian and bicycle projects completed under this contract.

Each study location encompassed a traffic study, the development of conceptual design plans, and preliminary construction cost estimates:

1. **SR 948/NW 36th Street at NE 1st Street:** Installation of a new traffic signal.
2. **SR A1A/Collins Avenue from 32nd Street to 38th Street:** Recommendation for a midblock crossing.
3. **SR A1A/Collins Avenue from 79th Street to 87th Street:** Recommendations for a traffic signal at 79th Street and overhead RRFBs at 83rd Street and 87th Street to facilitate access to “North Shore Open Space Park.”
4. **SR A1A/Indian Creek from 26th Street to 41st Street:** Conducted a pedestrian safety evaluation and lighting study. The study resulted in signing and marking improvements at existing crossings and upgrades to the existing lighting system to enhance pedestrian visibility.
5. **SR 907/Alton Road at 13th Street:** Conducted a pedestrian lighting evaluation and provided recommendations for lighting improvements.
6. **SR A1A/Indian Creek at 67th Avenue:** Implemented a missing crosswalk on the north side of the intersection and coordinated with the Miami-Dade County Signals and Signs Division.

CONTROL OF SCHEDULE AND BUDGET

CHA prides itself on providing strong project management on all its projects and is experienced in ensuring high-quality work within budget and on time. The following is a description of our approach to schedule control, cost control, and quality control.

Control of Project Budget

Maintaining the established budget is a critical aspect of project management, encompassing both design and construction phases. Our comprehensive strategy for budget control starts at the very beginning, with a focus on verifying the most efficient use of resources and minimizing unnecessary expenditures.

In the design phase, budget control begins at the scoping and negotiation stage by creating a detailed scope of work and identifying potential optional services early on. A kickoff meeting with the design team sets the stage to review scope elements, identify future design challenges, and develop alternative designs. Early design acceptance is prioritized to prevent the need for costly redesigns and to keep the project within budget. Vigilance against “scope creep” is practiced to confirm all work remains within the agreed scope of services. Assigning the right staff for each assignment ensures the efficient use of resources, while making use of available data, such as traffic counts and existing conditions information, helps to minimize data collection costs.

For construction budgeting, we establish a baseline by reviewing and updating the engineer’s estimates to confirm the construction budget. Special attention is paid to items with significantly rising costs, such as steel and asphalt. Collaboration with contractors and the utilization of tools like the FDOT Historical Cost spreadsheet are key strategies for tracking unit costs accurately, leading to more precise estimates. Additionally, contingencies are included for unforeseen and risky items during the design phase, aiming for the bid price to meet or be slightly below the projected cost. Identifying fatal flaws early in the process of evaluating alternative improvements and performing thorough field reviews to document existing conditions are also crucial steps. These measures help avoid unnecessary use of contract resources and construction cost increases due to missing design scope items.

This comprehensive approach to cost control, from the initial stages of design through to the completion of construction, allows us to effectively manage and control budgets throughout the entire project lifecycle.

Control of Project Schedule

Our approach to ensuring the timely delivery of assignments integrates strategic resource allocation with meticulous schedule management, embodying the following principles:

- **Rapid Resource Assignment:** We prioritize the quick deployment of resources to address high-priority tasks based on the City’s needs, ensuring critical project components are initiated promptly.
- **Work Plan Development:** By developing a detailed work plan and identifying critical path tasks early on, we can allocate additional resources as necessary to mitigate potential delays.

- **Expertise-Based Staff Assignment:** Assigning staff according to their expertise and experience ensures that tasks are completed correctly the first time, eliminating the need for rework.
- **Continuous Monitoring:** Regular tracking of staff resources and holding weekly internal meetings allows us to stay informed of project progress and address any issues as they arise.

CONTROL OF PROJECT SCHEDULE

From the project's inception, we will establish a schedule that accounts for the time needed for surveying and design, treating the project timeline as a dynamic entity that adapts to the evolving nature of the work. Our proactive management strategy includes:

- **Dynamic Schedule Adaptation:** Recognizing that project timelines are fluid, our schedule is a "living document," regularly updated to reflect the current project status and to incorporate modifications necessitated by the design process.
- **Proactive Issue Resolution:** By maintaining vigilance over the schedule and addressing issues promptly, we ensure the timely completion of design activities, even in the face of unforeseen challenges.
- **Schedule Recovery Planning:** Should unexpected conditions threaten to derail the project timeline, the CHA team is prepared with a project-specific recovery plan that outlines strategies for realignment with the original schedule, potentially involving extended work hours, activity compression, or the mobilization of additional resources.

COMPREHENSIVE DESIGN PROCESS

Our methodical approach to the design of construction documents includes:

- 1 KICKOFF MEETING:** We initiate the project with a meeting to discuss the scope and conduct a field visit, followed by a refined task list, an estimated man-hour breakdown, fee proposal, and a project timeline.
- 2 DATA ACCUMULATION:** Essential design data such as as-built plans, shop drawings, and utility information are collected to inform the design process.
- 3 INITIAL ENGINEERING PHASE:** Coordination with key stakeholders and the development of preliminary plans set the foundation for successful project execution.
- 4 FINAL PLANS PRODUCTION PHASE:** This phase solidifies the project's details, including utility relocation schedules and specifications.
- 5 COMPLETION:** Upon finalization, we'll present the City's Project Manager with signed and sealed construction documents, including plans and specifications.

We are acutely aware of the City's need for adherence to an accelerated schedule and are fully equipped to make necessary adjustments to meet this requirement. Our extensive experience with expedited projects assures our ability to fulfill the City's expectations for efficient project completion.

Quality Assurance/Quality Control (QA/QC)

Our QC Team will consist of several senior registered engineers covering each discipline of the project, and they will not be involved in the day-to-day production of work. The CHA team will develop and submit a QC plan (that will extend to our subconsultants) for the entire contract, and our team will implement this plan rigorously. Our QC process for each TWO relies on delivering and correcting each design/study component as we progress through the evaluation process. Our QA/QC plan includes the following reviews:

- Completeness reviews by each team leader prior to submittal to internal QC reviewers.
- Quality control reviews by experienced senior registered engineers not involved in the design of the projects. These reviews concentrate on compliance with the applicable design criteria.
- Constructability reviews by our experienced senior CEI staff to verify that all proposed improvements in the plans are feasible and can be implemented without any issues during construction.
- Quality assurance reviews by our Quality Control Officer to verify that the Contract Quality Control Plan was followed and executed as required by CHA as Prime Consultant for this contract.

Our team has similar experience on projects with a scope similar to what is anticipated for this one, which was completed on schedule and within budget. One example that stands out for its emphasis on pedestrian and bicyclist safety and for being a walkable community, as the City of Coral Gables is, is the following:



Landmark at Doral Community | City of Doral

In the Landmark at Doral Community project, spanning NW 66th Street from NW 102nd Avenue to NW 107th Avenue, our team was tasked by the City of Doral, Miami-Dade County, to conduct comprehensive traffic calming and shared-use path evaluations. This initiative was aimed at enhancing pedestrian and bicycle safety along key crossings at NW 62nd Street, NW 66th Street, and NW 104th Path. Through meticulous crash reviews, data collection, and field evaluations aligned with Miami-Dade County's Policy on Traffic Calming Measures, we identified and implemented several traffic calming solutions. These improvements included the installation of a pedestrian traffic signal, sharrow markings, speed feedback signs, speed humps, and speed limit signs to address and mitigate safety concerns. The project commenced with a virtual public workshop, which allowed us to engage directly with the community and the City of Doral Police Department to understand and address residents' concerns about speeding and traffic enforcement effectively. This collaborative approach not only ensured that the implemented measures were well-informed but also that they contributed significantly to making the area safer and more walkable for pedestrians and cyclists alike.

Many of our clients use a rating system to grade performance on project assignments. Over 97% of CHA's clients have rated our team as "meets or exceeds their rating criteria."

Other projects completed on schedule and within budget within the City of Coral Gables for FDOT include:

- SR 5/US 1 at Riviera Drive (U-Turn Evaluation)
- SR 5/US 1 at Ponce De Leon (U-Turn Evaluation)
- Coral Gables High School (Speed Zone Evaluation)
- SR 5/US 1 at Granada Blvd (LT Phase Warrant)
- SR 959/SW 57th Avenue at SR 976/Bird Road and SW 41st Street (Pedestrian Crossing Evaluation)
- SR 953/Le Jeune Road between Majorca Avenue and Minorca Avenue (Speed Feedback Signs and Marked Crosswalk)
- SR 976/Bird Road at Toledo Street (Traffic Control Upgrade Evaluation)
- SR 5/US 1 at Riviera Drive (LT Phase Warrant)

COMMUNITY AND BUSINESS INVOLVEMENT

CHA is committed to ensuring accessibility and fostering active engagement with communities and businesses throughout the **Transportation Planning and Engineering Consulting Services** project. With extensive experience in delivering projects that require significant community and business participation, the CHA team excels in integrating these critical stakeholders into our project processes.

Here are examples of projects where the CHA team successfully facilitated substantial community and business involvement:



SR-968/Flagler Street from SW 72nd Ave to SW 27th Ave, City of Miami, FL | FDOT - District 6

CHA developed final design plans for the conversion of this section of Flagler Street from a five-lane typical section which included a Two-Way Left Turn Lane into a four-lane divided typical section. This was a pedestrian safety improvement project which included marked midblock pedestrian crossings at several locations. This project included multiple community meetings which included several elected officials. **Elio Espino, PhD, PE, the proposed project QA/QC Officer** for traffic and signals for this contract, led all community engagement meetings as part of this project.



SR-5/US-1/South Dixie Highway from Santona Street to East of Granada Blvd, City of Coral Gables, FL | FDOT - District 6

This was a safety intersection improvements project including milling and resurfacing project; roadway widening to extend the length of the existing turning lanes at several locations at Alhambra Circle, Caballero Blvd., Mariposa Court, Augusto Street and at Granada Blvd.; minor drainage improvements; sidewalk, curb and gutter and curb ramps reconstruction to comply with ADA requirements; signing and pavement markings; signalization; landscape and irrigation. Project required intensive coordination with the City of Coral Gables, Miami Dade Transit, and Ponce DeLeon Middle School. Several royal palms trees and irrigation system was relocated to accommodate roadway improvements.

ABILITY TO WORK WITH THE CITY

CHA, grounded in our proactive, client-focused strategy, has extensive experience collaborating with other consultants as part of a team. We recognize the unique value each team member contributes to the overall project. Our proposed project manager, **Jennifer Borges, PE, PTOE, MS**, will serve as the primary point of contact, facilitating coordination with other consultants designated by the City. This approach ensures seamless integration and collaboration across all aspects of the project, maximizing efficiency and effectiveness in meeting our clients' needs.

ACCESSIBILITY IN MEETINGS AND COMMUNICATIONS

Our project manager will conduct bi-weekly progress meetings to review the construction schedule, job progress, and other critical elements such as safety, quality control, and incident management plans.

PHYSICAL ATTENDANCE AT PRE-SCHEDULED MEETINGS

CHA is committed to physically attending all pre-scheduled meetings as required. Our team, will be present at these meetings to provide direct input, address concerns, and facilitate effective decision-making.

We recognize the importance of in-person interaction for specific critical discussions, especially for complex coordination tasks and emergency planning.

PRIORITIZING ACCESSIBILITY AND AVAILABILITY

CHA's Doral office, located at **8935 NW 35th Lane, Suite 200, Doral, FL 33172**, close to the city, enables our team to be readily available for impromptu and scheduled meetings with the City's personnel and other stakeholders.

Our team will utilize digital tools and platforms for effective communication, including shared calendars for

scheduling, video conferencing for virtual meetings, and instant messaging for quick coordination.

We will maintain open lines of communication ensuring constant accessibility for the City representatives and the community.

Our approach includes regular reporting to the City's Project Manager and preparing comprehensive meeting minutes to verify all stakeholders are well-informed.



SECTION 4.0

PAST PERFORMANCE AND
REFERENCES

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete on Section F for each project.)	20. EXAMPLE PROJECT KEY NUMBER <div style="font-size: 24pt; font-weight: bold;">1</div>
---	--

21. TITLE AND LOCATION (City and State) Districtwide Pedestrian/Bicycle Safety Studies Contract Various Cities, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2021	CONSTRUCTION (if applicable) N/A

23. PROJECT OWNER'S INFORMATION		
---------------------------------	--	--

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
FDOT - District 6	Ramon Sierra, PE	(305) 470-5336

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

CHA successfully conducted traffic engineering studies for FDOT District 6, focusing on enhancing pedestrian and bicycle safety. In this project, we completed over 66 TWOs, developing conceptual designs for signalization and providing signal timing recommendations to improve safety for pedestrians and cyclists.

Our team crafted innovative Signal Operating Plans (SOPs) aimed at harmonizing vehicle flow with the safety of pedestrians and cyclists. A notable achievement includes our two-controller operation at the City of Key West entrance. This setup allowed us to manage heavy vehicle turns separately from pedestrian crossings on N. Roosevelt Boulevard, enhancing safety and efficiency. Furthermore, we introduced flush plans along SR 736/Davie Boulevard, from I-95 to Andrews Avenue, to lessen the traffic impact from bridge openings at NW 17th Avenue during peak times.

RELEVANCE TO SCOPE

- ✓ Expertise in Pedestrian and Bicycle Safety
- ✓ Comprehensive Approach to Traffic Engineering
- ✓ Innovation in Traffic Management
- ✓ Custom Solutions for Complex Intersections
- ✓ Effective Coordination and Mitigation Strategies

COST

CHA Fee: \$1.5 million



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

a.	(1) FIRM NAME CHA Consulting, Inc.	(2) FIRM LOCATION (City and State) Doral, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

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

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

20. EXAMPLE PROJECT KEY NUMBER

2

21. TITLE AND LOCATION (City and State)

Traffic Calming Evaluation at Landmark at Doral Community
Doral, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2020 - 2022

CONSTRUCTION (if applicable)
N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

City of Doral

b. POINT OF CONTACT NAME

Julio Amoedo, MPA, CGC, CUC, GEC

c. POINT OF CONTACT TELEPHONE NUMBER

(305) 593-6740

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

In the Traffic Calming Evaluation at Landmark at Doral Community project, spanning NW 66th Street from NW 102nd Avenue to NW 107th Avenue, including shared-use path crossings at NW 62nd Street, NW 66th Street, and NW 104th Path, CHA embarked on a mission to enhance pedestrian and bicycle safety for the City of Doral, as part of the Continuing Professional Services Agreement CHA holds with the city.

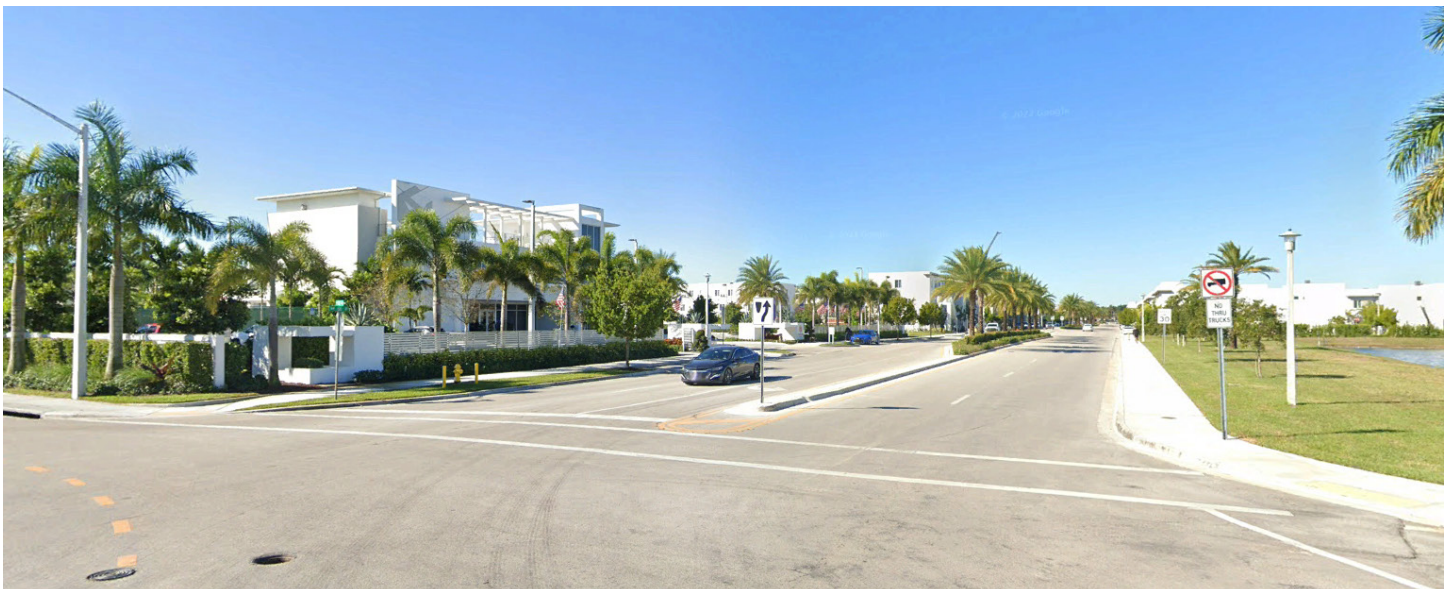
Our efforts involved conducting thorough traffic calming and shared-use path evaluations that led to significant safety improvements in the area. The suite of enhancements we implemented includes the installation of a pedestrian traffic signal, sharrow markings, speed feedback signs, speed humps, and speed limit signs, all designed to foster a safer, more navigable community environment.

Our detailed scope of work covered crash data reviews, comprehensive data collection, spot speed assessments, and field reviews, closely following the Miami-Dade County (MDC) Policy on Traffic Calming Measures. A pivotal element of this project was the organization of a virtual public workshop in partnership with the City of Doral and its Police Department. This forum served as a platform to engage with residents and discuss concerns about speeding, collecting invaluable insights to guide our strategies and enforcement measures. Through these collaborative efforts, CHA aimed to address traffic calming requests and evaluate pedestrian and bicycle safety comprehensively, marking a significant step towards creating a safer, more inclusive Landmark at Doral Community.

Given the scope for Coral Gables, this project's relevance is highlighted in its focus on traffic engineering and transportation planning, roadway and drainage design considerations, public engagement through community feedback, interdisciplinary coordination, and commitment to safety and accessibility improvements. These aspects align with Coral Gables' objectives to enhance urban mobility, engage with stakeholders, and ensure the safety and well-being of the community, demonstrating the project's integral role within the broader aims of the Continuing Professional Services Agreement with the City of Doral.

RELEVANCE TO SCOPE

- ✓ Traffic Engineering and Transportation Planning
- ✓ Roadway and Drainage Design
- ✓ Public Engagement and Community Feedback
- ✓ Interdisciplinary Coordination
- ✓ Safety and Accessibility Improvements



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME CHA Consulting, Inc.	(2) FIRM LOCATION (City and State) Doral, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

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

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

20. EXAMPLE PROJECT KEY NUMBER

3

21. TITLE AND LOCATION (City and State)

Speed Hump/Bump Installation Guidelines and Design Standards
Doral, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2020

CONSTRUCTION (if applicable)
N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

City of Doral, FL

b. POINT OF CONTACT NAME

Rita Carbonell

c. POINT OF CONTACT TELEPHONE NUMBER

(305) 593 6740

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

The City of Doral engaged CHA to develop tailored guidelines for the installation of speed humps and bumps on local and private residential streets, and to establish appropriate standards for their design and placement. The impetus for crafting these guidelines was to furnish the city with detailed criteria that would support decision-making regarding the necessity and implementation of traffic calming measures to regulate vehicle speeds on residential roadways within city boundaries.

Doral, a rapidly expanding city in Florida, encompasses 154 residential communities, out of which 33 had already implemented speed bumps prior to the city's official incorporation. Historically, the city's public works department has relied on the Miami-Dade County's Policy on Speed Humps as a reference for assessing and sanctioning the installation of speed humps in private residential areas. Nevertheless, there was a clear recognition of the need for bespoke guidelines that consider the specific characteristics of the streets and the type of traffic calming solutions—such as speed bumps, humps, or tables—appropriate for local and private residential streets in the city.

The resulting report is structured into two main sections:

Section 1: Speed Hump/Bump Research and Analysis - This section provides an in-depth examination of the effectiveness, design considerations, and impacts of speed humps and bumps based on existing research and analysis.

Section 2: Guidelines for the Installation of Speed Humps/Bumps in the City of Doral - This section presents a set of guidelines crafted for the city's use. These guidelines are designed to assist city officials in their routine operations when reviewing and evaluating proposals for the installation of speed humps/ bumps.

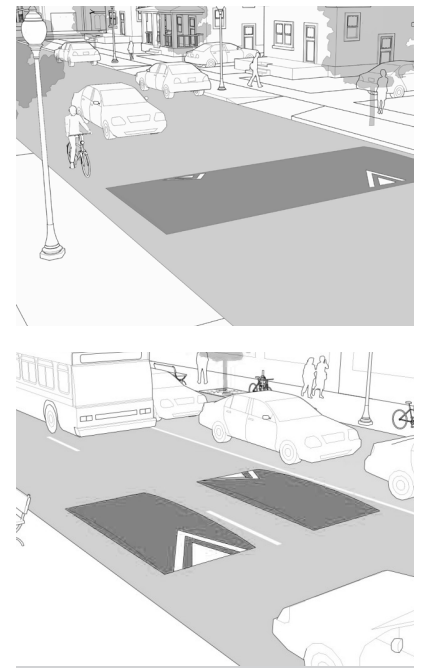
RELEVANCE TO SCOPE

- ✓ Traffic Engineering and Transportation Planning
- ✓ Civil site planning and design including land use
- ✓ Plans Review and Permitting
- ✓ Project Management
- ✓ Land Use and Zoning

COST

CHA Fee: \$28,865

CITY OF DORAL
SPEED HUMP
INSTALLATION GUIDELINES
AND DESIGN STANDARDS



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	CHA Consulting, Inc.	Doral, FL	Prime
b.			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete on Section F for each project.)	20. EXAMPLE PROJECT KEY NUMBER 4
---	--

21. TITLE AND LOCATION (City and State) Resurfacing, Restoration, and Rehabilitation (RRR) of SR-90/SW 8th Street (East of SW 42 Avenue/Leune Road to West of NW 27 Avenue) Various, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2021	CONSTRUCTION (if applicable) N/A

23. PROJECT OWNER'S INFORMATION		
---------------------------------	--	--

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
FDOT - District 6	Joaquin De La Cruz, PE	(305) 470-5258

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

CHA took the lead on a vital RRR initiative along SR-90/SW 8th Street, focusing on both preserving the roadway and enhancing its overall usability. The project's primary objective was to extend the life of the road through meticulous milling and resurfacing of the existing flexible asphalt pavement. This was part of a broader effort to improve the general safety and operational characteristics of this crucial highway, ensuring a smoother and safer journey for all road users.

Key improvements under this project were comprehensive and aimed at meeting modern standards of road safety and accessibility. These enhancements included the upgrading of ADA-compliant curb ramps, modernizing pedestrian traffic signals, detectors, and signage, as well as refining signing and pavement markings. Another significant aspect of the project was the development of tree disposition plans. This involved a detailed assessment of existing trees along the roadway to determine which ones needed to be trimmed, removed, or relocated to eliminate sight distance safety issues, thereby enhancing visibility and safety for motorists and pedestrians alike.

The project necessitated extensive coordination with the FDOT Environmental Office, given the corridor's status as a state historical highway surrounded by numerous cultural and historical sites. This collaboration was essential to ensure that the roadway improvements were implemented sensitively and in a manner that preserved the area's rich heritage. Through careful planning and execution, CHA's leadership in this RRR project not only aimed to rejuvenate the roadway but also to respect and protect the historical significance of the corridor.

RELEVANCE TO SCOPE

- ✓ Roadway and Drainage Design
- ✓ Traffic Engineering and Transportation Planning
- ✓ Construction Engineering Inspection (CEI) and Contract Administration
- ✓ Environmental and Historical Consideration
- ✓ Multidisciplinary Collaboration

COST

CHA Fee: \$648,541



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

a.	(1) FIRM NAME CHA Consulting, Inc.	(2) FIRM LOCATION (City and State) Doral, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

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

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

20. EXAMPLE PROJECT KEY NUMBER

5

21. TITLE AND LOCATION (City and State)

Federally Funded Canal Bank Stabilization for Dressel Canal and NW 117 Ave - Phase 1
Doral, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2021

CONSTRUCTION (if applicable)
2021

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

City of Doral, FL

b. POINT OF CONTACT NAME

Julio Amoedo, MPA, CGC, CUC, GEC

c. POINT OF CONTACT TELEPHONE NUMBER

(305) 593-6740

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

CHA provided CEI services for two distinct canal improvement initiatives. The first project, the Dressel Canal project, involved the construction of the Dressel's Dairy Trail, a shared-use path for pedestrians and cyclists, along NW 41st Street, stretching from NW 87th Avenue to NW 82nd Avenue. The second project focused on the NW 117th Avenue Canal and its accompanying pedestrian and bicycle path, which runs from NW 41st Street to NW 58th Street.

These pathways have enhanced cyclist safety, supported multi-modal transportation, and alleviated traffic congestion in the area. CHA was responsible for administering field inspection and oversight services. This included reviewing schedules during construction and providing RCS services to ensure that the construction work closely followed the approved contract documents, specifications, plans, policies, and procedures. Their responsibilities encompassed coordinating with governing agencies, managing safety concerns, and ensuring adherence to MOT plans. Furthermore, CHA was tasked with verifying the quantities installed by the contractor and issuing payment recommendations to the city.

CHA's comprehensive tasks for the project included initiating with a preconstruction meeting, scrutinizing the job schedule, and ensuring the contractor's compliance with MOT through daily reviews and safety plan assessments. The team managed the contractor's Erosion and Sedimentation Control Plan with daily inspections for adherence, inspected the installation of the bank stabilization system, and oversaw the construction of the bicycle/pedestrian path. They also certified material testing and conducted geotechnical investigations as needed, monitored the removal and installation of guard rails, inspected sod placement and final site restoration, and coordinated utilities while managing reports on utility damage. Additionally, CHA reviewed and approved monthly payment estimates, led construction progress meetings, and generated daily reports to maintain consistent project oversight.

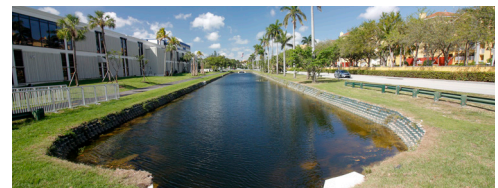
RELEVANCE TO SCOPE

- ✓ Traffic Engineering and Transportation Planning
- ✓ Environmental Engineering
- ✓ Project Management and CEI
- ✓ Landscape Design
- ✓ Plans Review and Permitting

COST

CHA Fee: \$120,536

Construction Cost: \$550,000



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME CHA Consulting, Inc.	(2) FIRM LOCATION (City and State) Doral, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)				
		1	2	3	4	5
Jennifer Borges, PE, PTOE, MSEM	Project Manager	X				
Carlos Gil-Mera, PE, CGC	Principal	X	X	X	X	X
Antonio Acosta, PE, CGC	QA/QC Manager	X	X	X	X	X
Eithel Sierra, PE	Roadway and S&PM				X	
Michael Culmo, PE	Structures					
Eduardo Martinez, PE	Lighting					
Elio R. Espino, PE, PhD	Traffic & Signals	X	X	X		
Arnelio Alfonso, PE	Drainage				X	X
Dima Poe, PE, IMSA II	Traffic & Planning	X	X	X		
Sonia Shreffler-Bogart, PE	Traffic & Planning					
Javier Rodriguez, EI, IMSA II	Traffic & Planning	X	X	X		
Ehsan Doustmohammadi, PhD, PE, PTOE, RSP1	Corridor Planning & Studies					
Andrew N. Panek, MS, PE	Corridor Planning & Studies					
Leevenson Calixte, EI	Corridor Planning & Studies					
Alejandro Leon, PE, MSEM	Roadway & Drainage Design			X	X	
Victor Venezia, PE	Roadway & Drainage Design					
Michael Perez-Cea, PE	Roadway & Drainage Design				X	
Angela Baron-Ruiz, PE, ENV SP	Drainage & Permitting				X	X
Rocio Trimino-Gort, EI	Drainage & Permitting				X	X
Lisette Guon, EI	Utility Coordination	X				
Nereyda Mesa	Utility Coordination	X				
Mark Cissell, PE	Signing, Pavement, Channelization					
Kevin Hernandez	Signing, Pavement, Channelization					
Lidia Regalado, PE, PMP	Signalization	X				

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

No.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Districtwide Pedestrian/Bicycle Safety Studies Contract
2	Traffic Calming Evaluation at Landmark at Doral Community
3	Speed Hump/Bump Installation Guidelines and Design Standards
4	Resurfacing, Restoration, and Rehabilitation (RRR) of SR-90/SW 8th Street (East of SW 42 Avenue/Leune Road to West of NW 27th Ave.)
5	Federally Funded Canal Bank Stabilization for Dressel Canal and NW 117th Ave. - Phase 1

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)				
		1	2	3	4	5
Hector Vargas, EI, IMSA II	Signalization	X				
Juan Peña, EI, IMSA II	Signalization	X				
Jim Aitken, PE	Structures					
Adrian Alfonso, PE	Structures	X				
Roberto Gonzalez, PE	Structures	X				
Mony Manoyrine, PE	Lighting	X				
David Sigler, EI	Lighting				X	
Ricardo Batista, EI	Lighting					
Anna Ingwersen	Environmental					
Levi Boyle, PE	CEI & Contract Administration					
Rhonda Griffis, MCM	CEI & Contract Administration					
Jose Castellanos	CEI & Contract Administration					
Lazaro Pedroso	CEI & Contract Administration					

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

No.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Districtwide Pedestrian/Bicycle Safety Studies Contract
2	Traffic Calming Evaluation at Landmark at Doral Community
3	Speed Hump/Bump Installation Guidelines and Design Standards
4	Resurfacing, Restoration, and Rehabilitation (RRR) of SR-90/SW 8th Street (East of SW 42 Avenue/Leune Road to West of NW 27th Ave.)
5	Federally Funded Canal Bank Stabilization for Dressel Canal and NW 117th Ave - Phase 1

LIST OF UNSATISFACTORY CONTRACTS WITH THE CITY OF CORAL GABLES

In response to the Section 4.0 of the RFQ requesting a Contract List with the City of Coral Gables, CHA wishes to convey that our history of service for the City of Coral Gables reflects a consistent track record of satisfactory performance. We take great pride in our ability to meet and often exceed the standards of performance agreed upon in our contracts, a testament to our dedication to quality workmanship, timely progress, and professional conduct of work

As of this response, **CHA has no incidents of discontinued service or unsatisfactory performance records with the City of Coral Gables** within the scope of our past or present contracts. Our engagements have always aligned with our commitment to delivering exceptional service and fostering a positive, collaborative relationship with the City and its various departments.

We are dedicated to maintaining this standard of excellence and look forward to the opportunity to continue serving the City of Coral Gables with the same level of integrity, professionalism, and quality that has characterized our work to date. For specific details regarding our projects, including the name of the City Department for which the services were performed, scope/description of work, awarded/current value of the contract, effective dates and term, City project manager's contact information, our role as the prime contractor or subcontractor, and results of the project, we are prepared to provide comprehensive information upon request or as part of further discussions.

Our commitment to the City of Coral Gables is unwavering, and we are eager to contribute to its future projects with the same dedication and excellence that have marked our past contributions.



CONTACT INFORMATION LIST

In response to Section 4.0 of the RFQ regarding the Contact Information List, CHA is pleased to report that within the past two years, we have not had any public sector clients discontinue the use of our services. This record underscores our commitment to delivering exceptional quality, maintaining strong client relationships, and ensuring project success. Our team takes pride in our ability to meet and exceed the expectations of our clients through proactive, client-focused strategies and comprehensive project management. CHA values the trust and collaboration shared with each of our clients and is dedicated to continuing this tradition of excellence. The City reserves the right to contact any references as part of the evaluation process, and we are confident in the positive feedback that such inquiries would reveal about our services and client satisfaction.



LITIGATION HISTORY

CHA is a large professional engineering firm with more than 50 offices throughout the United States and Canada. CHA performs thousands of projects each year. For a firm of its size and diversity, CHA's involvement in legal claims and lawsuits is remarkably infrequent, due chiefly to its competent and well-trained staff and its rigorous and comprehensive Quality Management System.

CHA has not been involved in any criminal matters nor had any disciplinary sanctions imposed against the firm or any of its officers. Nor has the firm had any civil judgments entered against it. However, claims against CHA do occur, and CHA has, over the past 5 years, been involved in ordinary civil litigation in the course of its business.

CHA is confident in its ability to successfully defend, or settle on favorable terms, all such outstanding claims. Furthermore, for the protection of CHA and its clients, CHA always maintains a comprehensive insurance program that includes professional liability, workers' compensation, comprehensive general liability, automobile, and umbrella policies, with limits sufficient to cover the defense and payment of all outstanding claims against CHA.

In the opinion of CHA's management, no claim or lawsuit currently pending against CHA will materially affect CHA's ability to perform any ongoing or potential future project.

SECTION 5.0

AGREEMENT COMMENTS

AGREEMENT COMMENTS

CHA submits the following questions/comments/exceptions to the City's template Professional Services Agreement ("PSA") for **Transportation Planning and Engineering Consulting Services**, in connection with RFQ No. 2024-007:

PAGE #	PARAGRAPH REFERENCE	QUESTION / COMMENT / EXCEPTION
2	1.5 (Polygraph Examination)	We would like to understand the context behind this provision. Specifically, we have concerns that it violates the Employee Polygraph Protection Act, insofar as related to the services to be performed under this Agreement. Would the City consider removing this provision from the PSA.
4-6	4.5, et seq (Indemnification and Hold Harmless)	<p>The indemnity provision contained in the PSA does not appear to be consistent with the Florida Statutes insofar as applicable to professional engineers. In particular, the indemnity provision, as drafted, includes an "up-front" defense obligation and various indemnity triggers that exceed the scope of indemnification (e.g., "to the extent caused by the negligence, recklessness, or intentional wrongful misconduct") mandated by the Florida Statutes as applicable for professional engineers. For example, the indemnity provision contained in the reference PSA includes triggers for "indirect or consequential" damages. Would the City consider revising the indemnity provision to render it consistent with Florida law, or include a provision similar to that contained in the professional services agreements utilized by the Florida Department of Transportation and other public entities? See, for example, the following contained in FDOT's "Standard Professional Services Agreement":</p> <p style="margin-left: 40px;">4. INDEMNITY AND INSURANCE:</p> <p style="margin-left: 80px;">A. If the Consultant is an individual or entity licensed by the state of Florida who holds a current certificate of registration under Chapter 481, Florida Statutes, to practice architecture or landscape architecture, under Chapter 472, Florida Statutes, to practice land surveying and mapping, or under Chapter 471, Florida Statutes, to practice engineering, and who enters into a written agreement with the Department relating to the planning, design, construction, administration, study, evaluation, consulting, or other professional and technical support services furnished in connection with any actual or proposed construction improvement, alteration, repair, maintenance, operation, management, relocation, demolition, excavation, or other facility, land, air, water, or utility development or improvement, the Consultant will indemnify and hold harmless the Department, and its officers and employees, from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the Consultant and other persons employed or utilized by the Consultant in the performance of the contract.</p> <p style="margin-left: 80px;">The parties agree that 1% of the total compensation to the Consultant for performance of this Agreement is the specific consideration from the Department to the Consultant for the Consultant's indemnity agreement.</p>

* CHA reserves the opportunity to negotiate in good faith with the City towards the execution of a final agreement in the event of an award under the above-referenced RFQ.

PREPARED FOR:

Mike Pounds

Chief Procurement Officer
City of Coral Gables
224 Catalonia Ave.
Coral Gables, FL 33134

FOR MORE INFORMATION CONTACT:

Jennifer Borges, PE, PTOE, MSEM

Project Manager
CHA Consulting, Inc.
O: (786) 257-3076
E: jborges@chasolutions.com

