

# Multimodal Transportation Planning and Engineering Consulting Services RFQ 2017.05.YG



## Contact Information

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July 11, 2017







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# Proposer's Acknowledgement Form



# CITY OF CORAL GABLES, FL

2800 SW 72<sup>nd</sup> Avenue, Miami, FL 33155  
Finance Department / Procurement Division  
Tel: 305-460-5102 / Fax: 305-261-1601

## PROPOSER'S ACKNOWLEDGEMENT

<b>RFQ Title: Multimodal Transportation Planning and Engineering Consulting Services</b>	Sealed response submittals must be received prior to <b>2:00 p.m., Tuesday, July 11, 2017</b> , by the Procurement Division, located at 2800 SW 72 <sup>nd</sup> Avenue, Miami, FL 33155 and are to remain valid for 120 calendar days. Submittals received after the specified date and time will be returned unopened.
<b>RFQ No. 2017.05.YG</b>	
A cone of silence is in effect with respect to this RFQ. The Cone of Silence prohibits certain communication between potential vendors and the City. For further information, please refer to the City Code Section 2-1059 of the City of Coral Gables Procurement Code.	Contact: Yusbel Gonzalez, CPPB Title: Procurement Specialist Telephone: 305-460-5107 Email: <a href="mailto:ygonzalez@coralgables.com">ygonzalez@coralgables.com</a> / <a href="mailto:contracts@coralgables.com">contracts@coralgables.com</a>

Proposer's Name: CH2M HILL Engineers, Inc.	FEIN or SS Number: 32-0100027
Complete Mailing Address: 3150 SW 38 Ave, Suite 700 Miami, FL, 33146	Telephone No.: (954) 513-1560
	Cellular No.: (954) 299-8577
Indicate type of organization below: Corporation: <input checked="" type="checkbox"/> Partnership: <input type="checkbox"/> Individual: <input type="checkbox"/> Other: <input type="checkbox"/>	Fax No.: N/A
Bid Bond / Security Bond (if applicable) _____ %	Email: Sirpa.Hall@ch2m.com

**ATTENTION: THIS FORM ALONG WITH ALL REQUIRED RFQ FORMS MUST BE COMPLETED, SIGNED (PREFERABLY IN BLUE INK), AND SUBMITTED WITH THE RESPONSE PRIOR TO THE SUBMITTAL DEADLINE. FAILURE TO DO SO MAY DEEM PROPOSER AS NON-RESPONSIVE.**

THE PROPOSER CERTIFIES THAT THIS SUBMITTAL IS BASED UPON ALL CONDITIONS AS LISTED IN THE RFQ DOCUMENTS AND THAT THE PROPOSER HAS MADE NO CHANGES IN THE RFQ DOCUMENT AS RECEIVED. THE PROPOSER FURTHER AGREES IF THE RESPONSE IS ACCEPTED, THE PROPOSER WILL EXECUTE AN APPROPRIATE AGREEMENT FOR THE PURPOSE OF ESTABLISHING A FORMAL CONTRACTUAL RELATIONSHIP BETWEEN THE PROPOSER AND THE CITY OF CORAL GABLES FOR THE PERFORMANCE OF ALL REQUIREMENTS TO WHICH THIS RFQ PERTAINS. FURTHER, BY SIGNING BELOW PREFERABLY IN **BLUE INK**, ALL RFQ PAGES ARE ACKNOWLEDGED AND ACCEPTED AS WELL AS ANY SPECIAL INSTRUCTION SHEET(S) IF APPLICABLE. THE UNDERSIGNED HEREBY DECLARES (OR CERTIFIES) ACKNOWLEDGEMENT OF THESE REQUIREMENTS AND THAT HE/SHE IS AUTHORIZED TO BIND PERFORMANCE OF THIS RFQ FOR THE ABOVE PROPOSER.

Sirpa Hall, PE

  
Authorized Name and Signature

Senior Business Vice President

Title

  
Date





# Solicitation Submission Check List





# **SOLICITATION SUBMISSION CHECKLIST**

## **Request for Qualifications (RFQ) No. 2017.05.YG**

COMPANY NAME: (Please Print): CH2M HILL Engineers, Inc.  
Phone: (786) 251-0315 Email: Alfred.Lurigados@ch2m.com

**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. I-1
- 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. I-2
- 3) Fill out, sign, and submit the Proposer's Acknowledgement Form. I-3
- 4) Fill out and submit the Solicitation Submission Check List. I-4
- 5) Fill out, sign, notarize, and submit the Proposer's Affidavit and Schedules A through I. I-7
- 6) Fill out, sign, and submit 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. I-19
- 7) Minimum Qualification Requirements: submit detailed verifiable information affirmatively documenting compliance with the Minimum Qualifications Requirements shown in Section 3. I-91
- 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. I-92

### **SUBMITTAL - SECTION II: PROPOSER'S QUALIFICATIONS**

- 1) Provide a complete company background and history, including, but not limited to: firm's location, the number of years in business, credentials, copy of applicable licenses/certifications, capabilities and capacity to effectively meet the City's needs, number of employees, relevant experience and proven track record of providing the scope of services as identified in this solicitation to public sector agencies. II-1
- 2) Provide a statement detailing Proposer's familiarity with permitting agencies and permitting procedures, especially in Miami-Dade County. II-2
- 3) Provide detailed information on at least five (5) of the Proposer's most recent and relevant projects similar in scope and nature to the services described in the solicitation. Include project(s) outside of the State of Florida which highlight context sensitive solutions. Please provide this information utilizing Standard Form 330, Part I – Section F. Proposer shall under sub-section 23 – "Project Owner's Information" 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.** II-3

- 4) Describe the Proposer's expertise and experience with: (i) working with other disciplines, including coordination with other design professionals and sub-consultants; (ii) improving safety through design (if possible, include before and after data); (iii) designing complete streets/road diet projects. Explain how Respondent has dealt with the County/FDOT to obtain approval; (iv) obtaining County approval for design exceptions or variations (i.e. lane width reductions). II-2

#### **SUBMITTAL - SECTION III: STAFFING PLAN**

- 1) Provide an organizational chart, resumes, and background information for the company's key personnel, relevant to the scope of work, (including, but not limited to: principal, project manager, engineers, field representatives, field inspectors, sub-consultants, and other technical personnel), including experience with similar projects. Please provide this information utilizing Standard Form SF330, Part I – Section E. Include copies of applicable licenses/certifications. III-1

#### **SUBMITTAL – SECTION IV: PROJECT CONTROL EXPERIENCE**

- 1) Please describe Proposer's detailed approach and methodology as it relates to the scope of services requested in this RFQ, including, but not limited to: (a) innovative interaction and communication with the community, City staff, and multiple stakeholders; (b) Proposer's intent to positively and innovatively work with the City; and (c) the Proposer's commitment to represent the City on short notice at meetings with the community, City staff, or Commission. IV-1
- 2) Describe the Proposer's ability to (i) 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; (ii) 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; (iii) successfully deliver similar projects that have significant community and business involvement; (iv) perform Multimodal Level of Service (LOS) in traffic impact studies; (v) provide sustainable design elements in projects. Include specific examples undertaken with other public entities; (vi) to work with other consultants designated by the City. IV-2 to IV-4
- 3) Describe the Proposer's innovative traffic calming alternatives for residential neighborhoods that do not simply divert traffic to adjacent streets. Discuss how a design solution was the first of its kind in a jurisdiction and how decision makers were influenced to accept the innovation.. IV-4
- 4) 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. IV-5
- 5) Describe the Proposer's approach to delivering projects on time and how schedule slips will be mitigated. IV-5

#### **SUBMITTAL – SECTION V: LOCAL OFFICE IN MIAMI-DADE COUNTY**

- 1) Indicate whether Proposer has a physical Miami-Dade County business address, from which the Proposer operates or performs business. The Proposer must have and provide with proposal a valid Miami-Dade County business tax receipt issued at least six (6) months prior to proposal submission, and which is appropriate for the goods or services to be purchased under this RFQ. Post office boxes are not verifiable and shall not be considered a place of business. V-1

#### **SUBMITTAL – SECTION VI: LOCAL OFFICE IN THE CITY OF CORAL GABLES**

- 1) Indicate whether Proposer has a physical Coral Gables business address, from which the Proposer operates or performs business. The Proposer must have and provide with proposal a valid Coral Gables business tax receipt issued at least six (6) months prior to proposal submission, and which is appropriate for the goods or services to be purchased under this RFQ. Post office boxes are not verifiable and shall not be considered a place of business. VI-1

**-- 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 ORIGINAL RESPONSE and SEVEN (7) PHOTOCOPIES with ONE (1) digital copy on a CD or flash drive.
- ☒ 4. Clearly mark the following on the outside of your submittal package: RFQ Number, RFQ Title, Proposer's Name and Return Address, Submittal Deadline.
- ☒ 5. 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.**

***Balance of Page Intentionally Left Blank***





# Proposer's Affidavit and Schedules A through I






## PROPOSER'S AFFIDAVIT

**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 RFQ Schedules A through I shall be relied upon by Owner awarding the contract and such information is warranted by proposer to be true and correct. The discovery of any omission or misstatements that materially affects the Firm 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 Firm that has submitted the attached Response)*. Schedules A through I are subject to Local, State and Federal laws (as applicable); both criminal and civil.

- SCHEDULE A – CERTIFICATE OF PROPOSER
- SCHEDULE B – NON-COLLUSION AND CONTINGENT FEE AFFIDAVIT
- SCHEDULE C – DRUG-FREE STATEMENT
- SCHEDULE D – PROPOSER'S QUALIFICATION STATEMENT
- SCHEDULE E – STATEMENT OF NO-RESPONSE
- SCHEDULE F – CODE OF ETHICS, CONFLICT OF INTEREST, AND CODE OF SILENCE
- SCHEDULE G – AMERICANS WITH DISABILITIES ACT (ADA)
- SCHEDULE H – PUBLIC ENTITY CRIMES
- SCHEDULE I – 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 Firm 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.

Sirpa Hall, PE 	Senior Business Vice President	7/6/17
<i>Authorized Name and Signature</i>	<i>Title</i>	<i>Date</i>

STATE OF Florida

COUNTY OF Broward

On this 16 day of July, 20 17, before me the undersigned Notary Public of  
the State of FL, personally appeared Sirpa Hall  
(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 FL

Dionna Abel

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

NOTARY PUBLIC  
SEAL OF OFFICE:

Personally know to me, or Produced  
Identification:

\_\_\_\_\_  
(Type of Identification Produced)

#### **SCHEDULE "A" - CITY OF CORAL GABLES - CERTIFICATE OF PROPOSER**

Neither I, nor the firm, hereby represent 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 Senior Business Vice President  
(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: N/A 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 Firm 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:

Company Name: CH2M HILL Engineers, Inc.

Address: 3150 SW 38 Ave, Suite 700, Miami, FL, 33146  
Street City State Zip Code

Telephone No: (954) 513-1560 Fax No: ( ) N/A Email: Sirpa.Hall@ch2m.com

How many years has your organization been in business under its present name? 70 Years

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

N/A

Under what former names has your business operated? : N/A

At what address was that business located? N/A

Are You Certified? Yes X No \_\_\_\_\_ If Yes, **ATTACH COPY** of Certification.  
Are You Licensed? Yes X No \_\_\_\_\_ If Yes, **ATTACH COPY** of License

Has your company or its senior officers ever declared bankruptcy?

Yes \_\_\_\_\_ No X If yes, explain: \_\_\_\_\_

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 RFP:

CH2M HILL Engineers, Inc. and its aligned entities strive to maintain a strong philosophy of resolving disputes, whenever possible, without resorting to litigation. While there have been some disputes, claims, arbitrations or lawsuits in the normal course of business, the number of such instances is minimal, especially considering the nature of work and the size of the company. The company considers its claims and related negotiations or resulting settlements to be confidential to the company and its clients. While the outcome of pending disputes is often difficult to predict, the senior management and General Counsel believe that no pending dispute, claim, arbitration or lawsuit will result in a material adverse impact on the company's consolidated financial statements or its ability to perform its obligations under any contract.

Have you ever been debarred or suspended from doing business with any government entity?

Yes \_\_\_\_\_ No X If Yes, explain \_\_\_\_\_

# *State of Florida*

## *Department of State*

I certify from the records of this office that CH2M HILL ENGINEERS, INC. is a Delaware corporation authorized to transact business in the State of Florida, qualified on January 7, 2004.

The document number of this corporation is F04000000108.

I further certify that said corporation has paid all fees due this office through December 31, 2017, that its most recent annual report/uniform business report was filed on April 10, 2017, 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 Nineteenth day of June, 2017*



*Ken DeFoner*  
**Secretary of State**

Tracking Number: CU3693501149

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

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



Florida Board of Professional Engineers  
2639 North Monroe Street, Suite B-112  
Tallahassee, FL 32303-5268

CH2M Hill Engineers, Inc.  
9191 S. JAMAICA STREET  
ATTN: SALLY HILL  
ENGLEWOOD, CO 80112

Each licensee is solely responsible for notifying the Florida Board of Professional Engineers in writing the licensee's current address.

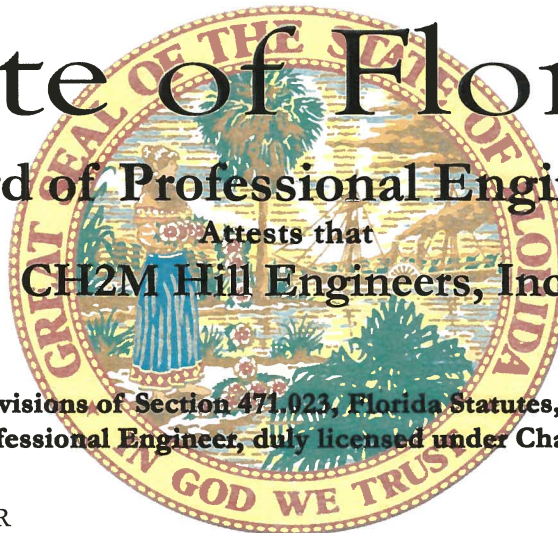
Name changes require legal documentation showing name change. An original, a certified copy, or a duplicate of an original or certified copy of a document which shows the legal name change will be accepted unless there is a question about the authenticity of the document raised on its face, or because the genuineness of the document is uncertain, or because of another matter related to the application.

At least 90 days prior to the expiration date shown on this license, a notice of renewal will be sent to your last known address. If you have not yet received your notice 60 days prior to the expiration date, please call (850) 521-0500, or write, Florida Board of Professional Engineers, 2639 North Monroe Street, Suite B-112, Tallahassee, FL 32303-5268 or e-mail: [board@fbpe.org](mailto:board@fbpe.org). Our website address is <http://www.fbpe.org>.

# State of Florida

## Board of Professional Engineers

Attests that  
CH2M Hill Engineers, Inc.



Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Expiration: 2/28/2019

Audit No: 228201902457 R

CA Lic. No:

25861



## **SCHEDULE "E" CITY OF CORAL GABLES – STATEMENT OF NO-RESPONSE**

### **Not Applicable**

NOTE: If you do not intend to respond to this RFQ, please return this form immediately. Failure to return this form may result in your name being removed from the list of Proposers for the City of Coral Gables. Please indicate Request for Qualification name and number on the outside of the envelope.

MAIL TO: CITY OF CORAL GABLES  
2800 S.W. 72nd AVENUE  
MIAMI, FL 33155  
ATTN: PROCUREMENT DIVISION  
EMAIL: [contracts@coralgables.com](mailto:contracts@coralgables.com)

We, the undersigned have declined to respond for the following reason:

- ☐ Insufficient time to respond to the Request for Qualification.
- ☐ We do not offer these services or an equivalent.
- ☐ Our schedule would not permit us to perform.
- ☐ Unable to meet specifications.
- ☐ Unable to meet Bond requirements.
- ☐ Specifications unclear (explain below).
- ☐ Unable to meet insurance requirements.
- ☐ Other (specify below)

REMARKS:

---

COMPANY NAME:

SIGNATURE:

ADDRESS:

TELEPHONE NO.

FAX NO.

EMAIL ADDRESS:



**SCHEDULE "F" 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 LINKS, ORDINANCE NO. 2009-53; SEC 2-1055; SEC 2-677; AND SEC 2-1059, 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 "G" CITY OF CORAL GABLES - AMERICANS WITH DISABILITIES ACT (ADA)  
DISABILITY NONDISCRIMINATION STATEMENT**

I understand that the 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 "H" 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. **[indicate which statement applies.]**

  X   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 "I" 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 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 Qualifications.

Addendum No. 1 Date 6/7/2017

Addendum No. \_\_\_\_\_ Date \_\_\_\_\_

Addendum No. 2 Date 6/14/2017

Addendum No. \_\_\_\_\_ Date \_\_\_\_\_

Addendum No. \_\_\_\_\_ Date \_\_\_\_\_

Addendum No. \_\_\_\_\_ Date \_\_\_\_\_

Addendum No. \_\_\_\_\_ Date \_\_\_\_\_

Addendum No. \_\_\_\_\_ Date \_\_\_\_\_



# Standard Form 330, Architect-Engineer Qualifications



# ARCHITECT - ENGINEER QUALIFICATIONS

## PART I - CONTRACT-SPECIFIC QUALIFICATIONS

### A. CONTRACT INFORMATION

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

Multimodal Transportation Planning and Engineering Consulting Services, Coral Gables, FL

2. PUBLIC NOTICE DATE

May 30, 2017

3. SOLICITATION OR PROJECT NUMBER

RFQ # 2017.05.YG

### B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Alfred Lurigados, PE, Project Manager

5. NAME OF FIRM

CH2M HILL Engineers, Inc.

6. TELEPHONE NUMBER

(786) 251-0315

7. FAX NUMBER

N/A

8. E-MAIL ADDRESS

Alfred.Lurigados@ch2m.com

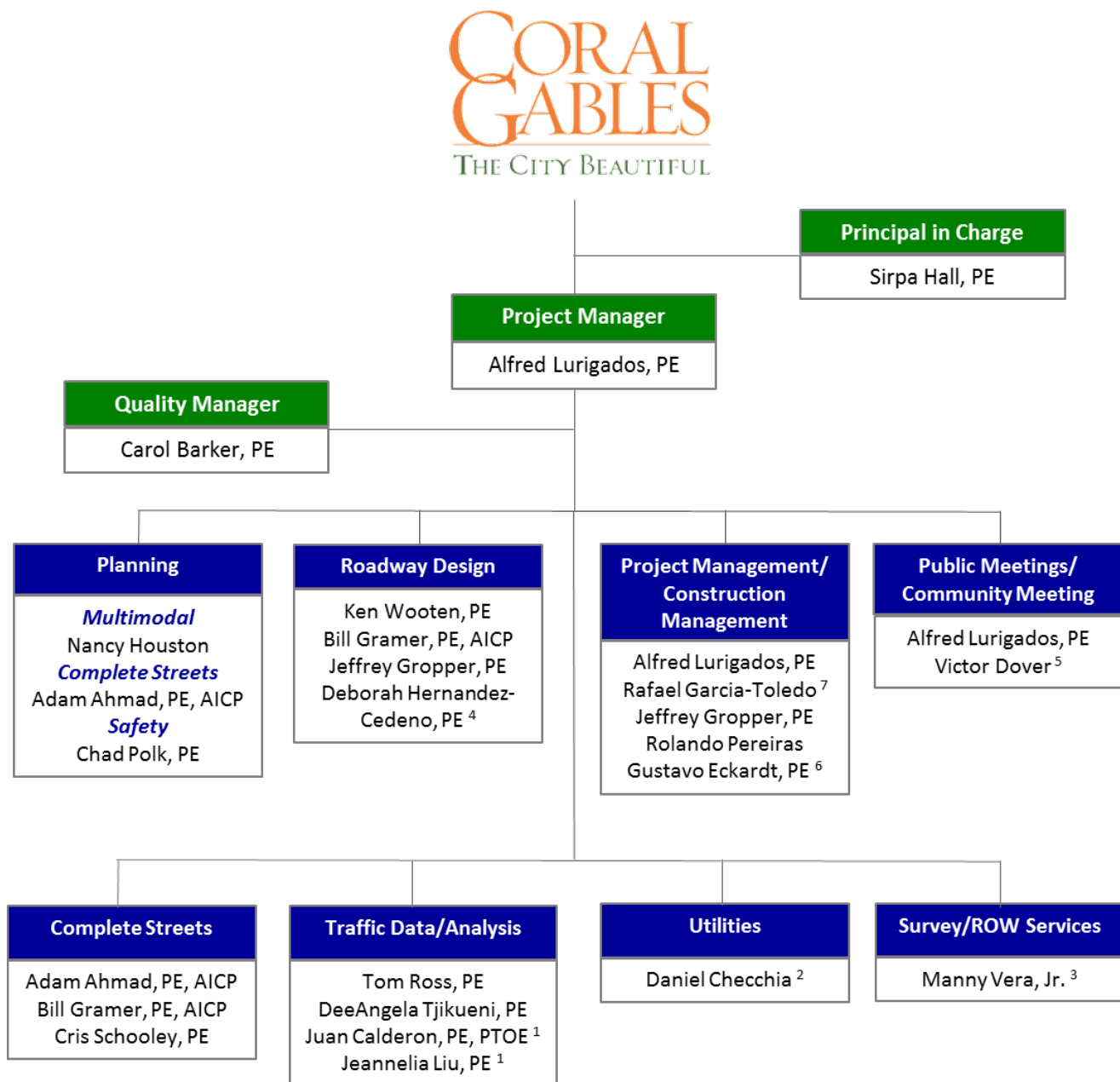
### C. PROPOSED TEAM

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

	(Check)			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V PARTNER	SUB CONTRACTOR			
a.	X			CH2M HILL Engineers, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	3150 SW 38 Ave, Suite 700 Miami, FL 33146	Project management; Construction management; Roadway design; Public meeting/community meeting
b.	X			CH2M HILL Engineers, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	550W, Cypress Creek Road Fort Lauderdale, FL 33309	Project management
c.	X			CH2M HILL Engineers, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	225 East Robinson Street, Suite 505, Orlando, FL 32801	Planning; Traffic data/analysis; Complete Streets
d.	X			CH2M HILL Engineers, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	4350 W Cypress Street, Suite 600, Tampa, FL 33607	Planning, Roadway design
e.	X			CH2M HILL Engineers, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	5801 Pelican Bay Boulevard, Suite 505, Naples, FL, 34108	Planning, Roadway design; Complete Streets
f.			X	Caltrans Engineering Group <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	790 NW 107 Avenue, Suite 200 Miami, FL 33172	Traffic data/analysis
g.			X	Keith & Associates <input type="checkbox"/> CHECK IF BRANCH OFFICE	2160 NW 82 Avenue Doral, FL 33122	Utilities
h.			X	MG Vera and Associates <input type="checkbox"/> CHECK IF BRANCH OFFICE	13960 SW 47 Street Miami FL. 33165	ROW/Survey services
i.			X	Kisinger Campo & Associates <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	201 N. Franklin St., Suite 400, Tampa, FL 33602	Roadway design
j.			X	Dover Kohl & Partners <input type="checkbox"/> CHECK IF BRANCH OFFICE	1571 Sunset Drive Miami, FL 33143	Public meetings/community meetings
k.			X	Precision Design Solutions, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	1065 NE 125th St #211-B North Miami, FL	Project management/ Construction management
l.			X	G-T Construction Group, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	999 Ponce De Leon Boulevard Coral Gables, FL 33134	Construction management

## D. ORGANIZATIONAL CHART OF PROPOSED TEAM

☒ (Attached)



### Subconsultants

- 1 Caltran Engineering Group, Inc.
- 2 Keith & Associates
- 3 MG Vera and Associates
- 4 Kisinger Campo & Associates, Inc. (KCA)
- 5 Dover Kohl & Partners
- 6 Premiere Design Solutions (PDS)
- 7 G-T Construction Group, Inc.



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person)

12. NAME  <b>Alfred Lurigados, PE</b>	13. ROLE IN THIS CONTRACT <b>Project Manager; Project Management/ Construction Management; Public Meeting/ Community Meeting</b>	14. YEARS EXPERIENCE a. TOTAL <div style="text-align: center;">20</div> b. WITH CURRENT FIRM <div style="text-align: center;">1</div>	
15. FIRM NAME AND LOCATION (City and State) CH2M, Miami, FL			
16. EDUCATION (Degree and Specialization) BS, Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL (#58098)	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
Alfred has over 20 years of experience in project management and administration of Transportation Projects. He has been involved in managing all disciplines of projects from planning, PD&E, design, design-build, construction, and maintenance of transportation infrastructure for Miami-Dade Expressway Authority (MDX), Florida Department of Transportation (FDOT), Miami-Dade County, and Florida East Coast Industries.

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State) <b>MDX Project 83611, SR 836 Interchange with I-95 Improvements, Miami, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES <div style="text-align: center;">2013</div> CONSTRUCTION (If applicable) <div style="text-align: center;">Funded 2018</div>	
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <b>Director of Engineering.</b> Activities included working with FDOT to coordinate the MDX PD&E consultant, Metric Engineering, for project implementation into the FDOT I-395 overall plans concept. Duties included MDX Board reporting, stakeholder presentations, FDOT coordination, consultant management and contract management. Project length: ~3 miles of SR 836 corridor.		
	(1) TITLE AND LOCATION (City and State) <b>Comprehensive Development Master Plan (CDMP) Amendment, Ludlam Trail Redevelopment Project, Florida East Coast Industries, Miami, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES <div style="text-align: center;">2016</div> CONSTRUCTION (If applicable) <div style="text-align: center;">N/A</div>	
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <b>Project Director.</b> 6.2 mile, 70 Acre Comprehensive Development Master Plan (CDMP) Amendment for the Ludlam Trail Redevelopment project. Managing over \$1.5 million in budget and project consultants. Worked to secure State funding through multiple years of appropriation, public involvement, stakeholder coordination and led all aspects of the project, including actual events for the trail opening. Also worked on the approval and development process for the All Aboard Florida Passenger Rail Project, including some NEPA coordination and railroad crossing agreements.		
	(1) TITLE AND LOCATION (City and State) <b>MDX Project 83608 – SR 826/SR 836 Interchange Project, Miami, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES <div style="text-align: center;">2013</div> CONSTRUCTION (If applicable) <div style="text-align: center;">2016</div>	
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <b>MDX Owners Representative to FDOT District 6.</b> Activities included plans reviews, typical sections package approvals, joint participation agreement negotiations and project delivery. Worked on the MDX funding component, \$200 million, and all aspects of project delivery through FDOT. Attended bi-weekly progress meetings, perform plans reviews, and also served as the MDX owner's representative for the project. Project length: ~3 miles of SR 836 corridor.		
	(1) TITLE AND LOCATION (City and State) <b>MDX Project 20003 - PD&amp;E Study Services for the US-1 Express Lanes along the South Miami-Dade Bus Way to SR 826 (Palmetto Expressway) / Dadeland South, Miami, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES <div style="text-align: center;">2013</div> CONSTRUCTION (If applicable) <div style="text-align: center;">N/A</div>	
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <b>MDX Owners Representative.</b> Worked closely with the team in charge of performing a roadway Study for the potential implementation of managed lanes within the South Miami Dade Busway right-of-way. The congestion priced lanes as a		

by-pass to the heavily congested US-1 while increasing the level of service of bus transit and possibly generating revenue to expedite other transportation and transit improvements. Activities included close coordination with local elected officials, media, and general project management roles as it related to MDX funding and delivery. Project length: ~ 12 miles.		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Highway Division, SW 97th Avenue Design from Bird Rd to Sunset Drive, Miami-Dade County Department of Transportation and Public Works, Miami, FL	2003	2008
<div> <div>e.</div> <div> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <div> <input type="checkbox"/> Check if project performed with current firm </div> </div> </div> <div> Project Manager, Engineer of Record. Responsible for all aspects of roadway design including typical sections, pavement design, signage and pavement markings, drainage and traffic control plans. Notably on this project, major tree impacts were mitigated in the design to save large trees within the right of way by coordinating with arborists, neighbors and local elected officials. The project is in completed and built with the trees saved and in place with new safer roadway conditions including a new bike lane. Project length: ~ 2 miles. </div>		

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

12. NAME <b>Carol Barker, PE</b>	13. ROLE IN THIS CONTRACT <b>Quality Manager</b>	14. YEARS EXPERIENCE a. TOTAL 28 b. WITH CURRENT FIRM 16	
15. FIRM NAME AND LOCATION <i>(City and State)</i> CH2M, Orlando, FL			
16. EDUCATION <i>(Degree and Specialization)</i> BS, Civil Engineering; AA Arts		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Professional Engineer: FL (#53975)	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Carol has expertise in successfully leading multidisciplinary, multi-subconsultant project teams in delivering major transportation planning, design, and design-build, and RFP projects. She has a broad range of project experience on interstate expressway, and state and county road projects throughout Florida and has recent experience managing multiple and concurrent projects for FDOT Districts and Florida's Turnpike Enterprise.			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>Homestead Extension of the Florida's Turnpike (HEFT): Part A - PD&amp;E and Part B - Design-Build Request for Proposal, Phase I (30%) Roadway and 45% Drainage, Florida's Turnpike Enterprise; Miami-Dade County, FL</b>	PROFESSIONAL SERVICES  Ongoing	CONSTRUCTION (If applicable)
<b>a.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Manager.</b> Managed all aspects of this multidisciplinary, multiple-subconsultant project to widen the HEFT through a design-build delivery. Key project issues include: widening existing four-lane HEFT to six lanes (Part B) with a widening scheme to accommodate future eight-lane widening (Part A). Additional lanes are express lanes, barrier separated from the general use lanes with dedicated ingress/egress locations – robust public outreach for both Part A and Part B; modifications to HEFT/ Allapattah Road interchange to eliminate an existing stopping sight distance deficiency; drainage design to secure SFWMD permit; structure analysis to confirm cantilever loads and adequate structural capacity to widen existing bridges; maintenance of traffic; master signing and ITS plans that include special express lane messaging; constructability evaluations to ensure bridge widening can be accomplished under existing 230kV transmission lines; placement of noise walls throughout corridor; demolition of existing toll buildings; and coordination with local and governmental agencies. Part A. Project length - 11 miles; Part B. Project length - 6.8 miles.		
<b>I-75 (SR 93) at Florida's Turnpike – Wildwood Interchange (MP 309)-Design-Build Request for Proposal, Phase I (30%) Roadway Plans. Florida's Turnpike Enterprise; Sumter County, FL</b>	PROFESSIONAL SERVICES  Ongoing	CONSTRUCTION (If applicable)
<b>b.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Manager.</b> Managed all aspects of this project to improve the operational efficiency and safety of the existing interchange through a design-build delivery. Key project issues include: reconfigure the interchange to provide a dedicated right-hand exit to SB Turnpike from SR 44, separate NB I-75 exit traffic to SR 44 from NB Turnpike mainline traffic; widen I-75 from existing four-lane to six lanes; accommodation for two I-75 truck lanes (one in each direction); minimize impacts to existing springs (artesian conditions) within the interchange; improvements accommodate future widening of the Turnpike mainline to six lanes; remove and replace existing ITS system; master signing concept on I-75 and Turnpike; MOT that includes significant detour design (17 miles long); extension of existing box culverts to maintain existing flow patterns; and processing border width design variation and use of retaining walls to avoid right-of-way impacts. Approximately 3 miles of I-75 and 1.2 miles of Turnpike mainline.		

(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Seminole Expressway/SR 417 PD&amp;E Study (Orange/Seminole County Line [MP38] to Rinehart Road [MP 54]) Seminole Expressway/SR 417 Widening Design Florida's Turnpike Enterprise; Seminole County, FL</b>	(2) YEAR COMPLETED												
	PROFESSIONAL SERVICES  PD&E – 2007 Design - 2015	CONSTRUCTION (If applicable)  N/A											
c.	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Deputy Project Manager – PD&amp;E / Project Manager – Design.</b> PD&E study to widen the Seminole Expressway/SR 417 to eight lanes (MP 38 – MP 54). Study included extensive evaluation of existing design deficiencies, evaluation of options to widen to eight lanes for the ultimate condition while accommodating an interim six-lane improvement. The result of this evaluation was final development of typical/non-typical sections for the corridor and environmental clearance for reconstruction of one interchange, bridge widening, significant water quality issues at Lake Jesup, and noise abatement considerations. Project concluded with successful completion of State Environmental Impact Report (SEIR). Subsequent to completion of the PD&E study, served as Project Manager of a multidisciplinary, multiple-subconsultant project to widen existing four-lane SR 417 to six lanes between the Orange/Seminole County line to just north of SR 434 (MP 38 – MP 44.8). Key project issues include reconstruction of the bridges over Aloma Avenue; complex design/MOT to minimize horizontal stopping sight distance deficiencies on the mainline (including cross overs); fast-track FDEP permitting, with considerations for new criteria guidelines and coordination with local agencies, to ensure mutual benefit for design implementation. Project was performed under fast-track schedule to acquire necessary permits before proposed rule change. Design was terminated at 60% due to budget constraints and additional efficiency improvements at Aloma Avenue were initiated until project could be completed at a later date. PD&E. Project length -16 miles; Design. Project length = 6.8 miles.												
d.	<table border="1"> <tr> <td data-bbox="164 821 938 947" rowspan="2">           (1) TITLE AND LOCATION (<i>City and State</i>)  <b>Statewide Toll Pre-classification Project; Florida's Turnpike Enterprise</b> </td> <td colspan="2" data-bbox="943 821 1503 848">(2) YEAR COMPLETED</td> </tr> <tr> <td data-bbox="943 854 1198 947">           PROFESSIONAL SERVICES             2010         </td> <td data-bbox="1203 854 1503 947">           CONSTRUCTION (If applicable)         </td> </tr> <tr> <td colspan="3" data-bbox="164 953 1503 980">           (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm         </td> </tr> <tr> <td colspan="3" data-bbox="164 987 1503 1234"> <b>Project Manager.</b> Provided engineering design for pavement marking and flexible delineators to channelize approaching vehicles for the correct pre-classification and enhance pavement markings at the approaches of 111 toll plazas (both on-system and off-system) on the Florida's Turnpike facility, statewide. Project required extensive management plan execution to produce consistent quality results from a multi-firm team involving subconsultants from across the state. Included coordination with toll managers, field visits of each toll plaza, focus on safety, and coordination to gather consistent information from statewide project teams. MOT to accommodate a variety of existing conditions was performed at all 111 toll plazas. 111 toll plazas.         </td> </tr> </table>		(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Statewide Toll Pre-classification Project; Florida's Turnpike Enterprise</b>	(2) YEAR COMPLETED		PROFESSIONAL SERVICES  2010	CONSTRUCTION (If applicable)	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			<b>Project Manager.</b> Provided engineering design for pavement marking and flexible delineators to channelize approaching vehicles for the correct pre-classification and enhance pavement markings at the approaches of 111 toll plazas (both on-system and off-system) on the Florida's Turnpike facility, statewide. Project required extensive management plan execution to produce consistent quality results from a multi-firm team involving subconsultants from across the state. Included coordination with toll managers, field visits of each toll plaza, focus on safety, and coordination to gather consistent information from statewide project teams. MOT to accommodate a variety of existing conditions was performed at all 111 toll plazas. 111 toll plazas.		
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e.	<table border="1"> <tr> <td data-bbox="164 1241 938 1367" rowspan="2">           (1) TITLE AND LOCATION (<i>City and State</i>)  <b>Wekiva Parkway Projects 429- 203 and 429-205; Central Florida Expressway Authority; Orlando, FL</b> </td> <td colspan="2" data-bbox="943 1241 1503 1268">(2) YEAR COMPLETED</td> </tr> <tr> <td data-bbox="943 1274 1198 1367">           PROFESSIONAL SERVICES             2015         </td> <td data-bbox="1203 1274 1503 1367">           CONSTRUCTION (If applicable)         </td> </tr> <tr> <td colspan="3" data-bbox="164 1373 1503 1400">           (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm         </td> </tr> <tr> <td colspan="3" data-bbox="164 1407 1503 1757"> <b>Corridor Consultant Project Manager.</b> Responsible for the day-to-day oversight and management of the design consultants for two separate segments of the Wekiva Parkway project – Sections 429-203 and 429-205 for the Central Florida Expressway (CFX). Responsibilities included providing direction and guidance on CFX preferences and standards for the Wekiva Parkway to the design engineers—ensured that all design elements that required uniformity between sections (aesthetics, typical section, etc.) were coordinated with the designers; negotiated all staff hours and associated fees for original contract and all supplemental agreements for the Authority; represented CFX at meetings with local and state agencies for sections 429-203 and 429-205; oversaw all design section engineer meetings including a biweekly progress meetings during the duration of the contract; coordinated and managed the entire team of design reviewers, both internal and sub-consultants, reviewing section 429-203 and 420-205 on behalf of CFX; and provided continual feedback and updates to the CFX engineering and R/W staff.         </td> </tr> </table>		(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Wekiva Parkway Projects 429- 203 and 429-205; Central Florida Expressway Authority; Orlando, FL</b>	(2) YEAR COMPLETED		PROFESSIONAL SERVICES  2015	CONSTRUCTION (If applicable)	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			<b>Corridor Consultant Project Manager.</b> Responsible for the day-to-day oversight and management of the design consultants for two separate segments of the Wekiva Parkway project – Sections 429-203 and 429-205 for the Central Florida Expressway (CFX). Responsibilities included providing direction and guidance on CFX preferences and standards for the Wekiva Parkway to the design engineers—ensured that all design elements that required uniformity between sections (aesthetics, typical section, etc.) were coordinated with the designers; negotiated all staff hours and associated fees for original contract and all supplemental agreements for the Authority; represented CFX at meetings with local and state agencies for sections 429-203 and 429-205; oversaw all design section engineer meetings including a biweekly progress meetings during the duration of the contract; coordinated and managed the entire team of design reviewers, both internal and sub-consultants, reviewing section 429-203 and 420-205 on behalf of CFX; and provided continual feedback and updates to the CFX engineering and R/W staff.		
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	PROFESSIONAL SERVICES  2015	CONSTRUCTION (If applicable)											
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## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person)

12. NAME <b>Nancy Houston</b>	13. ROLE IN THIS CONTRACT <b>Planning - Multimodal</b>	14. YEARS EXPERIENCE	
		a. TOTAL 19	b. WITH CURRENT FIRM 17
15. FIRM NAME AND LOCATION (City and State) CH2M, Orlando, FL			
16. EDUCATION (Degree and Specialization) Master of City Planning; BS., Housing, Minor in Urban and Regional Planning		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) N/A	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
Nancy has more than 19 years of professional experience in local and state government, and more than 15 years of experience in the private sector working for government clients, focusing on policy and technical issues in planning and transportation. She is experienced with transportation planning including the Federal Transit Administration's (FTA's) New Starts process. Nancy is an experienced facilitator skilled in effective communication to build consensus in decision making and issue resolution.

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
a.	<b>General Planning Consultant Contract, South Florida Regional Transportation Authority (SFRTA), Pompano Beach, FL</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
		(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Manager.</b> Contract that provides planning support on a task order basis. Tasks to date have included on-call services, locomotive procurement and engineering support, mobile ticketing and preparation of a Non-Major State Action (NMSA) to support development of a new 8-mile commuter rail service extension to their existing mainline system.	
b.	<b>South Florida East Coast Transit Analysis Study Corridor Study (now Tri-Rail Coastal Link), FDOT, Southeast Florida</b>	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable)
		(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Senior Planner.</b> Led development of a Pre-Project Development Report (formerly an Alternatives Analysis [AA] under FTA requirements) for providing commuter rail service on the FEC Railway. She assisted in development of the scope of work for a NEPA consultant oversaw the start of that consultant's work on the corridor. She led development of a 2013 TIGER grant for three rail connections between the CSXT and FEC rail corridors and the \$13.75 million grant was awarded to FDOT. She assisted with the development of the Categorical Exclusions for the Federal Railroad Administration (FRA) for the rail connections to comply with the TIGER grant.	
c.	<b>SunRail Engineering and Administration Contract, Florida Department of Transportation District Five, DeLand, FL</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
		(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Manager.</b> Contract that provides administrative, planning, engineering and operations and maintenance oversight for the 31-mile SunRail commuter rail system in Central Florida. The team also provides support for planned extensions to the initial operating segment including meeting FTA requirements.	
d.	<b>Near-Term Rail Fleet Strategy, South Florida Regional Transportation Authority, Pompano Beach, FL</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
		(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Team Member.</b> Work order to assist SFRTA in analyzing its existing rail vehicle fleet against a set of scenarios for future additional commuter rail service. Research was also provided on options for procuring additional fleet vehicles such as new vehicles, rehabilitated vehicles, lease vehicles, and meeting locomotive emissions requirements.	

e.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Sustainable Transportation Systems and Sustainability as an Organizing Principle for Transportation Agencies, National Cooperative Highway Research Program (NCHRP) Project 20-83 (7), Washington, DC</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Senior Advisor.</b> Senior Advisor to the study team preparing this research study for NCHRP. She conducted numerous interviews with subject matter experts to solicit their insight into transportation and sustainability and public agency roles and responsibilities in transportation sustainability. She synthesized the interview results and wrote the report section summarizing the interview results. She also contributed to the review of the full draft report.			



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Adam Ahmad, PE, AICP	Planning – Complete Streets	11	11

15. FIRM NAME AND LOCATION (City and State)

CH2M, Naples, FL

16. EDUCATION (Degree and Specialization)

BS, Civil Engineering

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

Professional Engineer: FL (#72472); AICP (#028767)

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

Adam has comprehensive experience encompassing all phases of planning and design and production for civil/site work projects. He has been actively involved in a variety of planning, engineering, technical, analytical, statistical, graphical, public involvement and project review activities. Adam is skilled in civil engineering site and roadway design/mapping and surveying, computer information science, management, cartography, and graphic design and is proficient in the use of state-of-the-art engineering software including Microstation and GEOPAK, ICPR, Adobe Illustrator and Photoshop, MathCAD, Sketchup, Leica HDS Cyclone and ESRI ArcGIS.

## 19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Growing Connections to Create Mobility Opportunities; Immokalee, FL</b>	2016	
<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><b>a. Project Manager.</b> Project designed to grow the existing pedestrian network by providing new facilities to accommodate transit, bicyclist and pedestrians where none currently exist. Applied complete streets concepts and incorporated Collier Area Transit (CAT) routes, bus shelters, proposed sidewalks and proposed lighting features. Collected data and completed a Benefit Cost Analysis (BCA) that reflected public benefit by reducing the Vehicle Miles Traveled (VMT), reducing frequency of crashes with bikes/pedestrians, increasing community health and resiliency, and supporting community reinvestment when compared to a baseline (no-build) scenario.</p>		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Collier Community Streets and Infrastructure Project (CCSIP); Naples, FL</b>	2015	
<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><b>b. Project Manager.</b> Planning project in North Naples to provide multi-use pathways, sidewalks, walkway amenities and enhance the connection to transit facilities. Planning study to improve the infrastructure of Vanderbilt Drive. Vanderbilt Drive is a north-south collector roadway that runs parallel to the west of US 41 (SR 45, Tamiami Trail N.) between Vanderbilt Beach Road (CR 862) and Bonita Beach Road (CR 865). The project completes a local street network and connect the community. This project includes total replacement of three bridges (Bridge No. 030177, Bridge No. 030178 on Vanderbilt Drive and Bridge No. 030149 on Bluebill Avenue), roadway reconstruction, and roadway safety improvements. It includes, roadway, safety, multimodal, quality of life and environmental sustainability components. Assessed technical feasibility, financial feasibility and project schedule. Collaborated with many departments including Transportation Planning, Transportation Engineering, Road Maintenance, Parks and Recreation, Public Utilities, Construction Management, Stormwater Management and Public Transit and Neighborhood Enhancement to ensure successful completion of the project. Evaluated the long-term outcomes that included the State of Good Repair, Economic Competitiveness, Livability, Sustainability and Safety.</p>		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>LCCSI Design Build Criteria Packages; Lee County, FL</b>	2015	
<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><b>c. Design Engineer.</b> Performed field reviews and data evaluation of the planned projects listed in the Complete Streets Initiative TIGER Grant application; preparation of Conceptual Plans (horizontal layout on aerial photos) which delineated the intent of the proposed project(s), preparation of typical sections which defined project features such as sidewalks, pathways, bike lanes and shoulders; development of a Conceptual Report detailing the criteria used as the basis for the conceptual plans; preparation of a preliminary/conceptual design and construction schedule for evaluation by the Lee County MPO.</p>		

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>Long Range Transportation Plan, Seminole Tribe of Florida; Hollywood, FL</b>	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
<b>d. Design Manager.</b> Managed the 2035 Seminole Tribe of Florida Long-Range Transportation Plan (LRTP). The 20-year comprehensive study area included the boundary limits of the six Seminole Tribe reservations (primarily comprised of trust lands) within the state of Florida. A few services he managed were: An evaluation of a full range of transportation modes and connections between modes such as highway, rail, air, and water to meet transportation needs; Social and economic development planning to identify transportation improvements or needs to accommodate existing and proposed land use in a safe and economical fashion; Cultural preservation planning to identify important issues and develop a transportation plan that is sensitive to Tribal cultural preservation; Prioritized list of short and long-term transportation needs; An analysis of funding alternatives to implement plan recommendations.		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>Lee MPO Miscellaneous Planning Services; Lee County, FL</b>	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
<b>e. Design Manager.</b> Provided a variety of transportation planning and engineering services for the Lee County MPO under CH2M's Lee County MPO General Services contract. To date the following services included: 1). Miscellaneous Planning Services: Validation of Project Feasibility and Development of Project Estimates. Preparation of conceptual designs along with quantity and cost estimates for roadway and corridor improvements. 2) Grant Preparation – Various TIGER I and TIGER III grant applications		



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person)

12. NAME <b>Chad Polk, PE</b>	13. ROLE IN THIS CONTRACT <b>Planning - Safety</b>	14. YEARS EXPERIENCE	
		a. TOTAL 15	b. WITH CURRENT FIRM 6

15. FIRM NAME AND LOCATION (City and State)

CH2M, Tampa, FL

16. EDUCATION (Degree and Specialization)

BS, Civil Engineering

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

Professional Engineer: FL (#68024); MO

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

Chad brings broad experience in a variety of highway planning and design projects including preliminary and final design, crash analysis, safety improvement, pavement design, preparation of Resurfacing, Restoration, and Rehabilitation (RRR) Reports, preparation of variations/exceptions, intersection designs, geometric design, cost estimating, construction duration estimating, and preparation of specifications.

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>I-4 Beyond the Ultimate Section 2, FDOT District Five, Orlando, FL</b>	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable)
<b>a.</b>	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Engineer.</b> Involved in the part of this project that is adding express lanes to the freeway. The project includes improvements to 1 system interchange and 2 service interchanges. The interchange at I-4 and Sand Lake Road will include a Diverging Diamond Interchange. Leading the roadway design for the I-4 mainline and portions of the ramp design.		
	<b>Highway Safety Manual Freeway and Interchange Training, Missouri Department of Transportation</b>	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable)
<b>b.</b>	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Trainer/Presenter,</b> One of CH2M's principle trainers for two sets of 2-1 ½-day training sessions to 45-person groups of MoDOT and Federal Highway Administration staff. The training included material on a new chapter for the Highway Safety Manual and the use of the ISATe, a tool designed to model predictive crash analysis for freeways and interchanges. The training sessions consisted of a combination of presentations on the new HSM Chapter and instructor-led workshop exercises designed to teach participants how to use ISATe. CH2M was a team member for NCHRP 17-45: Safety Prediction Methodology and Analysis Tool for Freeways and Interchanges, which was scoped with producing ISATe.		
	<b>NCHRP 15-50, Guidelines for Integrating Safety and Cost-Effectiveness into Resurfacing, Restoration, and Rehabilitation Projects, Transportation Research Board</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
<b>c.</b>	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Co-Author/Safety.</b> One of the co-authors of this report that is scoped with developing updated guidelines for integrating safety and cost effectiveness into resurfacing, restoration, and rehabilitation projects.		
	<b>Strategic Highway Research Program 2 Implementation, AASHTO</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
<b>d.</b>	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Safety Implementation Lead.</b> The SHRP2 implementation includes working with FHWA, AASHTO, TRB, and state DOTs to take the results of over 100 completed research project and implement the findings and tools from the research in standard practice at state DOTs and other users to support accelerated planning and project development, travel time reliability and safety. The CH2M team leads a group of industry experts to deliver this program. Chad's role includes coordination of logistics and schedule for key safety stakeholders involved in the program.		

(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Crash Modification Factor (CMF) Development, MoDOT, St. Louis, MO</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable)
e. (3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE <div style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</div> <p><b>Project Manager.</b> Project scope included developing a CMF for the combined treatment of 2-foot shoulder, rumble stripe, and resurfacing on rural two-lane highways in Missouri. Project deliverables included CMFs for various severity levels for both the total crashes and run-off roadway crashes as well as a technical memorandum documenting the process and the results.</p>		

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

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
<b>Ken Wooten, PE</b>	<b>Roadway Design</b>	19	16

15. FIRM NAME AND LOCATION *(City and State)*

CH2M, Tampa, FL

16. EDUCATION *(Degree and Specialization)*

MBA, Business Administration; BS, Environmental Engineering

17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*

Professional Engineer: FL (#58817)

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

Ken's experience includes PD&E studies, roadway design, drainage engineering, quality control reviews, and other facets of transportation infrastructure development. He has managed roadway and intersection design projects, including milling and resurfacing, throughout Florida for FDOT and other clients. Ken specializes in roadway design, including urban improvements, and has expertise with FDOT plans production requirements, including quantities, specifications, and electronic delivery.

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	<b>Cass Street and Tyler Street Two-Way Conversion; City of Tampa; Hillsborough County, FL</b>	2015	
a.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Manager.</b> Conversion of the existing one-way pair streets of East Cass Street (existing 3 lanes in the eastbound direction) and East Tyler Street (existing 3 lanes in the westbound direction) into two-way streets. The improvements consist of milling and resurfacing within the project limits, adding a barrier separated two-way cycle track on the south side of the roadway, pavement markings, signing, and replacing the traffic signals. There are a total of thirteen (13) signalized intersections which need to be modified to accommodate the proposed roadway modifications, which will require replacing and adding new mast arms to be in compliance with new design standards.		
	<b>Seminole Expressway/SR 417 PD&amp;E Study and Design; Florida's Turnpike Enterprise; Seminole County, FL</b>	2010	
b.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Engineer.</b> Eight-lane PD&E study. Responsibilities included development of widening concepts and development of alternatives for improvements to the Aloma Avenue interchange. Project issues included Lake Jesup water quality, public involvement with the Friends of Lake Jesup, previous permit coordination, and interchange improvements at Aloma Avenue. The SEIR was approved in July 2007. A design option for this project was exercised by the client based on successful performance, which was completed in early 2010.		
	<b>Homestead Toll Plaza Express Lanes Design; Florida's Turnpike Enterprise; Miami-Dade County, FL</b>	Ongoing	
c.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Manager.</b> Project manager and engineer of record for the reconstruction the existing toll plaza, construction of a new administration building and parking lot, and roadway improvements to the toll facility. Two additional mainline travel lanes (one in each direction) are required within the vicinity of the toll plaza to accommodate adequate traffic operations and are proposed to be added to the inside of the existing travel lanes. The scope of services for the 2.1-mile project includes drainage design, utility coordination, permitting, structures design, toll facility design, signing and pavement markings, lighting, landscape architecture, surveying and mapping, geotechnical, and architecture.		
	<b>Wekiva Parkway Corridor Consultant; Central Florida Expressway Authority (CFX) and FDOT District Five; Orange, Lake, and Seminole Counties, FL</b>	Ongoing	
d.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Roadway/MOT.</b> Responsible for technical reviews of roadway and MOT plans on this contract for both the Central Florida		

Expressway Authority (CFX) and FDOT for the design of a new 26-mile section. The CH2M team's services on this contract include successfully managing six design teams in the delivery of five roadway and three toll facility projects with a constructed value of \$550 million, as well as providing comprehensive reviews of all necessary design submittals for CFX.

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>Oil Well Road, Collier County Transportation Department, Collier County, FL</b>	PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable)
<div>e.</div> <div>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</div>		
<b>Roadway Design Engineer.</b> Responsible for design of 11.1 miles of Oil Well Road from Immokalee Road to east of Camp Keais Road in eastern Collier County. The project scope included widening a two-lane rural section to a four lane and six lane urban section. Responsibilities included horizontal and vertical alignment, leading the preparation of the design plan, and assisting the project manager with coordinating the design plans preparation with internal staff and subconsultants.		

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

12. NAME <b>Bill Gramer, PE, AICP</b>	13. ROLE IN THIS CONTRACT <b>Roadway Design; Complete Streets</b>	14. YEARS EXPERIENCE a. TOTAL 30 b. WITH CURRENT FIRM 28	
15. FIRM NAME AND LOCATION (City and State) CH2M, Naples, FL			
16. EDUCATION (Degree and Specialization) BS, Civil Engineering	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL (#59090), CA; American Institute of Certified Planners (AICP)		

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

Bill has extensive experience in a wide variety of transportation and site/civil projects, including planning, traffic, roadway, drainage, utility, GIS, environmental, transit, minor "local" roadways, major urban arterials, state route, and interstate highways. He has recently served as Project Manager for Complete Streets Project(s), Concept(s) Grant(s), and Design-Build Criteria Packages for South Florida clients.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION (City and State) <b>Collier Community Streets and Infrastructure Project (CCSIP); Naples, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 CONSTRUCTION (If applicable)	
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Task Manager.</b> This "grant" project was conceptually designed to provide multi-use pathways, sidewalks, walkway amenities and enhance the connection to transit facilities. The intent was to improve the infrastructure of Vanderbilt Drive between Vanderbilt Beach Road (CR 862) and Bonita Beach Road (CR 865). The project would complete a local street network and connect the community. Concepts, exhibits and cost estimates were prepared for the associated roadway and utility improvement projects.		
(1) TITLE AND LOCATION (City and State) <b>Old US 41 Redevelopment Complete Streets Concepts; City of Bonita Springs, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014 CONSTRUCTION (If applicable)	
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Manager.</b> This project provided conceptual roadway and storm water designs for Old US 41 from Bonita Beach Road to W. Terry Street. The intent was to evaluate alternatives for roadway, bike lanes, pathways, sidewalks, access management and storm water improvements. The concepts included roundabout designs at Pennsylvania Ave and W. Terry Street.		
(1) TITLE AND LOCATION (City and State) <b>Tree Farm Road Phase II (Davila St. to Woodcrest Dr.) Design; Collier County, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2016 CONSTRUCTION (If applicable)	
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Manager.</b> Managed the design for the half-mile segment of Tree Farm Road. This 2-Lane roadway section links four (4) roadways with a new roundabout. The project consists of a new 2-lane new roadway with sidewalks, pathways, bike lanes and a new roundabout. The project included water main and force main design and permitting. The project utilized three (3) adjacent development ponds for stormwater treatment and attenuation. (Permits: SFWMD, ACOE FDEP)		
(1) TITLE AND LOCATION (City and State) <b>Lee County Complete Streets Design Build Criteria Packages; Lee County, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 CONSTRUCTION (If applicable)	
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Manager.</b> Responsible for managing the Conceptual Design efforts for the 11 planned projects listed in the Complete Streets Initiative TIGER Grant application. Project included preparation of Conceptual Plans and typical sections which defined project features such as sidewalks, pathways, bike lanes and shoulders; preparation of quantities and project estimates, preparation of a preliminary/conceptual design and construction schedule for evaluation by the Lee County MPO.		

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
Collier Boulevard (US 41 to Davis Boulevard) Design; Collier County, FL	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable)
<b>e.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Manager;</b> Managed this design project which involved roadway capacity improvements to a 7-mile segment from US 41 to Davis Boulevard. CH2M HILL provided design plans and specifications for widening the existing four-lane roadway to a six-lane facility, including four major intersections. (Permits: SFWMD, ACOE FDEP).		

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

12. NAME  <b>Jeffrey Gropper, PE</b>	13. ROLE IN THIS CONTRACT  <b>Roadway Design; Project Mgmt., Construction Mgmt.</b>	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. TOTAL</td> <td>b. WITH CURRENT FIRM</td> </tr> <tr> <td>5</td> <td>&lt;1</td> </tr> </table>		a. TOTAL	b. WITH CURRENT FIRM	5	<1
a. TOTAL	b. WITH CURRENT FIRM						
5	<1						
15. FIRM NAME AND LOCATION <i>(City and State)</i> CH2M, Miami, FL							
16. EDUCATION <i>(Degree and Specialization)</i> MS, Civil Engineering; BS, Civil Engineering; BS, Business Administration		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Professional Engineer: FL (#80505)					
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Jeff is a civil engineer who has been involved in design, utility coordination, field inspection, and project administration work for various projects including Florida Department of Transportation (FDOT), City of Miami Capital Improvements & Transportation Program (CITP), City of Hialeah Streets Division, Miami-Dade County, and South Florida Water Management District (SFWMD). He has also participated in construction projects, design projects, planning studies, and PD&E studies.							

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i> <b>Miscellaneous Projects for City of Miami CITP, Miami, FL</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <b>a. Design Engineer and Utility Coordinator.</b> Performed various tasks for roadway projects for City of Miami CITP. He performed design services which included signing and pavement markings and maintenance of traffic (MOT). Mr. Gropper also performed field inspection services and proposed improvements for sidewalks to ensure pedestrian safety. He also performed utility coordination, contacting UAO's for utility information, inputting existing utilities into roadway plans, and developing utility resolution matrixes for resolving utility conflicts.		
(1) TITLE AND LOCATION <i>(City and State)</i> <b>C-4 Canal Sweetwater Phase and Palmetto Phase I, SFWMD</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <b>b. Construction Engineering Inspector / Project Administrator.</b> Performed construction engineering inspection (CEI) and project administration / management work for two water resources / drainage improvement projects in residential areas along S.W. 8th Street in the Sweetwater / FIU area. These projects involved construction of new earthen berms, with elevation 0.3 ft. higher than previous ground, and the installation of drainage structures (headwall / HDPE drainage pipe / inlet combinations). Mr. Gropper supervised the contractor (Enco LLC) to ensure compliance with the construction plans and completed necessary project documentation such as daily reports, reviews of contractor submittals, coordination of geotechnical testing, and generation of progress meeting minutes. Flooding had previously happened in these areas back in 1999 (Hurricane Irene) and 2000 ("No Name Storm"), and these projects were geared towards the prevention of flooding in the future.		
(1) TITLE AND LOCATION <i>(City and State)</i> <b>Signing and Pavement Marking, FDOT District 7, Hernando County, FL</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <b>c. Design Engineer.</b> Developed signing and pavement markings plans for 11 rural roadway curve segments in Hernando County (just north of Tampa). The project involved additional marking and signage in these segments, geared towards enhancing roadway safety and reducing/eliminating car crashes, especially for the nighttime due to little to non-existent roadway lighting (such lighting conditions being commonplace in rural areas).		

(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>I-75 / SR-826 Managed Lanes between SR-836 and N.W. 170th Street, FDOT District 6</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
<b>d. Utility Coordinator.</b> Performed utility coordination for this project, obtaining utility information from about 20 UAO's and inputting them into preliminary roadway plans. Mr. Gropper was part of utility conflict resolution meetings between Corradino, prime consultant URS Corporation (prior to its acquisition by AECOM), FDOT District 6, and the UAO's. He was part of a team that helped resolve utility conflicts such as the relocation of a gas main belonging to Florida Gas Transmission and the relocation of a water main belonging to the City of Hialeah Water & Sewer Department.		
(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>All-Aboard Florida (AAF, now known as Brightline) Segment 8, St. Lucie / Indian River County Line to central Brevard County, FL</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
<b>e. Utility Coordinator.</b> Performed utility coordination for a 70-mile stretch of proposed railroad track improvements, spanning from the St. Lucie / Indian River county line to central Brevard County. The project involved obtaining utility information from over 30 utility agencies / owners (UAO's) identifying existing utilities at railroad crossings in the project limits. Mr. Gropper contacted the utility owners, obtained their utility information, and developed a thorough utility conflict matrix showing every potential utility conflict in the project limits (quantity of conflicts being in the hundreds) and being forwarded to the prime consultant TranSystems.		



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

12. NAME <b>Deborah Hernández-Cedeño, PE</b>	13. ROLE IN THIS CONTRACT <b>Roadway Design</b>	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. TOTAL 12</td> <td>b. WITH CURRENT FIRM 4</td> </tr> </table>		a. TOTAL 12	b. WITH CURRENT FIRM 4
a. TOTAL 12	b. WITH CURRENT FIRM 4				
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kisinger Campo & Associates, Corp., Tampa, Florida					
16. EDUCATION <i>(Degree and Specialization)</i> M.E., Transportation; M.S., Engineering Management; BSCE, Polytechnic University of Puerto Rico		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Professional Engineer in Florida #74754; in North Carolina #043695			

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

Ms. Hernandez has 12 years of experience in transportation project management and design. She has extensive experience as a roadway designer, including design and coordination of projects for state clients and local governments. Her project management experience includes interstate, state and local roads. Design experience includes all geometric aspects of interstate highways, highway widening, intersections, as well as stormwater, erosion control, TTC, S&PM, and cost estimating.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i> <b>SR 54 from East of Lake Crystal Boulevard to West of Flint Street, FDOT District Seven, Pasco County, FL</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
<b>a. Roadway EOR</b> responsible for roadway design and design decisions, preparation of project design reports, field visits to clarify design issues, and preparation of construction plans for delivery. This project consisted of improving the existing pavement condition by milling and resurfacing 2.6 miles along SR 54 from Lake Crystal Boulevard to west of Flint Rd. The proposed improvement also included construction of bus landing pads for shelters, bike lanes, S&PM, and replacing the signal and signal loops at Dean Dairy Road/Coats Road. Drainage improvements included desilting pipes, adding pipes and inlets due to the construction of bus shelters, and excavating ditches to provide an equivalent ditch volume. This project included SUE work with extensive utility coordination. <b>Cost:</b> \$2.1 million		
(1) TITLE AND LOCATION <i>(City and State)</i> <b>SR A1A Heckscher Drive (Timucuan Trail) Segment 2, FDOT District Two, Duval County, FL</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) 2018 (est.)
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
<b>b. Roadway Design Engineer.</b> This project consists of the design of segment two of the Timucuan Trail in Duval County. The trail typical section is a 10-foot-wide raised boardwalk within the Huguenot Memorial Park and the remainder of the project will provide a 12-foot-wide trail adjacent to the east side of SR A1A. The project also includes retaining wall design south of the Ft. George Inlet Bridge. The total length of the project is 1.8 miles. <b>Cost:</b> \$831,882		
(1) TITLE AND LOCATION <i>(City and State)</i> <b>SR 60 (Courtney Campbell Causeway) Multi-Use Path, FDOT District Seven, Hillsborough and Pinellas Counties, FL</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) 2015
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
<b>c. Roadway Design Engineer.</b> This project involved construction of a multi-use path along the south side of SR 60 (Courtney Campbell Causeway) from Bayshore Boulevard in Pinellas County to west of the Ben T. Davis Beach entrance in Hillsborough County. The proposed multi-use path serves as a link in a regional network of trail systems serving the Tampa Bay region. Included were shoreline protection enhancements, repairs to the existing seawall, and minor drainage improvements. This was a "goes with" project that included KCA's design of milling and resurfacing SR 60 from Damascus Road to the Pinellas/Hillsborough County line, and the adjacent trail design. This contract required special coordination to ensure seamless integration between three design projects. <b>Cost:</b> \$324,000		

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
SR 40 from east of CR 314 to east of CR 314A, FDOT District Five, Marion County, FL	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	2016	N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
<p>d. <b>Roadway Design Engineer.</b> This 6-mile-long capacity project will reconstruct this two-lane roadway to a four-lane divided highway and a 12-foot shared-use path through the Ocala National Forest. The project includes 13 wildlife crossings including two pairs of 50-foot bridges, three pairs of 400-foot bridges, an 8-foot by 8-foot box culvert, and seven 48-inch by 76-inch elliptical pipes. There are six drainage basins including three direct runoff basins where vegetated natural buffers (VNB) will be used and runoff will be permitted to flow into the forest with minimal treatment. A Pond Siting Report was completed for eight stormwater ponds and two floodplain compensation sites. <b>Cost:</b> \$59 million (estimated)</p>		

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

12. NAME <b>Rafael Garcia-Toledo, CGC</b>	13. ROLE IN THIS CONTRACT <b>Construction Management Support</b>	14. YEARS EXPERIENCE	
		a. TOTAL 20	b. WITH CURRENT FIRM 20
15. FIRM NAME AND LOCATION <i>(City and State)</i> G-T Construction Group Inc.			
16. EDUCATION <i>(Degree and Specialization)</i> A.A. Miami-Dade Community College		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Florida Certified General Contractor (CGC #051905)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Miami International Airport North Terminal Project Miami, Florida</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) 2012
a.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Rafael worked as part of a Construction Management Team for this \$2.4 billion project. G-T supervised various contracts on-site, had a work force of 48 staff members on site that handled numerous tasks, including but not limited to day to day operations and supervising subcontractors at all levels, providing administrative construction management support and administrative permitting support.		
	(1) TITLE AND LOCATION <i>(City and State)</i> <b>MIA MOVER Phase , Miami, Florida</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) 2009
b.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Rafael worked as part of the Construction Management Team for this \$260 million project. G-T supervises various contracts on-site, has a work force of 15 on the job that handles numerous tasks, providing administrative construction management support and administrative permitting support.		
	(1) TITLE AND LOCATION <i>(City and State)</i> <b>South Terminal Project Miami International Airport Miami, Florida</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) 2004
c.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm G-T was a sub-contractor who provided administrative construction management support and administrative permitting support.		
	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Miami Performing Arts Center, Miami, Florida</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) 2010
d.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The \$345 million Miami Performing Arts Center is one of the world's premier arts centers. G-T was part of the Construction Management Team led by other firms. G-T supervised various contracts on-site and provided a workforce of 22 to perform numerous tasks on site such as program controls and other administrative construction management support.		
	(1) TITLE AND LOCATION <i>(City and State)</i> <b>American Airlines Arena, Miami, Florida</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) 1999
e.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This \$168 million, state-of-the-art, multiuse facility was built for both basketball (Miami Heat) and ice hockey. This was a private sector job that abided by Miami-Dade County regulations. G-T acted as a subcontractor to the General Contractor and provided project scheduling and cost estimating support for the suites and lower bowl seating.		



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

12. NAME <b>Rolando Pereiras</b>	13. ROLE IN THIS CONTRACT <b>Project Management/ Construction Management</b>	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. TOTAL 8</td> <td>b. WITH CURRENT FIRM &lt;1</td> </tr> </table>		a. TOTAL 8	b. WITH CURRENT FIRM <1
a. TOTAL 8	b. WITH CURRENT FIRM <1				
15. FIRM NAME AND LOCATION (City and State) CH2M, Miami, FL					
16. EDUCATION (Degree and Specialization) MS, Marine Civil Engineering; Diploma, Terminal Management		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) N/A			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Rolando's expertise extends to areas of planning and design, environmental permitting and public outreach; management of design contracts for marine structures, traffic estimation and planning of roads and intersections; industrial pavement design and creation of 3D visualizations.					

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Program Management, Port Miami, FL</b>  a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <b>Project Engineer.</b> Assisted senior staff with the preparation of the Design Criteria documentation for the RDBS for Cruise Terminal F and with the technical aspects related to the Design-Build contract for this terminal development, provided information about handling Notice of Potential Claims, Potential Change Orders, Owner Directed Changes, and other contract related aspects. Port Miami is planning more than \$250 million dollars of investments over 7 years on new infrastructure and facilities including new cruise terminals; new cruise berthing facilities; upgrade and expansion of existing cruise terminals; and other significant investments in cargo terminal yards, gantry cranes, gate complexes, RoPax facilities, roadway, and rail systems.	2017	
b. (1) TITLE AND LOCATION (City and State) <b>Golden Glades Multimodal Transportation Facility, FDOT District 6, Miami, FL</b>  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <b>Project Engineer.</b> Assisted in the development of a Design-Build RFP – that included a complete reconstruction of the Park & Ride area and the construction of a break lounge building, multistore parking garage, intercity bus building, and new exit/entry roads – through coordinating and reviewing input from different disciplines, and preparing relevant Design and Construction Criteria documentation sections; developing preliminary options for the site layout, construction phasing, maintenance of traffic, traffic signage; and describing some of the technical approaches to be used in development.	2017	
c. (1) TITLE AND LOCATION (City and State) <b>MDT - SR 836 Express Bus Service - Park &amp; Ride/Bus Terminal, Miami, FL</b>  (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <b>Project Engineer.</b> The project consisted of managing the development of three components of the express bus service: (1) Tamiami Station – Park & Ride/Bus Terminal; (2) Panther Station – Bus Terminal; and (3) Roadway Improvements. Prepared the initial drafts of the Project Verification Book, including the sections: Project Scope; Design Agency Coordination; Design Criteria; Construction Budget; and Phasing and Schedule. Defined, based on available information, the categorical exclusions that apply to the three components, including the steps to comply with the "Social Impacts and Community Disruption." Optimized the site layouts based on simulations of the traffic flow and to comply with the respective codes. Prepared a 3D Architectural Model of Panther Station and assisted in the preparation of the Quality Assurance Plan.	2017	

	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Freight Truck Parking Analysis, Florida Department of Transportation (FDOT), District 4</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable)
d.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <b>Project Engineer.</b> Assisted FDOT in the development of an analytical report describing the current state of the truck parking infrastructure, as Phase I of a plan that would improve the parking infrastructure of the district. The report included an evaluation of the existing demand and supply, regulations and policies, and services and technologies of the industry.		
	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Inland Port Grant, Port Miami, FL</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable)
e.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <b>Project Engineer.</b> Port Miami requested the preparation of documentation for a grant which would create an inland port located on top of a MSW landfill located at NW 58th Street, Miami, FL. The facility design included a container yard to handle mainly empty containers, a rail yard, a truck parking area for FDOT, and a recycling and cargo processing area. Coordinated the exchange of data and prepared an internal report with project description, planning assumptions, and preliminary calculations in terms of site conditions, pile foundations, drainage, cut-and-fill analysis and the derived development options, empty and loaded container operations, surface loads, pavement selection, and truck parking area. Performed all preliminary calculations to support the selected initial design values.		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME <b>Gustavo A. Eckardt, PE</b>	13. ROLE IN THIS CONTRACT <b>Project Management; Construction Management</b>	14. YEARS EXPERIENCE	
		a. TOTAL  15	b. WITH CURRENT FIRM  6

15. FIRM NAME AND LOCATION (City and State)

**Premiere Design Solutions, Inc. – North Miami, FL**

16. EDUCATION (DEGREE AND SPECIALIZATION)

**B.S. Civil Engineering**

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

**Professional Engineer: Florida No .67553**

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

**Florida Engineering Society, Chi Epsilon Civil Engineering Honor Society, National Society of Professional Engineers, Primavera P3 Scheduling Training, MOT Training Course**

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	<b>ADA Compliant Bus Stop Improvement, Town of Miami Lakes, Miami Lakes, FL</b>	2013	2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;">[ X ] Check if project performed with current firm</span> Mr. Eckardt was the project manager and engineer of record for this project which included field data collection, topographic survey, scope determination and the generation of demolition, new construction, and maintenance of traffic plans. Project provided the client with the design for ADA and pedestrian facilities improvements to 11 bus stops locations, new bus shelters, concrete pads, sidewalks and amenities. Project included the design of curb ramps, concrete sidewalks, pedestrian crosswalk with solar rectangular rapid flashing beacon (RRFB), coordination with Town, Miami-Dade Transit, conduct underground utility investigations and permitting assistance.		
b.	<b>Miami-Dade Transit Department, ARRA Municipalities Shelters Groups "A &amp; C", Miami-Dade County, FL</b>	2012	2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;">[ X ] Check if project performed with current firm</span> Project consisted of two transit improvement projects at over 70 locations throughout Miami-Dade County, in the Cities of Homestead, Florida City, North Miami, North Miami Beach, Miami Lakes, Surfside, Bay Harbor Islands, Aventura, South Miami, Opa-Locka, and El Portal. Project was Federally Funded and coordinated by the Miami-Dade Transit Department, and follows all ARRA and Federal guidelines and regulations. Mr. Eckardt was the Construction Manager and Quality Control representative in the project, and assisted in obtaining all permitting approvals from municipalities and county agencies. Project included the ADA accessibility and pedestrian safety improvements to bus stop locations, new bus shelters and amenities, new sidewalk and reinforced concrete pads.		
c.	<b>MDT A/E Professional Consultant Services for Federally Funded Projects, Miami-Dade County Transit, FL</b>	2013	2015
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;">[ X ] Check if project performed with current firm</span> Mr. Eckardt is the Consultant Project Manager in this multi-year contract for Continuous Professional Services for Federally Funded Projects, to develop transit facilities funded through the Federal Transit Administration (FTA). The scope of work includes but is not limited to: technical and operation planning, transit studies, environmental impact statements, permitting, surveying, fire/life/safety consulting, cost estimating, structural, geotechnical, industrial, electrical, MEP, architecture, transit and transportation planning in accordance with FTA requirements, design criteria, support negotiation of full funding grant agreements, plan & specification reviews, design of new transit facilities, construction engineering and inspections, value engineering, project cost estimates and traffic studies.		
d.	<b>ADA Bus Stop Access Construction Management, Miami-Dade, FL</b>	2011	2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;">[ X ] Check if project performed with current firm</span> Mr. Eckardt was the Contractor's Construction Manager for two construction projects to provide ADA and safe pedestrian access to 79 bus stop locations throughout Miami-Dade County, including a solar lighted pedestrian crossing. These federally funded projects, provided ADA improvements to routes accessing bus stop locations, and included concrete sidewalks, curb ramps, curb and gutter. Mr. Eckardt coordinated between contractor and MDPW, permitting assistance, and the generated daily activity reports, federal forms & pay application submittals.		

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	MDT Park-and-Ride at SW 344 Street Special Inspections, Miami-Dade Transit, FL	2016	2016
e.	<div> <div>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE</div> <div> <div> <div>Mr. Eckardt is responsible for this task to provide special inspections for reinforced concrete and structural elements for the City of Florida City during the construction of this MDT - 266 space parking lot with pedestrian facilities, concrete sidewalks, curb ramps, concrete pavement, bus bays and shelters, located west of the southern end of the Busway between NW 2nd Avenue and NW 3rd Avenue at 344th Street.</div> <div></div> </div> <div> <div>[ X ] Check if project performed with current firm</div> <div></div> </div> </div> </div>		



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
<b>Victor Dover</b>	<b>Public Meetings/ Community Meetings</b>	29	29

15. FIRM NAME AND LOCATION (City and State)

The Image Network, Inc. d/b/a Dover, Kohl & Partners – Coral Gables, FL

16. EDUCATION (Degree and Specialization)

University of Miami, Coral Gables, FL– Master of Architecture  
Virginia Polytechnic Institute, Bachelor of Architecture

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

Certified Fellow by the American Institute of Certified Planners  
LEED-AP

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

Charter Member, Congress for the New Urbanism (CNU), 1993-present. Board Member, 2007-2012. Board Chair, 2010-2012.  
Core Committee, LEED for Neighborhood Development (LEED-ND) 2006-2009  
Director, National Charrette Institute, 2001-present  
Chair, Florida Chapter, Congress for the New Urbanism (CNU), 2004-2006. Member, 2004-present  
Director & Co-Founder, Form-Based Codes Institute, 2004-present  
President, Rotary Club of South Miami, 1996-97. Director, 1994-1999, 2002-2005.  
Member, American Planning Association, 1993-present

## 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>Plan Downtown Oakland – Oakland, California</b>	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) N/A
<b>a.</b>	<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><b>Principal in Charge:</b> Plan Downtown Oakland is the interactive planning process to create the first Downtown Specific Plan for the City. Key ideas expressed by the community throughout the process include: affordability, bike infrastructure, equity, development without displacement, arts and culture, environmental sustainability, economic development and an improved public realm. Working closely with Toole Design Group, the design team created street sections, plans and renderings of the bike network in Downtown Oakland.</p>		
	<b>North Beach Master Plan – Miami Beach, Florida</b>	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) N/A
<b>b.</b>	<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><b>Principal in Charge:</b> Dover-Kohl led a multi-disciplinary team to create a Master Plan for the North each District of Miami Beach and recommend an economic and revitalization strategy. Plan NoBe and its guideline serve as a tool to evaluate new development proposals, direct capital improvements, and to guide public policy in a manner that ensures North Beach continues to be the community that its residents want it be.</p>		
	<b>Rethink Folly Road: A Complete Streets Study – Charleston, South Carolina</b>	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable)
<b>c.</b>	<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><b>Principal in Charge:</b> Rethink Folly Road is an initiative to explore the potential to remake the auto-oriented corridor into a more sustainable, multimodal corridor. The plan addresses traffic congestion, connectivity, pedestrian- and bicycle-friendliness, transit, green infrastructure, economic development, and the retrofit of the existing suburban fabric. Recommendations detail a strategy for improvements, recognizing the dual functions of moving vehicles and the design to create a safe, walkable environment that will lead to increases in economic competitiveness, neighborhood livability, and sustainability in the Charleston region.</p>		

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>The Columbia Pike Neighborhoods Plan – Arlington County, VA</b>	PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
<b>d. Principal in Charge:</b> The Columbia Pike Neighborhoods Plan will complete the final phase of Arlington County's Columbia Pike Initiative. This plan identifies policies and initiatives that can be put in place to guide future growth and investment in the residential areas of the Columbia Pike corridor according to the community's goals and vision. Implementation tools proposed include a Form-Based Code to guide new development, and a TDR strategy designed to attain historic preservation and affordable housing goals.		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>Park Avenue Master Plan – Winter Park, FL</b>	PROFESSIONAL SERVICES 1998	CONSTRUCTION (If applicable) 1998
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
<b>e. Principal in Charge:</b> In 1997, under the leadership of Planning Director Don Martin, initiated design improvements and an implementation strategy for the aging ¾-mile long main street. Sidewalks were widened for retailing and outdoor dining, vehicular travel lanes were narrowed, and a prescription was provided for the design of the main street buildings and civic buildings based on enduring principles of traditional civic art. Improvements to Park Avenue have been completed. In 2002, Rollins College constructed a grand main entrance to their campus, located at the terminus of Park Avenue.		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person)

12. NAME <b>Cris Schooley, PE</b>	13. ROLE IN THIS CONTRACT <b>Complete Streets</b>	14. YEARS EXPERIENCE	
		a. TOTAL 10	b. WITH CURRENT FIRM 1.5
15. FIRM NAME AND LOCATION (City and State) CH2M, Orlando, FL			
16. EDUCATION (Degree and Specialization) MS, Transport and City Planning; BS, Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL (#74018)	

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

Chris is a Complete Streets expert and applies that knowledge and approach to every project he touches. Complete Streets requires starting not with the design vehicle, but from the point of view of a person using the roadway. People will do many things along a street; walk, bike, shop, wait for transit, in addition to driving a vehicle. Chris bring experience in engineering and plans preparation gained from his decade of FDOT projects.

## 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>West Busch Boulevard (SR 580) Complete Streets Study; FDOT District Seven; Hillsborough County, FL</b>	PROFESSIONAL SERVICES 2018 (est.)	CONSTRUCTION (If applicable)
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Transportation Engineer.</b> Responsible for supporting the engineering and public involvement tasks for context classification, typical section alternatives, and public meeting displays on this Complete Streets/Corridor study that is evaluating a 3-mile heavily traveled arterial roadway from North Dale Mabry Highway to Nebraska Avenue. The project involves a visioning workshop, local agency coordination, and multiple public meetings.		
	<b>Seminole 2040 Transportation Master Plan; Seminole County, FL</b>	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable)
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Transportation Engineer.</b> Responsible for analyzing existing conditions of roadway, bicycle facilities, pedestrian facilities, and safety county wide. Cris developed Bicycle and Pedestrian Quality Level of Service (QLOS) metrics that considers traffic volume, traffic speed, roadway classification, context classification, and infrastructure to evaluate the comfort level of people cycling and walking. This was used to assign an A through F grade to segments, identifying bike/ped improvement projects, and plan for a low stress active transportation network.		
	<b>Titusville to Edgewater Trail PD&amp;E Study; FDOT District Five; Brevard and Volusia Counties, FL</b>	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable)
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <b>Project Engineer.</b> Responsible for supporting the engineering and public involvement elements of this PD&E study that evaluated a 20-mile trail connection from the East Central Regional Rail Trail termini in Titusville, Brevard County, and in Edgewater, Volusia County. Prepared concepts, alignments, cost estimates, meeting materials, display boards, attended public meetings, and discussed the project with the public. The study included extensive stakeholder coordination among the FDOT, Space Coast MPO, River 2 Sea TPO, City of Titusville, City of Oak Hill, City of Edgewater, US Fish & Wildlife Service, National Park Service, and NASA.		
	<b>US 27 Multi-Modal Corridor Feasibility Study; South FL</b>	PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable)
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <b>Project Engineer.</b> Responsible for supporting the engineering tasks with typical section, alignment, quantities, and cost estimating for this study that evaluated the feasibility of railroad improvements along US 27 from Miami to a proposed inland port near Lake Okeechobee.		

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
Traffic and Safety Continuing Services; Lake County, FL	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	2014	
<b>e.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
<b>Project Engineer.</b> Responsible for supporting the engineering and public involvement efforts on this task work order based contract with Lake County. Tasks included stop sign warrant analysis, speed studies, signal warrant, signal design, roundabout evaluation.		

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

12. NAME <b>Tom Ross, PE</b>	13. ROLE IN THIS CONTRACT <b>Traffic Data/Analysis</b>	14. YEARS EXPERIENCE a. TOTAL 24 b. WITH CURRENT FIRM 13	
15. FIRM NAME AND LOCATION <i>(City and State)</i> CH2M, Orlando, FL			
16. EDUCATION <i>(Degree and Specialization)</i> BSCE, Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Professional Engineer: FL (#48205), TX, GA	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Tom has expertise in transportation planning, traffic operations, and design for roadway projects throughout Florida. Project experience includes providing planning, design, and quality reviews for roadway signing and pavement marking, signals, ITS, and lighting projects. Skilled in designing clear and concise traffic plans and creative solutions that improve circulation and minimize conflict.			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>Homestead Extension of Florida's Turnpike (HEFT) Ramp Intersection at NW 12th Street Modifications; Florida's Turnpike Enterprise; Miami-Dade County, FL</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
<b>a.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Traffic/Signing and Pavement Marking/Signalization/ITS/Lighting QA/QC.</b> Provided QA/QC for the traffic analysis, signing and pavement marking, signalization, ITS, and lighting elements for this project that included the design of an additional right-turn lane on the southbound off-ramp at the HEFT/12th Street Interchange, upgrade of the existing signalized intersection at NW 12th Street including ADA compliance for pedestrian features, and lighting analysis to accommodate proposed changes,		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>Wekiva Parkway/SR 46 Realignment PD&amp;E Study; Central Florida Expressway Authority (CFX); Orange, Lake, and Seminole Counties, FL</b>	PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable)
<b>b.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Corridor Transportation Planner/Traffic Engineer.</b> Project involves a corridor analysis of a 26-mile limited-access toll facility (four lanes, expandable to six lanes) on new alignment that will complete the Western Beltway around the metropolitan Orlando area. Responsibilities include corridor-wide concept design input based on traffic operations and coordinating production of an Interchange Modification Report (IMR) for modified I-4/Wekiva Parkway system-system interchange		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>I-295 Express Lanes; FDOT District Two; Duval County, FL</b>	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable)
<b>c.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Traffic Design Task Manager.</b> Final design for adding Express Lanes along I-295 from the Buckman Bridge to the I-95 south Interchange for a project length of 5 miles. Both eight-lane and 10-lane sections were developed and the project was advertised as design-build. Responsible for development of a Master Concept Signing Plan, ITS concept of operations, system engineering management plan, and ITS integration plans for ITS improvements, which extend 10 miles. Also responsible for oversight of the preparation of construction plans and specifications for traffic control system, dynamic message sign system, CCTV system, vehicle detection system, and fiber optic communications system for communication with the traffic management center. Included the utilization of traffic engineering software, freeway control software, and a computerized timing program.		

(1) TITLE AND LOCATION <i>(City and State)</i> <b>Oil Well Road; Collier County Transportation Department; Collier County, FL</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
<b>d. Traffic Design Engineer.</b> Responsible for traffic signal design, ITS design, and signing and pavement marking design for the widening and reconstruction of 11.1 miles of Oil Well Road from Immokalee Road to east of Camp Keais Road in eastern Collier County. The project scope included widening a two-lane rural to a four-lane and six-lane urban section. The project included extensive public involvement due to impacts to environmentally sensitive areas as well as heavily developed sections of the corridor.		
(1) TITLE AND LOCATION <i>(City and State)</i> <b>I-75 (SR 93) at Florida's Turnpike – Wildwood Interchange (MP 309)-Design- Build Request for Proposal, Phase I (30%) Roadway Plans and 45% Drainage; Florida's Turnpike Enterprise; Sumter County, FL</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
<b>e. Traffic/Signing and Pavement Marking/ITS/Lighting QA/QC.</b> Provided QA/QC for the traffic analysis, signing and pavement marking, ITS, and lighting elements of this project to improve the operational efficiency and safety of the existing interchange through a design-build delivery. Key project issues include: reconfigure the interchange to provide a dedicated right-hand exit to SB Turnpike from SR 44, separate NB I-75 exit traffic to SR 44 from NB Turnpike mainline traffic; widen I-75 from existing four-lane to six lanes; removal and replacement of existing ITS system; master signing concept on I-75 and Turnpike mainline; maintenance of traffic to implement construction including significant detour design.		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
DeeAngela Tjikueni, PE	Traffic Data/Analysis	19	10

15. FIRM NAME AND LOCATION (City and State)

CH2M HILL Engineers, Inc., Ft. Lauderdale, FL

16. EDUCATION (Degree and Specialization)

MCE, Civil Engineering; BCE, Civil Engineering

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

Professional Engineer: FL (#68301), GA

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

DeeAngela has direct experience with FDOT and FTE providing traffic, signing and pavement marking, lighting, and ITS services on major widening projects. Specializes in traffic impact analysis/impact studies; traffic reports; preliminary engineering; geometric conceptual layouts; signalized intersection design; signal operations systems analysis; signal timing; traffic operations analysis, and signing and pavement marking.

## 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Widening the Homestead Extension of the Florida's Turnpike (HEFT) – Part B - Design-Build Request for Proposal, Phase I (30%) Roadway Plans and 45% Drainage; Florida's Turnpike Enterprise; Miami-Dade County, FL	Ongoing	
	<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><b>Traffic Engineer.</b> Responsible for preparing conceptual signing scroll plots for the interim and ultimate configuration, including express lanes, to be placed in the Design-Build RFP Criteria package. Responsibilities included the ITS Analysis Technical Memo which presented all of the existing ITS equipment, the ITS equipment that will be impacted, and proposed alternatives to remedy equipment impacts. Also provided a lighting justification report for the project corridor. Project involved a PD&amp;E study to widen 10 miles of the HEFT from four to eight lanes concurrently with an interim design project to widen 7 miles of the HEFT from four to six lanes. Key project issues include: widening existing four-lane HEFT to six lanes with a widening scheme to accommodate future eight-lane widening. The additional lanes are express lanes that are barrier separated from the general use lanes and are provided dedicated ingress/egress locations; modifications to HEFT/Allapattah Road interchange to eliminate an existing stopping sight distance deficiency; drainage design to secure SFWMD permit; structure analysis to confirm cantilever loads and adequate structural capacity to widen existing bridges; maintenance of traffic; and master signing plan that includes special express lane messaging.</p>		
b.	Seminole Expressway (SR 417) Widening Design (Orange/Seminole County Line to North of SR 434); Florida's Turnpike Enterprise; Seminole County, FL	2015	
	<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><b>Traffic Engineer.</b> Provided signing and pavement marking services for widening the existing four-lane SR 417 to six lanes with the scheme to accommodate future eight-lane widening. Key project issues include reconstruction of the bridges over Aloma Avenue; complex design/MOT to minimize horizontal stopping sight distance deficiencies, for propose condition, on the mainline; FDEP permitting with new criteria guidelines and coordination with local agencies to ensure mutual benefit for design implementation. Performed under fast-track schedule to acquire necessary permits before proposed rule change.</p>		
c.	HEFT Ramp Intersection at NW 12th Street Modifications Miami-Dade County; Florida's Turnpike Enterprise; Miami-Dade County, FL	2013	
	<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><b>Traffic Engineer.</b> Project involved the preparation of plans and specification package for the design of an additional right-turn lane on the SB off ramp at the Homestead Extension of the Florida's Turnpike (HEFT)/ 12th Street Interchange. Responsibilities included constructing a signal mast arm, relocating a controller cabinet, ADA compliant pedestrian features at intersection; intersection striping; and replacing impacted lighting.</p>		



(1) TITLE AND LOCATION <i>(City and State)</i> <b>USB 41/SR 60/SR45 from W. 14th Street to E. of 22nd Street;  FDOT District Seven; Hillsborough County, FL</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable)
<b>d.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Traffic Engineer.</b> Services included updating pedestrian crosswalks, providing an uninterrupted power source at an existing controller cabinet, replacing loop assemblies, providing pedestrian features, providing illuminated street name signs and replacing a portable traffic monitoring site.		
(1) TITLE AND LOCATION <i>(City and State)</i> <b>I-75 (SR 93) at Florida's Turnpike – Wildwood Interchange  (MP 309)-Design-Build Request for Proposal, Phase I (30%)  Roadway Plans and 45% Drainage; Florida's Turnpike  Enterprise; Sumter County, FL</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
<b>e.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Traffic Engineer.</b> Responsible for conceptual signing, lighting, and ITS plans for this project whose key issues include: reconfiguring the interchange to provide a dedicated right-hand exit to SB Turnpike from SR 44, separate NB I-75 exit traffic to SR 44 from NB Turnpike mainline traffic; widening I-75 from existing four-lane to six lanes; accommodation for two I-75 truck lanes (one in each direction); minimizing impacts to existing springs (artesian conditions) within the existing interchange; ensure that all improvements accommodate future widening of the Turnpike mainline from four to six lanes; removal and replacement of existing ITS system; master signing concept on I-75 and Turnpike mainline; maintenance of traffic to implement construction including significant detour design (17 miles long) in collaboration with three affected municipalities; extension of existing box culverts to maintain existing flow patterns; processing border width design variation and use of retaining walls to avoid right-of-way impacts; develop performance criteria to minimize settlement of walls and roadway due to organic soils; develop Request for Proposal using current boiler plate and compiling all Attachments and Reference documents to secure Design Build Firm (DBF); assist Florida's Turnpike Enterprise with procurement of DBF.		



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person)

<b>12. NAME</b> <b>Juan Calderon, PE, PTOE</b>	<b>13. ROLE IN THIS CONTRACT</b> <b>Traffic Data/Analysis</b>	<b>14. YEARS EXPERIENCE</b> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-bottom: 1px solid black; text-align: center;">a. TOTAL</td> <td style="width: 50%; border-bottom: 1px solid black; text-align: center;">b. WITH CURRENT FIRM</td> </tr> <tr> <td style="text-align: center;">18</td> <td style="text-align: center;">6</td> </tr> </table>		a. TOTAL	b. WITH CURRENT FIRM	18	6
a. TOTAL	b. WITH CURRENT FIRM						
18	6						
<b>15. FIRM NAME AND LOCATION (City and State)</b> CALTRAN Engineering Group, Inc., Miami, FL							
<b>16. EDUCATION (Degree and Specialization)</b> Degree Master of Science in Civil Engineering; Florida International University, Miami 1999 Bachelor of Science in Civil Engineering; University Santo Tomas, Bogota, Colombia, 1997		<b>17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)</b> •Professional Engineer in Florida No. 58569, 2002 •Professional Traffic Operations Engineer No. 1301, 2004 •Professional Transportation Planner No. 20, 2007					
<b>18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)</b> Juan has over 18 years of experience in traffic/ transportation engineering. He has been involved in managing multiple traffic and planning engineering projects with the FDOT and related contracts. Likewise, he has participated actively in preliminary engineering reports, design projects and planning.							

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>Downtown Miami Complete Streets (Lane Elimination) Project, SW/SE 1<sup>st</sup> Street, Miami</b>	PROFESSIONAL SERVICES 2016-2017	CONSTRUCTION (If applicable) N/A
<b>a.</b>	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> Responsible for traffic-engineering services to complete a feasibility study to apply a Complete Street concept to SW/SE 1 <sup>st</sup> Street in Downtown Miami, between SW 2 <sup>nd</sup> Avenue and Biscayne Boulevard. Tasks included provided an existing condition analysis, traffic analysis for no built and built conditions, transit system operation analysis. Study recommended lane elimination and 1st on-road bus lane only in Miami-Dade County. Role: Project Manager		
	<b>City of Coral Gables Comprehensive Multimodal Transportation Plan, Coral Gables</b>	PROFESSIONAL SERVICES 2013-Ongoing	CONSTRUCTION (If applicable)
<b>b.</b>	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> Responsible for the evaluation of multimodal projects and transportation traffic calming plan with the vision to support the City developing a framework and analysis of existing and future conditions, civic engagement and putting ideas into action as well as a recommendation and prioritization of funding. Role: Project Manager		
	<b>FDOT D6, Traffic Operations Studies, C8W68, Miami-Dade and Monroe Counties</b>	PROFESSIONAL SERVICES 2013-Ongoing	CONSTRUCTION (If applicable)
<b>c.</b>	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> Responsible for providing traffic engineering services to the department through traffic operations and safety studies such as: Turning Movement Counts, Intersection Approach counts, Travel time and delay, spot speed studies amongst others along Miami-Dade and Monroe Counties. Role: Project Manager		
	<b>Beacon Tradeport Community Development (Dolphin Mall) Traffic Circulation Improvement Master Plan, Miami</b>	PROFESSIONAL SERVICES 2012-2013	CONSTRUCTION (If applicable)
<b>d.</b>	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> Retained by the Beacon Tradeport Community Development District (CDD) to develop a Traffic Circulation Improvement Master Plan for the overall CDD. The CDD area encompasses a business/warehousing district, with its main attraction being the Dolphin Mall. In addition, the CDD has initiated a plan to develop an IKEA store by 2015 between the Dolphin Mall and NW 25th Street along NW 117th Avenue in the northwestern portion of the CDD. Role: Project Manager		
	<b>Study Services for the US-1 Express Lanes along the South Miami-Dade Bus Way from SW 344th street to SR 826 (Palmetto)</b>	PROFESSIONAL SERVICES 2010-2011	CONSTRUCTION (If applicable)
<b>e.</b>	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input type="checkbox"/> Check if project performed with current firm</span> Responsible of performing a roadway Study for the potential implementation of managed lanes within the South Miami Dade Busway right-of-way ("the Corridor") to include tolled, congestion priced lanes as a by-pass to the heavily congested US-1 while increasing the level of service of bus transit and possibly generating revenue to expedite other transportation and transit improvements in the Corridor. Role: Project Manager		



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

12. NAME <b>Jeannelia Liu, PE</b>	13. ROLE IN THIS CONTRACT <b>Traffic Data/Analysis</b>	14. YEARS EXPERIENCE	
		a. TOTAL 21	b. WITH CURRENT FIRM 3
15. FIRM NAME AND LOCATION <i>(City and State)</i> CALTRAN Engineering Group, Inc., Miami, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science in Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Professional Engineer in Florida No. 57565, 2001	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Jeannelia has a wide-range of experience including more than fifteen years providing project management services to various GIS, planning, studies and data collection projects. She has been involved in roadway design and planning projects for FDOT.			

**19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>FDOT D6, Transportation Statistics Support No. 3, Miami</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2013-Ongoing	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Responsible for providing engineering support at the Intermodal Systems Development Office in District 6 and amongst other tasks includes; PTMS design through work program projects; Roadway Characteristic Inventory data collection and review; enhanced pavement deficiency evaluation and reporting. Role: Quality Control Supervisor			
b.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>FDOT D6, Public Transportation Consultant, Miami</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2012-Ongoing	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Responsible to provide studies, perform evaluations, develop strategies, and secure funding for highway, transit, rail, freight and seaport projects while enhancing performance for all transportation modes. Those analyses require capabilities to collect data, assess the context, validation of data, analysis of demands, forecasting and growth, and provide sound engineering design and construction judgments in conjunction to responding to public and private stakeholders concerns. Role: Quality Control Supervisor			
c.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>FDOT D6, Districtwide Plans Reviews, Miami</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2009-2012	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Responsible for all aspects of the scoping reports during draft and final phases. Reviewed roadway design plans, posted comments in the ERC and attended review meetings. Role: Project Engineer			
d.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>FDOT D6, Short Range Project Development Consultant, Miami-Dade and Monroe Counties</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2006-2010	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Responsible for pavement management enhancement projects within Miami Dade and Monroe counties in which recommended improvements and preliminary cost estimates needed to be prepared. Managed highway and traffic data collection assignments. Scoping report were produced to assess existing conditions on this project based on requirements from Chapter 25 of the Plans Preparations Manual "Florida's Design Criteria for Resurfacing, Restoration and Rehabilitation (RRR) of Streets and Highways. Role: Project Engineer			
e.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>MDAD, Miami International Airport, Perimeter Road Realignment</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2005-2007	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Responsible of services that included design, construction document development, permitting, and construction administration for the re-alignment of Perimeter Road. Work activities included a new 4-lane divided road, exfiltration trenches and drainage structures, lighting, new signalized intersection, signing and pavement marking, and surface parking lot. Role: Project Engineer.			



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

<b>12. NAME</b> <b>Daniel Checchia</b>	<b>13. ROLE IN THIS CONTRACT</b> <b>Utilities</b>	<b>14. YEARS EXPERIENCE</b> <table style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;">a. TOTAL 19</td> <td style="width: 50%; text-align: center;">b. WITH CURRENT FIRM 5</td> </tr> </table>		a. TOTAL 19	b. WITH CURRENT FIRM 5
a. TOTAL 19	b. WITH CURRENT FIRM 5				
<b>15. FIRM NAME AND LOCATION (City and State)</b> Keith and Associates, Inc., Doral, Florida					
<b>16. EDUCATION (DEGREE AND SPECIALIZATION)</b> AS Applied Science in Construction Technology		<b>17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)</b>			
<b>18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)</b> FDOT Maintenance of Traffic					

### 19. RELEVANT PROJECTS

	<b>(1) TITLE AND LOCATION (City and State)</b> <b>FDOT D6 Districtwide Utility Coordination Services, Miami-Dade County, FL</b>	<b>(2) YEAR COMPLETED</b> <table style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES <b>Ongoing</b></td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) <b>N/A</b></td> </tr> </table>		PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>N/A</b>
PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>N/A</b>				
<b>a.</b>	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input checked="" type="checkbox"/> Check if project performed with current firm Keith and Associates is providing <b>utility coordination services</b> to FDOT District 6 for contract FM #250723-3-32-01. The services provided under this task work order contract include initial contact, pre-design, contact, final design contact, utility clear package, utility project file & documents and project status report				
	<b>(1) TITLE AND LOCATION (City and State)</b> <b>FDOT D6 Districtwide Utility Location Services, Miami-Dade County, FL</b>	<b>(2) YEAR COMPLETED</b> <table style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES <b>Ongoing</b></td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) <b>N/A</b></td> </tr> </table>		PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>N/A</b>
PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>N/A</b>				
<b>b.</b>	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input checked="" type="checkbox"/> Check if project performed with current firm As a Prime consultant, Keith and Associates is providing <b>underground utility location services</b> , including physical locates and surface designations to FDOT District 6 for contract FM #250723-2-32-03/-04. Through our designating, locating and mapping services, Keith and Associates supports the District's current work program in completing the design and development of construction plans.				
	<b>(1) TITLE AND LOCATION (City and State)</b> <b>FDOT D4 Ravenswood Bridge Replacement, Fort Lauderdale, FL</b>	<b>(2) YEAR COMPLETED</b> <table style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES <b>2014</b></td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) <b>2014</b></td> </tr> </table>		PROFESSIONAL SERVICES <b>2014</b>	CONSTRUCTION (If applicable) <b>2014</b>
PROFESSIONAL SERVICES <b>2014</b>	CONSTRUCTION (If applicable) <b>2014</b>				
<b>c.</b>	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input checked="" type="checkbox"/> Check if project performed with current firm <b>Utility coordination manager.</b> Managed the Utility Coordination for this Bridge Replacement Project on Ravenswood Rd., north of Griffin Rd. Our Design ticket with Sunshine State One Call of Florida identified twelve (12) Utility Agencies and the Broward County Traffic Engineering Dept. Several Utility Meetings were conducted to clarify the construction phasing and Utility involvement. Five (5) Utility Agencies (MCI/Verizon, Buckeye Pipeline, City of Dania Beach, Level 3, and Florida Gas Transmission) had facilities in the area but were not involved in the Project and we negotiated/coordinated six (6) Non-Reimbursable Utility Work Schedules (AT&T, Comcast, FPL Distribution, FPL Transmission, FPL Fibernet, and TECO Peoples Gas). Broward County Water and Wastewater entered into a "Utility Work by Highway Contractor Agreement" for the Engineering and Design of the relocation/adjustment of the water and sanitary lines that were impacted by this bridge replacement project.				
	<b>(1) TITLE AND LOCATION (City and State)</b> <b>Pompano Beach Blvd. Streetscape, Pompano Beach, FL</b>	<b>(2) YEAR COMPLETED</b> <table style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES <b>2013</b></td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) <b>2013</b></td> </tr> </table>		PROFESSIONAL SERVICES <b>2013</b>	CONSTRUCTION (If applicable) <b>2013</b>
PROFESSIONAL SERVICES <b>2013</b>	CONSTRUCTION (If applicable) <b>2013</b>				
<b>d.</b>	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input checked="" type="checkbox"/> Check if project performed with current firm Keith and Associates provided Quality Level "B" utility designation, Quality Level "A" utility locates and mapping services. K&A designated the above horizontal alignment of existing known/unknown, toneable and non-toneable utilities using a combination of geo physical prospecting equipment and Ground Penetrating Radar. This information was then collected and used by the design team to identify the location of existing subsurface facilities. K&A was then requested to perform utility verifications of the facilities by using non-destructive/ non-intrusive vacuum excavation services. The Utilities we exposed and cataloged to help the design team resolved potential conflicts with proposed design improvements.				

e.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Replacement &amp; Rehabilitation of 72-inch Sanitary Force Main, North Miami, FL</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> 2016	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm As a sub-consultant to the design/build team of WadeTrim and Ric-Man Construction, Keith and Associates provided Surveying and Subsurface Utility Engineering services along 159th Street and NE 6th Avenue and 159th Street and North Miami Avenue. Subsurface utility designation was performed in the areas to identify utilities horizontally and select facilities that would be located (verified) through non-invasive methods. These locations were critical to the success of the design and construction effort.		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person)

12. NAME <b>Manuel G. Vera, Jr., PSM</b>	13. ROLE IN THIS CONTRACT <b>Surveyor/ROW Services</b>	14. YEARS EXPERIENCE a. TOTAL <b>34</b> b. WITH CURRENT FIRM <b>34</b>	
15. FIRM NAME AND LOCATION (City and State) <b>Manuel G. Vera &amp; Associates, Inc. Miami, FL</b>			
16. EDUCATION (Degree and Specialization) <b>B.S., Legal Studies, Nova Southeastern University, 1994 A.S., Land Surveying, Miami Dade College, 1988</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>Professional Surveyor &amp; Mapper, Florida, PSM #5291 (1994)</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Vera Jr., a registered Land Surveyor has over 34 years of experience with the company and throughout the state of Florida. He has managed a variety of survey contracts and projects for the Florida Department of Transportation, Miami-Dade County, Miami-Dade Expressway Authority, City of Miami, and numerous Engineering and Design firms. Mr. Vera has performed and managed all types of surveying services including: Design Surveys, Right-of-Way Control Surveys, Right-of-Way Mapping, Platting, Construction Layout, As-built Surveys, Drainage Surveys, etc. He has extensive experience in the management and coordination of survey projects involving a variety of surveying techniques such as Aerial Surveys, Conventional Ground Surveying, Utilities designation, etc. Professional Affiliation: Florida Surveying & Mapping Society			
<b>19. RELEVANT PROJECTS</b>			
<b>a.</b>	(1) TITLE AND LOCATION (City and State) <b>D/W Right of Way Monumentation Consultant Contract Miami-Dade and Monroe Counties, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>Ongoing</b> CONSTRUCTION (If applicable) <b>N/A</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Manager.</b> On this districtwide task oriented contract, MGVS is in charge for all survey activities including field survey activities and office support and mapping tasks for the duration of the contract. Cost: \$1.5 Million		
<b>b.</b>	(1) TITLE AND LOCATION (City and State) <b>D/W Miscellaneous Location Survey Consultant Miami-Dade and Monroe Counties, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>Ongoing</b> CONSTRUCTION (If applicable) <b>N/A</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Manager.</b> On this districtwide task oriented contract, MGVS is in charge for all survey activities including field survey activities and office support and mapping tasks for the duration of the contract. Cost: \$1.5 Million		
<b>c.</b>	(1) TITLE AND LOCATION (City and State) <b>D/W Right of Way Mapping Production Support Broward, Indian River, Martin, Palm Beach and St. Lucie Counties, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>Ongoing</b> CONSTRUCTION (If applicable) <b>N/A</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Manager.</b> On this districtwide task oriented contract, MGVS is in charge for all survey activities including field survey activities and office support and mapping tasks for the duration of the contract. Cost: \$1.5 Million		
<b>d.</b>	(1) TITLE AND LOCATION (City and State) <b>Turnpike Widening Atlantic to Boynton Beach Blvd Palm Beach County, Florida</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>Ongoing</b> CONSTRUCTION (If applicable) <b>N/A</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Manager.</b> MGVS provided a Design Survey consisting of the following deliverables: the establishment of horizontal (NAD 83/90) and vertical control (NAVD 88) networks, Survey Baseline and Right of Way Lines, Aerial Targets, creation of Topographic survey and Digital Terrain Model (DTM/3D) in 3D laser scanning, Roadway Cross-Sections/Profiles, Bridge Survey, Channel Survey, and Pond Site Survey, and Project Network Control Sheets. Cost \$262,847		

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>Cross Town Parkway Segment 1 from Manth Lane to US1 City of Port St. Lucie (St. Lucie County, Florida)</b>	PROFESSIONAL SERVICES  2016	CONSTRUCTION (If applicable)  N/A
<b>e.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
<b>Project Manager.</b> MGV prepared a complete Design survey, including: the establishment of horizontal (NAD 83/90) and vertical (NAVD 88) control networks, creation of Topographic surveys and Digital Terrain Model (DTM/3D) in 3D laser scanning, perform cross sections, aerial targets, subdivision locations, and geotechnical support. Cost \$183,080		



**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 one Section F for each project.)*

20. EXAMPLE PROJECT KEY NUMBER

1

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

**Complete Streets Design-Build Project**  
**Lee County, FL**

22. YEAR COMPLETED

PROFESSIONAL SERVICES

2015

CONSTRUCTION *(If applicable)*

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

Lee County MPO

b. POINT OF CONTACT NAME

Don Scott, AICP, Executive Director

c. POINT OF CONTACT TELEPHONE NUMBER

(239) 244-2220

dscott@leempo.com

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

CH2M assisted the Lee County MPO with preparing Conceptual Designs (30% Plans) and a Design-Build Criteria Package used for bidding their USDOT TIGER Grant funded Complete Streets Project. Improvements consisted of adding bike lanes, shoulders, pathways, sidewalks and bus stop facilities. This grant allowed Lee County to fill gaps in their Regional network and link three high priority loops with committed local funding:



- Lee County Tour de Parks Route (\$5.2 million) filled in gaps on a 35-mile segment, designed to connect several Lee County parks, anchored by Lakes Regional Park in south Fort Myers, and is focused on significantly boosting eco-tourism in this area. This segment will also connect two spring training stadiums (JetBlue Park and the Hammond Stadium) to the multi-use path system, encouraging alternative and active transportation to games and entertainment.
- University Loop (\$2.2 million) filled in gaps on a 15-mile segment constructing bicycle, pedestrian and transit facilities linking the FGCU campus to the rest of Lee County to encourage safe bicycle, pedestrian and transit travel.
- Bi-County Connector (\$3.1 million) filled in gaps on a 22.8-mile segment that links Lee County, the City of Bonita Springs, and Collier County. The project will add sidewalks, bike facilities and new bus shelters to further support the phenomenally successful year-old LinC Lee/Collier transit route.

The grant application was awarded for \$10.4 million.

**24. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME CH2M	(2) FIRM LOCATION <i>(City and State)</i> Naples, FL	(3) ROLE Prime
	(1) FIRM NAME CH2M	(2) FIRM LOCATION <i>(City and State)</i> Tampa, FL	(3) ROLE Prime

**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 one Section F for each project.)*

20. EXAMPLE PROJECT KEY NUMBER

2

21. TITLE AND LOCATION (City and State)

**East Cass and East Taylor "Green Spine" Project Tampa, FL**

22. YEAR COMPLETED

PROFESSIONAL SERVICES

2015

CONSTRUCTION (If applicable)

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

City of Tampa, FL

b. POINT OF CONTACT NAME

Mike Chucran, Director of Contract Administration

c. POINT OF CONTACT TELEPHONE NUMBER

(813) 274-8568

Michael.Chucran@tampagov.net

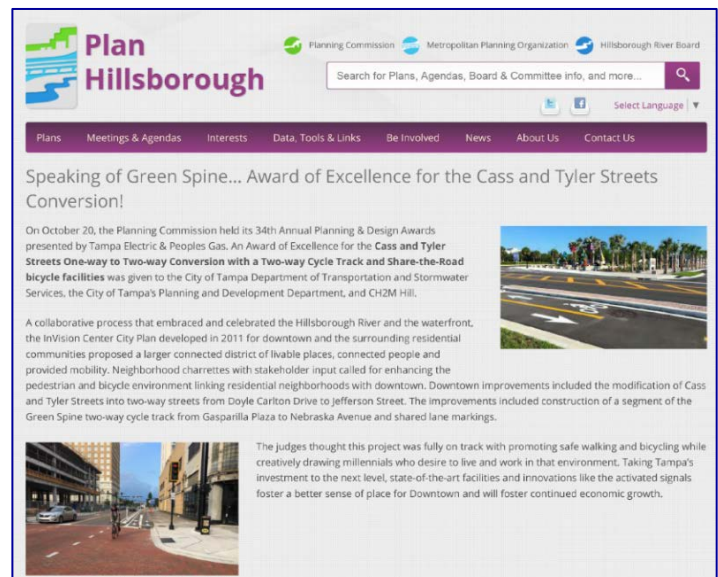
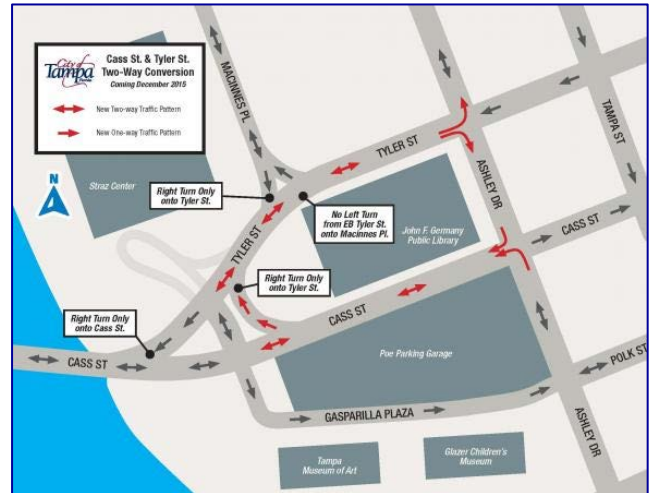
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

The East Cass and East Tyler project consisted of converting East Cass Street and East Tyler Street (from the Hillsborough River to Nebraska Avenue) from one-way streets into two-way streets. As part of the overall improvements, there were 15 signalized intersections, roadway modifications and new mast arms, signing, milling and resurfacing, striping, and traffic signal replacements throughout the downtown Tampa corridor.

In addition, a barrier-separated cycle track was added along East Cass Street to Nebraska Avenue. The cycle track was built with the highest safety standards including a stop bar on the pavement at each intersection, green pavement markings at high safety zones such as driveways, and a signal at each intersection. The cycle track is only the second of its kind in Florida.

These converted streets (East Cass Street and East Tyler Street) helped restore the street grid in downtown, improved local access, and transformed Cass Street into a central spine as outlined in the Invision Tampa Center City Plan. Total cost for the two-way conversion and cycle track was \$9.86 million with funding coming from the Local Option Gas Tax for design and Commercial Paper Program for construction. This was the City's first barrier-separated cycle path.

At the Hillsborough County Planning Commission's 34<sup>th</sup> Annual Planning and Design awards last year, the Cass and Tyler Streets One-way to Two-way Conversion with a Two-way Cycle Track and Share-the-Road Bicycle Facilities project received an Award of Excellence. Judges noted, "Taking Tampa's investment to the next level, state-of-the-art facilities and innovations like the activated signals foster a better sense of place for Downtown and will foster continued economic growth."



**23. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME CH2M	(2) FIRM LOCATION (City and State) Tampa, FL	(3) ROLE Prime
b.	(1) FIRM NAME CH2M	(2) FIRM LOCATION (City and State) Naples, FL	(3) ROLE Prime

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b> <div>3</div>
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<b>21. TITLE AND LOCATION</b> <i>(City and State)</i>  <b>Widening the Homestead Extension of the Florida's Turnpike (HEFT): PD&amp;E and Design-Build RFP, Miami-Dade County, FL</b>	<b>22. YEAR COMPLETED</b>	
	<b>PROFESSIONAL SERVICES</b>  Ongoing	<b>CONSTRUCTION</b> <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION		
<b>a. PROJECT OWNER</b>  Florida Turnpike Enterprise	<b>b. POINT OF CONTACT NAME</b>  Part A - Henry Pinzon Part B - Nathan West	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> 407-264-3802/407-264-3412 Henry.Pinzon@dot.state.fl.us/ Nathan.West@dot.state.fl.us

**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost)*

CH2M was selected by the Florida Turnpike Enterprise (FTE) to provide professional consulting services for performance of Project Development and Environment (PD&E) Studies for Homestead Extension of Florida's Turnpike (SR 821) Widening, from Campbell Drive to U.S. 1. The project also includes preliminary design, plans preparation and design/build (D/B) contract documents for Homestead Extension of Florida's Turnpike (HEFT) SR 821 Widening from SW 288th Street to SW 216th Street Miami-Dade County.

CH2M is taking an innovative dual-track approach to managing and delivering these projects, including performing a PD&E Study to widen more than eleven (11) miles the HEFT from the Campbell Drive interchange north to US 1 to meet design year traffic demands.

Simultaneously and interactively, the team will deliver an accelerated conceptual design, SFWMD permitting, and Design-Build RFP to support a six-lane interim widening for seven miles of the HEFT via D/B delivery

Key project issues include: widening existing four-lane HEFT to six lanes (Part B) with a widening scheme to accommodate future eight-lane widening (Part A). Additional lanes are express lanes, barrier separated from the general use lanes with dedicated ingress/egress locations – robust public outreach for both Part A and Part B; modifications to HEFT/ Allapattah Road interchange to eliminate an existing stopping sight distance deficiency; drainage design to secure SFWMD permit; structure analysis to confirm cantilever loads and adequate structural capacity to widen existing bridges; maintenance of traffic; master signing and ITS plans that include special express lane messaging; constructability evaluations to ensure bridge widening can be accomplished under existing 230kV transmission lines; placement of noise walls throughout corridor; demolition of existing toll buildings; and coordination with local and governmental agencies.

This approach was designed to deliver the State Environmental Impact Statement (SEIR) documenting environmental clearance for the design year mobility needs (the PD&E Study) in 17 months and Phase I construction plans, permits, design criteria package, and D/B Request for Proposal for the interim improvements (Interim 6-Lane D/B) in 24 months, 6 months ahead of the schedule date for construction letting.



24. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
<b>a.</b> (1) FIRM NAME CH2M	(2) FIRM LOCATION <i>(City and State)</i> Orlando, FL	(3) ROLE Prime	
<b>b.</b> (1) FIRM NAME CH2M	(2) FIRM LOCATION <i>(City and State)</i> Ft. Lauderdale, FL	(3) ROLE Prime	

**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 one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

4

21. TITLE AND LOCATION (City and State)

Transportation Program Manager, Seminole Tribe of Florida (STOF), Hollywood, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES

2016

CONSTRUCTION (If applicable)

N/A

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

Seminole Tribe of Florida Public Works

b. POINT OF CONTACT NAME

Fabian Lefler, Transportation Director

c. POINT OF CONTACT TELEPHONE NUMBER

954-894-1060

FabianLefler@seminoletribe.com

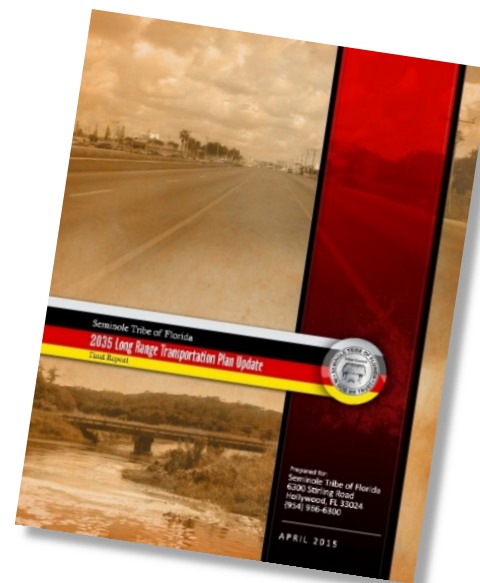
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

CH2M provided Transportation Program Management Services for all six reservations in Florida including Hollywood, Tampa, Big Cypress, Brighton, Fort Pierce and Immokalee. Services included plan review, preparation of LRTP, grant writing, safety audits, asset management, pavement evaluations, cost estimating, bid reviews, budget analysis, safety plan, access management and roadway design, work order preparations, RFP preparation services, FDOT, BIA, FHWA coordination, public involvement, and planning.

Projects/tasks included:

- Transportation Program Management
- STOF Long Range Transportation Plan (6 Reservations)
- Roadway Plan and Estimate Reviews
- Reservation-Wide Systemic Safety Analysis
- Prepare Transportation SOQs
- 2014 Infrastructure Analysis Report
- Josie Billie Highway Road Safety Audit
- Big Cypress Safety Plan
- Josie Billie Highway Emergency Sign Package
- STOF Reservation Wide Asset Collection
- TIFIA Loan Presentation
- STOF Transportation CIP
- ARCGIS Collection Software Design
- TTPSF Safety Funds Grant- Coordinated with Federal Highway Administration (Awarded \$360,000)
- Reservation Safety Plan
- Accident Database
- Indian Reservation Roads (IRR) Inventory Update
- Transportation Network Study
- Transportation Site Impact Procedures

Budget \$2 million.



**24. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME CH2M	(2) FIRM LOCATION (City and State) Naples, FL	(3) ROLE Prime
b.	(1) FIRM NAME CH2M	(2) FIRM LOCATION (City and State) Ft. Lauderdale, FL	(3) ROLE Prime



**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 one Section F for each project.)*

20. EXAMPLE PROJECT KEY NUMBER

5

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

**General Planning Consultant, Pompano Beach, FL**

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
Ongoing

CONSTRUCTION *(If applicable)*

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

South Florida Regional Transportation Authority (SFRTA)

b. POINT OF CONTACT NAME

Suzie Papillon, Transportation Planning Manager

c. POINT OF CONTACT TELEPHONE NUMBER

(954) 788-7908  
papillons@sfrta.fl.gov

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

CH2M was awarded a 5-year, \$5 million General Planning task order contract from SFRTA in 2015. To date, the following task orders have been implemented:

- Task 1 – On-Call
- Task 2 – Oversight of New Locomotive Design
- Task 3 - Tri-Rail Downtown Miami Link Environmental Clearance
- Task 4 – Program Management Support for Mobile Ticketing Solution
- Task 5 – Support Services for Train Tracking and Real Time Passenger Information System
- Task 6 – Oversight of New Locomotives Warranty and Close Out
- Task 7 – SFRTA Limited English Proficiency (LEP) Program
- Task 8 – Financial Planning Support for New Rail Services – Downtown Miami Link and Coastal Link (primarily work being done by a specialty sub)
- Task 9 – Support Services for Nextfare Reporting
- Task 10 – Procurement of Automated Fare Collection Equipment



**24. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a. CH2M	Orlando, FL	Prime

**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 one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

6

21. TITLE AND LOCATION (City and State)

**Mercer Corridor Project, Seattle, WA**

22. YEAR COMPLETED

PROFESSIONAL SERVICES

2010

CONSTRUCTION (If applicable)

2013

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

Seattle Department of Transportation (SDOT)

b. POINT OF CONTACT NAME

Angela Brady, PE

c. POINT OF CONTACT TELEPHONE NUMBER

(206) 684-3115  
Angela.Brady@seattle.gov

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

The Mercer Corridor Project involved the reconstruction and realignment of the main roadway through the growing biotechnology hub in South Lake Union, connecting a number of urban centers to I-5 in Seattle. Over the last 4 decades, more than 30 studies and designs have been developed to solve the corridor transportation problem. The Seattle Department of Transportation (SDOT) hired a team led by CH2M to evaluate a range of design alternatives, gather input from stakeholders, and develop a preferred alternative to be advanced toward final design and construction.

**Sustainability Features**

With Mercer Street re-imagined as a two-way boulevard with three lanes in each direction, it simplified the circuitous route from I-5 and improves regional mobility for over 100,000 people each day. The design supported neighborhood and city development by removing barriers for both motorized and non-motorized users, created economic opportunity by supporting 20,000 new jobs in the growing biotechnology hub of South Lake Union, and provided critical access for freight.



**Environment & Water**

The project was designed to reduce the impervious area by 0.5 acres. Additionally, the project provided natural drainage by creating a 20 ft wide "wet median" in Mercer Street, and rain gardens along Westlake Ave to naturally store and treat stormwater as an innovative alternative to traditional treatment and management systems. In addition to upgrading the existing underground storm drain system, these green alternatives created a rebalanced stormwater network and strengthened system capacity to allow for growth in numbers of residents and businesses.

To soften the scale of Mercer Street, large trees were planted in the median and along sidewalks in mid-block curb bulbs (aka: "green fingers"). This vegetation created a tree canopy along the corridor transforming it into a grand, tree-lined boulevard. More than 260 new trees, and over 10,000 new shrubs and other landscaping were planted throughout the project.

**Access & Equity**

The Mercer East project reflects the goals of the Complete Street principles, creating a facility that provides safe operation for all users, and is designed to support and encourage walking, bicycling, and transit. The completed design reflects the City's urban design preferences and streetscape guidelines.

**Groundbreaking: September 8, 2010**

The Mercer Corridor Project is part of a collaborative infrastructure investment in creating a new, urban, dense, mixed-use neighborhood in South Lake Union, adjacent to the City of Seattle's center. The link between this investment as a catalyst for supporting an urban neighborhood was instrumental in being awarded a TIGER (Transportation Investment Generating Economic Recovery) Grant in 2010.

**24. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	CH2M	Seattle, WA	Prime

**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 one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

7

21. TITLE AND LOCATION (City and State)

**Aurora Avenue Multimodal Corridor**  
**City of Shoreline, WA**

22. YEAR COMPLETED

PROFESSIONAL SERVICES

2008

CONSTRUCTION (If applicable)

2008

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

City of Shoreline, WA

b. POINT OF CONTACT NAME

Maggie Inahara, PE, Project Manager  
(formerly with Shoreline)

c. POINT OF CONTACT TELEPHONE NUMBER

(425) 306-1092  
maggie.inahara@boeing.com

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

The Aurora Avenue Multimodal Corridor project was part of the City of Shoreline's plan to redevelop 3-miles of Aurora Avenue North. The project included intersection capacity improvements, transit lanes, two new pedestrian/bicycle bridges, sidewalks, access management treatments, utility undergrounding, landscaping, illumination, and stormwater management features.

CH2M supported City-led community and stakeholder involvement activities, led the evaluation of alternatives, assisted the City in accepting the preferred alternative, and provided final bridge design, trail design, geotechnical engineering, permitting support, and construction engineering support.

**Sustainability Features**

This award winning project models how street design can contribute to sustainability by enhancing the physical environment, supporting travel by transit and non-motorized modes, improving aesthetic values, contributing to the well-being of communities, surpassing regulatory compliance requirements, and utilizing innovative and cost effective mitigation techniques. The completed corridor was listed as a "Sustainable Street" by the University of California-Davis Sustainable Transportation Center.



**Context Sensitive Solutions (CSS)**

CH2M designed a 1-mile portion of the urban arterial using CSS to meet the City's goals for improved pedestrian and vehicle safety, pedestrian and disabled access, vehicular capacity, traffic flow, transit speed and reliability, nighttime visibility and safety, storm water quality, economic investment potential, and streetscape amenities.

Because Shoreline placed a heavy emphasis on community participation in the planning and design development, CH2M used the CSS process to more efficiently and effectively deliver a preferred alternative that had public support and constructability. This design approach also ensured the coordination with and cooperation of the numerous community groups involved in the project, as well as compliance with the many environmental jurisdictions involved in the project.

**Project Planning**

The team successfully delivered this project through extensive planning, studies, and reviews including detailed plans for quality control, noise, waste management, and pollution. CH2M pioneered the BAT (Business Access and Transit) lanes concept on this project. The BAT lanes helped to mitigate the loss of parking and business access, while increasing capacity without significant ROW acquisition. BAT lanes have since been implemented on major corridors throughout the region. BAT lanes will facilitate Bus Rapid Transit (BRT).

**24. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME CH2M	(2) FIRM LOCATION (City and State) Seattle, WA	(3) ROLE Prime
b.	(1) FIRM NAME CH2M	(2) FIRM LOCATION (City and State) Denver, CO	(3) ROLE Prime



**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 one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

8

21. TITLE AND LOCATION (City and State)

Seattle Waterfront Redevelopment, Seattle, WA

22. YEAR COMPLETED

PROFESSIONAL SERVICES

2018 (est.)

CONSTRUCTION (If applicable)

2022 (est.)

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

Seattle Department of Transportation

b. POINT OF CONTACT NAME

Angela Brady, Manager, Engineering and Project Delivery

c. POINT OF CONTACT TELEPHONE NUMBER

(206) 684-3115

Angela.Brady@seattle.gov

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

CH2M is the program manager for the \$700 million Waterfront Seattle Program, a landmark project to reconnect the heart of the city with one of its most remarkable assets, the central waterfront. Following the removal of the Alaskan Way Viaduct, CH2M is working with James Corner Field Operations, a renowned urban design firm, to create a new vision for the Seattle waterfront.

The program is made up of several projects that, when completed, will result in major improvements along 1.5 miles of waterfront, including the development of more than 20 acres of new public waterfront, and a new street. The initial phases of the program involved extensive stakeholder engagement, design, and environmental documentation. CH2M has key roles in overall program management, civil and structural design, utility coordination, design integration, cost estimation and quality assurance. In the current design phase CH2M will deliver:



- Final design for the Main Corridor program elements, including the new Alaskan and Elliott Way surface arterials, and Promenade - a linear park along the water's edge featuring hardscape plazas, raised planters, boardwalks, seating and public artwork.
- Final design for the Overlook Walk – a generous, landscaped elevated pedestrian walkway connecting between Seattle's Pike Place Market and aquarium. The Overlook Walk also features buildings to support food and beverage, restrooms as well as vertical transportation (stairs and elevators).
- Deliver final design of several other program elements including rebuilding two public piers and an elevated pedestrian walkway and elevator.
- Provide technical support to complete the Final Environmental Impact Statement documentation.

The program scope is broken into a number of interconnected projects to include the development of a new Alaskan Way that provides multi-modal access to and through the waterfront neighborhood, a pedestrian and bike-friendly promenade to enhance the public realm along the corridor, improve east-west connections between the waterfront and downtown core, reconfiguration of the existing utility infrastructure and enhancing sustainability by improving the environment and providing social benefits. On-going stages of work include progressing the conceptual designs into construction documents. The project concepts provide opportunities to integrate a wide variety of green stormwater infrastructure techniques including rain gardens, permeable pavements, rainfall harvesting, vegetated roofs, new tree planting and urban forestry and vegetated swales in an urban context.













Design work began in October 2010 with a conceptual design delivered in 2012. To ensure robust coordination, the design schedule has been aligned with major infrastructure programs adjacent to the Waterfront program, including the Elliott Bay Seawall Replacement Project, and WA State Ferries Colman Dock expansion project.

**24. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a. CH2M	Seattle, WA	Prime



### 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	6	7	8		
Alfred Lurigados, PE	Project Manager; Project Management/Construction Management; Public & Community Meetings										
Carol Barker, PE	Quality Manager										
Nancy Houston	Planning - Multimodal										
Chad Polk, PE	Planning - Safety										
Adam Ahmad, PE, AICP	Planning; Complete Streets										
Ken Wooten, PE	Roadway Design										
Bill Gramer, PE, AICP	Roadway Design; Complete Streets										
Jeffrey Gropper, PE	Roadway Design; Project Management/ Construction Management										
Rolando Pereiras	Project Management/ Construction Management										
Cris Schooley, PE	Complete Streets										
Tom Ross, PE	Traffic Data/Analysis										
DeeAngela Tjikueni, PE	Traffic Data/Analysis										

### 29. EXAMPLE PROJECTS KEY

NUMBER	TITLE OF EXAMPLE PROJECT (From Section F)	NUMBER	TITLE OF EXAMPLE PROJECT (From Section F)
1	Complete Streets Design-Build Project Lee County, FL	5	General Planning Consultant, Pompano Beach, FL
2	East Cass and East Taylor "Green Spine" Project, Tampa, FL	6	Mercer Corridor Project, Seattle, WA
3	Widening the Homestead Extension of the Florida's Turnpike (HEFT): PD&E and Design-Build RFP, Miami-Dade County, FL	7	Aurora Avenue Multimodal Corridor City of Shoreline, WA
4	Transportation Program Manager, Seminole Tribe of Florida (STOF), Hollywood, FL	8	Seattle Waterfront Redevelopment, Seattle, WA



## H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

### I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE



32. DATE

7/1/2017

33. NAME AND TITLE

Sirpa Hall, PE, Senior Business Vice President



# Architect–Engineer Qualifications



1. SOLICITATION NUMBER (If Any)  
RFQ 2017.05.YG

## Part II – General Qualifications

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

2a. FIRM (OR BRANCH OFFICE) NAME CH2M HILL, Miami, FL			3. YEAR ESTABLISHED 1991	4. UNIQUE ENTITY IDENTIFIER 063248207
2b. STREET 3150 SW 38 Ave Suite 700			5. OWNERSHIP	
c. CITY Miami	2d. STATE FL	2e. ZIP CODE 33146	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Sirpa Hall, PE, Senior Business Vice President			b. SMALL BUSINESS STATUS	
6b. TELEPHONE NUMBER (954) 513-1560			7. NAME OF FIRM (If block 2a is branch office) CH2M HILL 9191 S. Jamaica St. Englewood, CO 80112-5946 Phone: 303-771-0900 Fax: 720-286-9250  CH2M HILL is a wholly owned subsidiary of CH2M HILL COMPANIES, LTD. which, through its Inter-company Pricing Agreement with other CH2M HILL subsidiaries, delivers the corporation's full range of services and can pledge the combined experience of all CH2M HILL affiliated companies.	
6c. E-MAIL ADDRESS sirpa.hall@ch2m.com				
8a. FORMER FIRM NAME(S) (If any)			8b. YR. ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL 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			
002	Administrative	3341	4	C07	Coastal Engineering	1
012	Civil Engineer	578	1	C15	Construction Management	1
018	Cost Engineer/Estimator	150	1	E09	Environmental Impact Studies, Assessments or Statements	4
029	Geographic Information System Specialist	109	1	E11	Environmental Planning	1
919	Intern	166	2	E12	Environmental Remediation	1
908	IT Professional	404	1	H01	Harbors; Jetties; Piers, Ship Terminal Facilities	1
901	Operations & Maintenance Personnel	2466	1	H07	Highways; Streets; Airfield Paving; Parking Lots	2
913	Program Manager	249	5	I03	Industrial Waste Treatment	1
915	Project Controls	343	3	S04	Sewage Collection, Treatment and Disposal	1
048	Project Manager	1871	9	S07	Solid Wastes; Incineration; Landfill	1
062	Water Resources Engineer	639	1	S13	Storm Water Handling & Facilities	3
				W02	Water Resources; Hydrology; Ground Water	1
	Other Employees	9142	3	W03	Water Supply; Treatment and Distribution	8
	Total	19458	32			

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
a. Federal Work	1	2. \$10,000 to less than \$250,000	7. \$5 million to less than \$10 million
b. Non-Federal Work	10	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
c. Total Work	10	4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

12. AUTHORIZED REPRESENTATIVE

*The foregoing is a statement of facts.*

a. SIGNATURE



b. DATE

7/1/2017

c. NAME AND TITLE

Sirpa Hall, PE, Senior Business Vice President

# Architect–Engineer Qualifications



1. SOLICITATION NUMBER (If Any)  
RFQ 2017.05.YG

## Part II – General Qualifications


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

2a. FIRM (OR BRANCH OFFICE) NAME CH2M HILL, Fort Lauderdale, FL			3. YEAR ESTABLISHED 1983	4. UNIQUE ENTITY IDENTIFIER 063248207
2b. STREET 550W, Cypress Creek Road			5. OWNERSHIP	
c. CITY Fort Lauderdale	2d. STATE FL	2e. ZIP CODE 33309	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Sirpa Hall, PE, Senior Business Vice President			b. SMALL BUSINESS STATUS	
6b. TELEPHONE NUMBER (954) 513-1560			7. NAME OF FIRM (If block 2a is branch office) CH2M HILL 9191 S. Jamaica St. Englewood, CO 80112-5946 Phone: 303-771-0900 Fax: 720-286-9250  CH2M HILL is a wholly owned subsidiary of CH2M HILL COMPANIES, LTD. which, through its Inter-company Pricing Agreement with other CH2M HILL subsidiaries, delivers the corporation's full range of services and can pledge the combined experience of all CH2M HILL affiliated companies.	
6c. E-MAIL ADDRESS sirpa.hall@ch2m.com				
8a. FORMER FIRM NAME(S) (If any)			8b. YR. ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL 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			
011	Chemist	53	1	A12	Automation; Controls; Instrumentation	2
012	Civil Engineer	578	4	C07	Coastal Engineering	1
016	Construction Manager	520	6	E09	Environmental Impact Studies, Assessments or Statements	1
018	Cost Engineer/Estimator	150	1	E13	Environmental Testing and analysis	1
902	Designer	1138	4	H01	Harbors; Jetties; Piers, Ship Terminal Facilities	2
020	Economist	21	1	H07	Highways; Streets; Airfield Paving; Parking Lots	2
023	Environmental Engineer	346	1	P05	Planning (Community, Regional, Areawide and State)	1
024	Environmental Scientist	455	1	P06	Planning (Site, Installation, and Project)	1
034	Hydrologist	72	1	P13	Public Safety Facilities	1
907	Instrumentation & Controls Engineer	180	1	S04	Sewage Collection, Treatment and Disposal	3
915	Project Controls	343	3	S07	Solid Wastes; Incineration; Landfill	1
048	Project Manager	1871	15	W02	Water Resources; Hydrology; Ground Water	1
057	Structural Engineer	507	1	W03	Water Supply; Treatment and Distribution	7
058	Technician/Analyst	602	5			
060	Transportation Engineer	915	1			
062	Water Resources Engineer	639	1			
	Other Employees	11068	25			
	Total	19458	72			

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

12. AUTHORIZED REPRESENTATIVE <i>The foregoing is a statement of facts.</i>	
a. SIGNATURE  	b. DATE 7/1/2017
c. NAME AND TITLE Sirpa Hall, PE, Senior Business Vice President	



# Architect–Engineer Qualifications



1. SOLICITATION NUMBER (If Any)  
RFQ 2017.05.YG

## Part II – General Qualifications

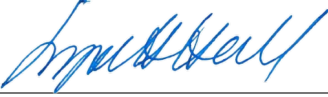
(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME CH2M HILL, Orlando, FL			3. YEAR ESTABLISHED 1985	4. UNIQUE ENTITY IDENTIFIER 063248207
2b. STREET 225 East Robinson Street, Suite 505			5. OWNERSHIP	
c. CITY Orlando			a. TYPE Corporation	
2d. STATE FL	2e. ZIP CODE 32801-4322		b. SMALL BUSINESS STATUS	
6a. POINT OF CONTACT NAME AND TITLE Sirpa Hall, PE, Senior Business Vice President			7. NAME OF FIRM (If block 2a is branch office) CH2M HILL 9191 S. Jamaica St. Englewood, CO 80112-5946 Phone: 303-771-0900 Fax: 720-286-9250	
6b. TELEPHONE NUMBER (954) 513-1560			6c. E-MAIL ADDRESS sirpa.hall@ch2m.com	
8a. FORMER FIRM NAME(S) (If any)			8b. YR. ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL 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			
002	Administrative	3341	20	B02	Bridges	3
007	Biologist	112	1	C13	Computer Facilities; Computer Service	2
014	Computer Programmer	77	3	C15	Construction Management	2
016	Construction Manager	520	2	D04	Design-Build - Preparation of Requests for Proposals	1
902	Designer	1138	2	E09	Environmental Impact Studies, Assessments or Statements	1
023	Environmental Engineer	346	3	E11	Environmental Planning	1
024	Environmental Scientist	455	1	E12	Environmental Remediation	1
027	Foundation/Geotechnical Engineer	296	1	H01	Harbors; Jetties; Piers, Ship Terminal Facilities	4
907	Instrumentation & Controls Engineer	180	1	H07	Highways; Streets; Airfield Paving; Parking Lots	7
908	IT Professional	404	1	I03	Industrial Waste Treatment	1
999	Not Provided	785	5	P05	Planning (Community, Regional, Areawide and State)	1
901	Operations & Maintenance Personnel	2466	3	P06	Planning (Site, Installation, and Project)	4
047	Planner: Urban/Regional	170	3	R03	Railroad; Rapid Transit	6
913	Program Manager	249	5	S01	Safety Engineering; Accident Studies; OSHA Studies	1
915	Project Controls	343	1	S04	Sewage Collection, Treatment and Disposal	1
048	Project Manager	1871	20	S07	Solid Wastes; Incineration; Landfill	6
051	Safety/Occupational Health Engineer	226	1	S09	Structural Design; Special Structures	1
058	Technician/Analyst	602	1	S13	Storm Water Handling & Facilities	1
060	Transportation Engineer	915	8	T03	Traffic & Transportation Engineering	5
062	Water Resources Engineer	639	2	W02	Water Res.; Hydrology; Ground Water	2
				W03	Water Supply; Treat. and Distribution	7
	Other Employees	4323				
	Total	19458	84			

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

12. AUTHORIZED REPRESENTATIVE <i>The foregoing is a statement of facts.</i>	
a. SIGNATURE 	b. DATE 7/1/2017
c. NAME AND TITLE Sirpa Hall, PE, Senior Business Vice President	

# Architect–Engineer Qualifications



1. SOLICITATION NUMBER (If Any)  
RFQ 2017.05.YG

## Part II – General Qualifications

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

2a. FIRM (OR BRANCH OFFICE) NAME CH2M HILL, Naples, FL			3. YEAR ESTABLISHED 2004	4. UNIQUE ENTITY IDENTIFIER 063248207
2b. STREET 5801 Pelican Bay Boulevard, Suite 505			5. OWNERSHIP	
c. CITY Naples	2d. STATE FL	2e. ZIP CODE 34108	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Sirpa Hall, PE, Senior Business Vice President			b. SMALL BUSINESS STATUS	
6b. TELEPHONE NUMBER (954) 513-1560			7. NAME OF FIRM (If block 2a is branch office) CH2M HILL 9191 S. Jamaica St. Englewood, CO 80112-5946 Phone: 303-771-0900 Fax: 720-286-9250  CH2M HILL is a wholly owned subsidiary of CH2M HILL COMPANIES, LTD. which, through its Inter-company Pricing Agreement with other CH2M HILL subsidiaries, delivers the corporation's full range of services and can pledge the combined experience of all CH2M HILL affiliated companies.	
6c. E-MAIL ADDRESS sirpa.hall@ch2m.com				
8a. FORMER FIRM NAME(S) (If any)			8b. YR. ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL 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			
002	Administrative	3327	1	A12	Automation; Controls; Instrumentation	1
012	Civil Engineer	577	1	C11	Community Facilities	1
016	Construction Manager	516	1	D04	Design-Build - Preparation of Requests for Proposals	1
902	Designer	1136	1	E12	Environmental Remediation	1
023	Environmental Engineer	345	2	H07	Highways; Streets; Airfield Paving; Parking Lots	1
999	Not Provided	937	2	L06	Lighting (Exteriors; Streets; Memorials; Athletic Fields, Etc.)	1
048	Project Manager	1863	2	P01	Petroleum Exploration; Refining	1
058	Technician/Analyst	599	1	P05	Planning (Community, Regional, Areawide and State)	1
060	Transportation Engineer	908	1	P06	Planning (Site, Installation, and Project)	1
062	Water Resources Engineer	636	2	S07	Solid Wastes; Incineration; Landfill	1
				S09	Structural Design; Special Structures	1
	Other Employees	8633		T03	Traffic & Transportation Engineering	4
	Total	19477	14	W02	Water Resources; Hydrology; Ground Water	3
				W03	Water Supply; Treatment and Distribution	7

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
a. Federal Work	1	2. \$10,000 to less than \$250,000	7. \$5 million to less than \$10 million
b. Non-Federal Work	7	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
c. Total Work	7	4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

12. AUTHORIZED REPRESENTATIVE

*The foregoing is a statement of facts.*

a. SIGNATURE



b. DATE

7/1/2017

c. NAME AND TITLE

Sirpa Hall, PE, Senior Business Vice President

# Architect–Engineer Qualifications



1. SOLICITATION NUMBER (If Any)  
RFQ 2017.05.YG

## Part II – General Qualifications

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

2a. FIRM (OR BRANCH OFFICE) NAME CH2M HILL, Tampa, FL			3. YEAR ESTABLISHED December 1977	4. UNIQUE ENTITY IDENTIFIER 063248207
2b. STREET 4350 W Cypress Street, Suite 600			5. OWNERSHIP	
c. CITY Tampa			a. TYPE Corporation	
2d. STATE FL	2e. ZIP CODE 33607-4178		b. SMALL BUSINESS STATUS	
6a. POINT OF CONTACT NAME AND TITLE Sirpa Hall, PE, Senior Business Vice President			7. NAME OF FIRM (If block 2a is branch office) CH2M HILL 9191 S. Jamaica St. Englewood, CO 80112-5946 Phone: 303-771-0900 Fax: 720-286-9250	
6b. TELEPHONE NUMBER (954) 513-1560			6c. E-MAIL ADDRESS sirpa.hall@ch2m.com	
8a. FORMER FIRM NAME(S) (If any)			8b. YR. ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL 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			
002	Administrative	3341	15	A06	Airports; Terminals and Hangars; Freight Handling	1
007	Biologist	112	2	A12	Automation; Controls; Instrumentation	1
008	CADD Technician	30	2	C07	Coastal Engineering	2
010	Chemical Engineer	16	1	C13	Computer Facilities; Computer Service	1
012	Civil Engineer	578	3	C15	Construction Management	1
016	Construction Manager	520	4	E01	Ecological & Archeological Investigations	1
018	Cost Engineer/Estimator	150	1	E07	Energy Conservation; New Energy Sources	1
902	Designer	1138	3	E09	Environmental Impact Studies, Assessments or Statements	1
023	Environmental Engineer	346	2	E11	Environmental Planning	2
024	Environmental Scientist	455	2	E12	Environmental Remediation	3
027	Foundation/Geotechnical Engineer	296	2	E13	Environmental Testing and analysis	1
029	Geographic Information System Specialist	109	1	H01	Harbors; Jetties; Piers, Ship Terminal Facilities	1
030	Geologist	158	1	I01	Industrial Buildings; Manufacturing Plants	2
032	Hydraulic Engineer	16	1	I03	Industrial Waste Treatment	2
034	Hydrologist	72	3	M06	Mining & Mineralogy	1
919	Intern	166	2	P05	Planning (Community, Regional, Areawide and State)	1
908	IT Professional	404	2	P06	Planning (Site, Installation, and Project)	1
909	Munitions Response	20	1	P09	Product, Machine Equipment Design	1
999	Not Provided	785	2	P12	Power Generation, Transmission, Distribution	1
047	Planner: Urban/Regional	170	2	R03	Railroad; Rapid Transit	2
915	Project Controls	343	1	R10	Risk analysis	1
048	Project Manager	1871	18			
057	Structural Engineer	507	1			
060	Transportation Engineer	915	5			
062	Water Resources Engineer	639	5			

				R11	Rivers; Canals; Waterways; Flood Control	1
				S04	Sewage Collection, Treatment and Disposal	5
				S13	Storm Water Handling & Facilities	1
				T03	Traffic & Transportation Engineering	1
	Other Employees	6301		V01	Value Analysis; Life-Cycle Costing	1
	Total	19458	82	W02	Water Res.; Hydrology; Ground Water	5
				W03	Water Supply; Treat. and Distribution	8

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

## 12. AUTHORIZED REPRESENTATIVE

*The foregoing is a statement of facts.*

a. SIGNATURE



b. DATE

7/1/2017

c. NAME AND TITLE

Sirpa Hall, PE, Senior Business Vice President

## 1. SOLICITATION NUMBER (If any)

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

[illegible]

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		1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work		2. \$100,00 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work		3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

The foregoing is a statement of facts.

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AUTHORIZED FOR LOCAL REPRODUCTION



# ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (if any)

2017.05.YG

## PART II – GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME

Keith and Associates, Inc.



3. YEAR ESTABLISHED

1998

4. DUNS NUMBER

N/A

2b. STREET

2160 NW 82<sup>nd</sup> Avenue

2c. CITY

Doral

2d. STATE

FL

2e. ZIP CODE

33122

5. OWNERSHIP

a. TYPE

Corporation

b. SMALL BUSINESS STATUS

DBE

6a. POINT OF CONTACT NAME AND TITLE

Adolphine "Dodie" Keith-Lazowick, PLS, President

6b. TELEPHONE NUMBER

954-788-3400

6c. E-MAIL ADDRESS

dkeith@keith-associates.com

7. NAME OF FIRM (if block 2a is a branch office)

N/A

8a. FORMER FIRM NAME(S) (if any)

N/A

8b. YR. ESTABLISHED

N/A

8c. DUNS NUMBER

N/A

### 9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) Firm	(2) Branch			
02	Administrative	9		A06	Airports; Terminals and Hangars	6
08	CADD Technician	6	1	B02	Bridges	2
12	Civil Engineer, PE	7	2	C07	Coastal Engineering	2
15	Construction Inspector	7		C10	Commercial Building (Low Rise)	5
16	Construction Manager	2		C11	Community Facilities	6
29	G.I.S. Specialist	2		C15	Construction Management	6
38	Land Surveyor, PLS	5	1	C16	Construction Surveying	4
39	Landscape Architect, RLA	2		E02	Educational Facilities	4
47	Planner: Urban/Regional	2		F02	Field Houses; Gyms; Stadiums	3
48	Project Manager	6		G04	G.I.S. Services; Development, Analysis	2
53	Scheduler	1		H07	Highways, Streets, Airfield Paving	4
	Landscape Designer	3		H09	Hospitals & Medical Facilities	3
	Project Surveyor	3		I06	Irrigation; Drainage	3
	Survey Field Crew	22	3	L03	Landscape Architecture	5
	Subsurface Utility Engineer	1	1	P05	Planning (Community, Regional ...)	3
	Subsurface Utility Field Crew	6		R03	Railroad; Rapid Transit	3
	Utility Coordinator	3		R04	Recreation Facilities (Parks, Marinas, etc)	4
	VDC/BIM	1	1	S10	Surveying; Platting; Mapping; Flood Study	3
				S13	Storm Water handling & Facilities	3
				T04	Topographic Surveying & Mapping	4
				W03	Water Supply; Treatment & Distribution	2
				Z01	Zoning; Land Use Studies	2
Total		88	9			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS  
(Insert revenue index number shown at right)

a. Federal Work	N/A
b. Non-Federal Work	8
c. Total Work	8

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 |
| 4. \$500,000 to less than \$1 million   | 9. \$25 million to less than \$50 million |
| 5. \$1 million to less than \$2 million | 10. \$50 million or greater               |

### 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE

b. DATE

7/5/17

c. NAME AND TITLE

Eliot Lazowick, Executive Vice President



1. SOLICITATION NUMBER (if any)  
RFQ 2017.05.YG


## PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME <b>Manuel G. Vera &amp; Associates, Inc.</b>			YEAR ESTABLISHED 1977		DUNS NUMBER 032194151	
2b. STREET 13960 SW 47th Street			5. OWNERSHIP			
2c. CITY Miami		2d. STATE Florida	a. TYPE Corporation			
		2e. ZIP CODE 33175	b. SMALL BUSINESS STATUS 541370			
6a. POINT OF CONTACT NAME AND TITLE Manuel G. Vera, Jr., PSM Executive Vice President			7. NAME OF FIRM (If block 2a. is a branch office)			
6b. TELEPHONE NUMBER (305) 221-6210		6c. E-MAIL ADDRESS mverajr@mgvera.com				
8a. FORMER FIRM NAME(S) (If any)			8b. YR ESTABLISHED		8c. DUNS NUMBER	

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			
02	Administrative	6		L02	Land Surveying	6
08	CADD Technician	4				
38	Land Surveyors	6				
58	Technician/Analyst	33				
	Other Employees					
	Total	49				

<b>11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS</b> (Insert revenue index number shown at right)		<b>PROFESSIONAL SERVICES REVENUE INDEX NUMBER</b>	
a. Federal Work	0	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	6	2. \$100,00 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	6	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.	
a. SIGNATURE 	b. DATE July 05, 2017
c. NAME AND TITLE Manuel G. Vera, Jr., PSM      Executive Vice President	

# ARCHITECT ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)  
RFQ 2017.05.YG

## PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME Kisinger Campo & Associates, Corp.			3. YEAR ESTABLISHED 1976	4. DUNS NUMBER 085089126
2b. STREET 201 North Franklin Street, Suite 400			5. OWNERSHIP	
2c. CITY Tampa			a. TYPE Corporation	
2d. STATE Florida			b. SMALL BUSINESS STATUS N/A	
2e. ZIP CODE 33602			7. NAME OF FIRM (If block 2a is a branch office) N/A	
6a. POINT OF CONTACT NAME AND TITLE Deborah Hernández-Cedeño, PE, Roadway Project Engineer				
6b. TELEPHONE NUMBER 813.871.5331	6c. E-MAIL ADDRESS Deborah.Hernandez-Cedeno@kisingercampo.com			
8a. FORMER FIRM NAME(S) (If any) N/A			8b. YR. ESTABLISHED N/A	8c. DUNS NUMBER N/A

### 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			
02	Administrative	24	21	B02	Bridges	6
08	CADD Technician	8	8	E09	Environmental Impact Studies	2
12	Civil Engineer	11	7	G04	Geographic Information Studies	1
14	Computer Programmer	3	3	H07	Highways; Parking Lots	6
15	Construction Inspector	38		S13	Stormwater Handling & Facilities	3
16	Construction Manager	2		T02	Testing & Inspection Services	7
19	Ecologist	6	6	T03	Traffic & Transportation Engineering	1
29	GIS	2	2		Site Design	3
48	Project Manager	3	1			
57	Structural Engineer	17	16			
58	Technician/Analyst	17	7			
60	Transportation Engineer	15	12			
BI	Bridge Inspector	20				
CBI	Certified Bridge Inspector	16				
CD	Civil Designer	4	3			
47	Planner: Urban/Regional	1	1			
<b>Total</b>		<b>187</b>	<b>87</b>			

### 11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)


a. Federal Work	1
b. Non-Federal Work	8
<b>c. Total Work</b>	<b>8</b>

### PROFESSIONAL SERVICES REVENUE INDEX NUMBER

- |   |   |
|---|---|
| 1. Less than \$100,000.                 | 6. \$2 million to less than \$5 million   |
| 2. \$100,00 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 |
| 4. \$500,000 to less than \$1 million   | 9. \$25 million to less than \$50 million |
| 5. \$1 million to less than \$2 million | 10. \$50 million or greater               |

### 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE July 3, 2017
c. NAME AND TITLE Paul G. Foley, PE, President	

# ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

## PART II - GENERAL QUALIFICATIONS

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

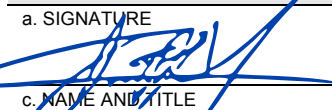
2a. FIRM (OR BRANCH OFFICE) NAME <b>Premiere Design Solutions, Inc.</b>			3. YEAR ESTABLISHED <b>2007</b>	4. DUNS NUMBER <b>938410813</b>
2b. STREET <b>2900 Glades Circle Suite 700</b>			5. OWNERSHIP	
2c. CITY <b>Weston</b>	2d. STATE <b>FL</b>	2e. ZIP CODE <b>33327</b>	a. TYPE <b>S Corporation</b>	
6a. POINT OF CONTACT NAME AND TITLE <b>Luis Jurado- President</b>			b. SMALL BUSINESS STATUS <b>8 (a), DBE , SBE , CBE, MBE, SBA</b>	
6b. TELEPHONE NUMBER <b>954.237.7850</b>		6c. E-MAIL ADDRESS <b>ljurado@pds-eng.com</b>		7. NAME OF FIRM (If block 2a is a branch office) <b>N/A</b>
8a. FORMER FIRM NAME(S) (If any) <b>N/A</b>			8b. YR. ESTABLISHED <b>N/A</b>	8c. DUNS NUMBER <b>N/A</b>

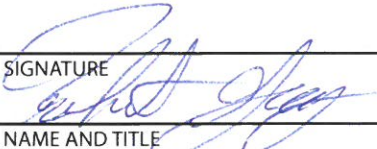
9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	2	1	A05	Airports;	3
06	Architect		1	A12	Automation; Controls; Instrumentation	
07	Biologist			C15	Construction Management	1
08	CADD Technician	2		C18	Cost Estimating	
10	Chemical Engineer			D08	Dredging Studies and Design	
12	Civil Engineer	2		E09	Environmental Impact Studies, etc.	
14	Computer Programmer			E11	Environmental Planning	
15	Construction Inspector			E12	Environmental Remediation	
16	Construction Manager	1		G04	GIS Services	3
18	Cost Engineer / Estimator			H03	Hazardous, Toxic, etc. Remediation	
22	Electronics Engineer			R04	Recreation Facilities	2
23	Environmental Engineer			R11	Rivers; Canals; Waterways	
29	GIS Specialist	1		S04	Sewage Collection, Treatment, etc.	2
34	Hydrologist			S07	Solid Wastes; Incineration; Landfill	
52	Sanitary Engineer			S13	Storm Water Handling & Facilities	2
53	Scheduler			U01	Unexploded Ordnance Remediation	
57	Structural Engineer		1	U02	Urban Renewal; Community Devel.	2
58	Technician	1		W02	Water Res.; Hydrology; Ground Water	1
60	Transportation Engineer	1		W03	Water Supply; Treatment, etc.	1
62	Water Resources Engineer	1			Environ. Management & Compliance	
	Other Employees	1			Information Technology	
Total		12	3		Management Consulting	1

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	1	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	4	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	5	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

## 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE <b>July 5, 2017</b>
c. NAME AND TITLE <b>Luis Jurado - President</b>	

<b>ARCHITECT-ENGINEER QUALIFICATIONS</b>				1. SOLICITATION NUMBER (If Any) 2017.05.YG	
<b>PART II – GENERAL QUALIFICATIONS</b>					
(If a firm has branch offices, complete for each specific branch office seeking work.)					
2a. FIRM (OR BRANCH OFFICE) NAME THE IMAGE NETWORK INC d/b/a Dover Kohl & Partners				3. YEAR ESTABLISHED 1987	4. DUNS NUMBER 194954897
2b. STREET 1571 Sunset Drive				5. OWNERSHIP	
2c. CITY Coral Gables	2d. STATE Florida	2e. ZIP CODE 33143		a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Robert Gray, Business Development Officer				b. SMALL BUSINESS STATUS	
6b. TELEPHONE NUMBER 305-666-0446		6c. E-MAIL ADDRESS <a href="mailto:info@doverkohl.com">info@doverkohl.com</a>		7. NAME OF FIRM (If block 2a is branch office) N/A	
8a. FORMER FIRM NAME(S) (If any) N/A				8b. YR. ESTABLISHED N/A	8c. DUNS NUMBER N/A
9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL REVENUE FOR LAST 5 YEARS	
a. Function Code (see below)	b. Discipline	c. No. of Employees		a. Profile Code	b. Discipline
		(1) FIRM	(2) BRANCH		c. Revenue Index Number (see below)
47	Planner: Urban/Regional	14		P05 P06 Z01	Town Planning for new neighborhoods, creating redevelopment and revitalization master plans, and re-writing zoning ordinances for existing neighborhoods, towns and cities
02	Administrative	3			
<b>Total</b>		17			
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. \$100,00 to less than \$250,000		7. \$5 million to less than \$10 million	
a. Federal Work	0	3. \$250,000 to less than \$500,000		8. \$10 million to less than \$25 million	
b. Non-Federal Work	#6	4. \$500,000 to less than \$1 million		9. \$25 million to less than \$50 million	
c. Total Work	#7	5. \$1 million to less than \$2 million		10. \$50 million or greater	
<b>12. AUTHORIZED REPRESENTATIVE</b> The foregoing is a statement of facts.					
31. SIGNATURE 				32. DATE June 20, 2017	
33. NAME AND TITLE Robert Gray, Business Development Office					

## 1. SOLICITATION NUMBER (If any)

## PART II - GENERAL QUALIFICATIONS

2a FIRM (or Branch Office) NAME

3 YEAR ESTABLISHED

1997

#### 4. UNIQUE ENTITY IDENTIFIER

2b STREET

## 5. OWNERSHIP

a TYPE

Corporation

2c CITY

2d STATE

2e ZIP CODE

FL

33145

b. SMALL BUSINESS STATUS

6a. POINT OF CONTACT NAME AND TITLE

DBE, CSBE

Rafael Garcia-Toledo, President

7 NAME OF FIRM (If Block 2a is a Branch Office)

N/A

6b TELEPHONE NUMBER

6c. E-MAIL ADDRESS	
--------------------	--

305-336-9636

ralphgt1@aol.com

8a. FORMER FIRM NAME(S) (If any)

8b. YEAR ESTABLISHED

D8c. UNIQUE ENTITY IDENTIFIER

N/A

N/A

N/A

#### 10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

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 |
| 4. | \$500,000 to less than \$1 million   | 9.  | \$25 million to less than \$50 million |
| 5. | \$1 million to less than \$2 million | 10. | \$50 million or greater                |

## 12. AUTHORIZED REPRESENTATIVE

*The foregoing is a statement of facts.*

a SIGNATURE

b DATE

July 7, 2017

NAME AND TITLE

Rafael Garcia-Toledo, President





# Minimum Qualification Requirements





# Minimum Qualification Requirements

## Experience providing goods/services similar in scope/size to RFQ

CH2M has been engaged in the engineering business since 1946 and has provided a broad range of services since that time. Relevant to the City's scope as outlined in the RFQ, we have included numerous similar projects performed by CH2M personnel over the last 10 years in Tab I, SF330 Part 1, Section F, Projects, of this submittal.

## Active status with Florida Department of State, Division of Corporation

### State of Florida Department of State

I certify from the records of this office that CH2M HILL ENGINEERS, INC. is a Delaware corporation authorized to transact business in the State of Florida, qualified on January 7, 2004.

The document number of this corporation is F0400000108.

I further certify that said corporation has paid all fees due this office through December 31, 2017, that its most recent annual report/uniform business report was filed on April 10, 2017, 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 Nineteenth day of June, 2017*



*Ken Detmer*  
Secretary of State

Tracking Number: CU369501149

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

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

## Licensed to practice in the State of Florida

### State of Florida Board of Professional Engineers

Attests that  
CH2M Hill Engineers, Inc.

Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

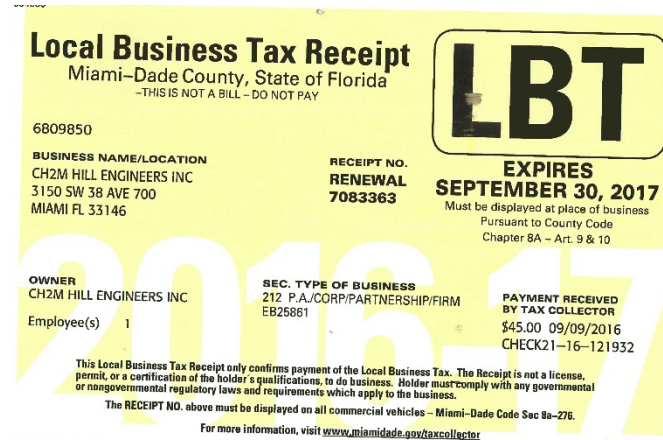
Expiration: 2/28/2019

Audit No: 228201902457 R



CA Lic. No:  
25861

## Occupational license



## Project Manager Experience

CH2M's Project Manager, Alfred Lurigados, is a licensed professional engineer in Florida (PE #58098) with over 20 years of engineering experience. A copy of Alfred's active license is included in Section III, Staffing Plan of this submittal.

Alfred's qualification and relevant experience similar in scope provided to government agencies at the municipal/local government level is documented in Section III, Staffing Plan, and Tab I, SF330 Part I, Section E, Resumes.

## Team Engineers Experience

The table below lists the current licensed engineers assigned to the CH2M team. All team members hold active Florida Professional Engineer licenses, valid through February 2019.

TEAM MEMBER	FIRM	ROLE ON PROJECT	YRS. EXPERIENCE	LICENSE	LICENSE #
Carol Barker, PE	CH2M	Quality Manager	28	PE: FL	53975
Adam Ahmad, PE, AICP	CH2M	Planning - Complete Streets	11	PE: FL	72472
Chad Polk, PE	CH2M	Planning - Safety	15	PE: FL	68024
Ken Wooten, PE	CH2M	Roadway Design	19	PE: FL	58817
Bill Gramer, PE	CH2M	Roadway Design; Complete Streets	30	PE: FL	59090
Jeffrey Gropper, PE	CH2M	Roadway Design	5	PE: FL	80505
Cris Schooley, PE	CH2M	Complete Streets	10	PE: FL	74018
Tom Ross, PE	CH2M	Traffic Data/Analysis	24	PE: FL	48205
DeeAngela Tjikueni, PE	CH2M	Traffic Data/Analysis	19	PE: FL	68301
Deborah Hernandez-Cedeno, PE	KCA	Roadway Design	12	PE: FL	74754
Gustavo Eckardt, PE	PDS	Project Mgmt.; Construction Mgmt.	15	PE: FL	67553
Juan Calderon, PE	Caltran	Traffic Data/Analysis	18	PE: FL	58569
Jeannelia Liu, PE	Caltran	Traffic Data/Analysis	21	PE: FL	57565

## State of Florida and/or County Certified Small Business or Minority Business Enterprise

CH2M is not a SBE or MBE/DBE firm, however we have a proven background of teaming with State of Florida SBE or MBE/DBE firms. For this contract, our subconsultant team members, Kisinger Campo & Associates, Premiere Design Solutions, Inc., and G-T Construction Group, Inc. are MBE/DBE certified by the State of Florida.



## Section II

# Proposer's Qualifications

### CH2M Background and History

CH2M is a global engineering and project delivery company partnering with public and private clients to tackle the world's most complex infrastructure and natural resource challenges. The firm's work is concentrated in the water, transportation, energy, environment, and industrial markets. Ranked among the World's Most Ethical Companies and top firms in environmental consulting and program management, CH2M in 2016 became the first professional services firm honored with the World Environment Center Gold Medal Award for efforts advancing sustainable development.

CH2M has gross revenues of \$5.2 billion (2016), has 20,000 employees and is a specialist in engineering design and program, construction, and operations management. We have long been recognized as an industry-leading transportation design and construction management firm as ranked by Engineering News-Record (2016).

CH2M was founded in 1946 in Corvallis, Oregon, and incorporated July 12, 1951 in Florida. We have been doing business under this firm name for 46 years. CH2M HILL Engineers, Inc., one of CH2M's legal entities, was incorporated November 26, 2003 in the state of Delaware and has been doing business under that name for over 13 years.

Our Florida operations consist of over 750 staff members operating from 11 offices, including an office at 3150 SW 38 Ave, Suite 700, Miami, FL, 33146, one block from the City's limits. CH2M's proposed Project Manager, Alfred Lurigados, and several key team personnel will serve the City of Coral Gables from this office. In addition, the majority of our subconsultant partners are based in the Miami/Coral Gables area.

### Sustainability Culture at CH2M

As a sustainability thought leader, CH2M has developed industry standards around Context Sensitive Solutions (CSS), and sustainability performance metrics for roadway design and construction with Greenroads. We have been pioneers in the planning and implementation of Great Streets, Complete Streets, and multimodal transportation solutions, and we are an industry leader in environmental science, planning, economic, and engineering services.

### Sustainable Design

CH2M is at the forefront of the industry in developing best practices and standards for sustainable roads and bridges. Many strategies exist that when combined, can effectively and successfully achieve a more sustainable end product. Approaching road and bridge design and construction from a different angle — one that uses a holistic (systems-thinking) perspective - can make a positive contribution to the environmental, social, and economic sustainability of communities.

Sustainability is not just about climate variation, energy, water, or any other single issue. It is a balance among interconnected issues, including social and economic considerations. CH2M focuses on using fewer natural resources and decreasing carbon footprints while being attentive to safety, cost, quality, and the immediate and future benefits for our clients and their communities.

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## CH2M Relevant Expertise and Experience

### Permitting

The CH2M team is prepared to review any environmental impacts for any task. For Miami-Dade County, we are familiar with Environmental Resource Permits, General Permits, and Class III permits, as our team has worked on all of them. As needed, the team is also familiar with South Florida Water Management District Right of Way Occupancy Permits. With regards to multiple jurisdictions, the team understands working with Florida Department of Transportation, Miami-Dade County and any adjacent jurisdictions (i.e., City of Miami) for any project we are tasked with.

### Project Coordination

Every project that the CH2M team works on deals with multiple disciplines and sub-consultants. For example, for the Florida Department of Transportation, CH2M and Caltran are working hand in hand on a traffic analysis project to successfully deliver traffic flow and multimodal improvements east of Miami International Airport. The key to working with all sub-consultants is communication within the team to deliver products, as well as ensuring quality assurance and quality control are met within the schedules.

### Safety

CH2M has roughly 50 full time safety engineers who work in every aspect of safety, including policy development; proactive methodologies (HSM predictive, systemic safety analysis); strategic highway safety planning, programming and implementation; Highway Safety Manual implementation; pedestrian and bicycle safety plans and implementation; road safety audits/assessments; safety training; and highway safety research. As part of a County Road Safety Plan project for the Minnesota Department of Transportation (MnDOT), we developed County Road Safety Plans for all 87 counties in the state. The conclusions in these reports were guided by a systemic safety analysis. In the 3 years following widespread deployment of the recommended projects in the reports, there was a 26% reduction in severe crashes on the Minnesota County Road system. MnDOT won the FHWA Program Planning, Development and Evaluation award based on the results of this project. In addition, CH2M has worked with state DOT agencies to update their design criteria manuals/standards as a proactive measure to achieve target safety performance levels. We have developed Safety Performance Functions (SPFs) and Crash Modification Factors (CMFs) for clients using Highway Safety Manual methodologies. For example, we developed a CMF for the Missouri Department of Transportation (MoDOT) that measured the effectiveness of the combined treatments of 2 foot shoulders, rumble stripes, and resurfacing. This CMF is now an approved CMF in the FHWA CMF Clearinghouse website. The CMF for this combination of treatments predicts a 45% reduction in fatal crashes, a 12% reduction in serious injuries, and a 24% reduction in minor injuries when these combined treatments are implemented on a rural typical section.

## Greenroads



CH2M partnered with the University of Washington to develop a sustainability performance metric

and best practices program for roadway design and construction.

Greenroads describes a particular sustainable practice and assigns a point value according to its impact on roadway sustainability. There are 11 project requirements that must be met in order for a roadway to be considered a Greenroad, including such items as noise mitigation, low-impact drainage solutions, storm water management, and waste management planning. There are also 118 “voluntary credits” under Greenroads that a project team can choose to pursue, such as providing scenic views, using recycled materials, incorporating quiet pavement, and accommodating non-motorized transportation.

The points associated with the voluntary credits that are achieved are added together to give a final Greenroads score. The more points, the higher the certification level. At present, the University of Washington and CH2M offer the evaluation tool for voluntary application.



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## Traffic Calming

According to NHTSA in 2012, almost three-fourths (73%) of pedestrian fatalities occurred in an urban setting versus a rural setting. Over two-thirds (70%) of pedestrian fatalities occurred at non-intersections versus at intersections. Eighty-nine percent of pedestrian fatalities occurred during normal weather conditions. The CH2M team has been among the industry leaders in the implementation of effective traffic calming measures, applying industry innovative solutions along with known best-practices, following modern safety strategies for roadway designs and multimodal transportation planning, and working with communities and public organizations in the analysis and subsequent modification of streets, traffic signs, residential areas, cross sections by increasing safety and decreasing the severity of potential injury in traffic crashes, and creating a more equitable balance among the transportation modes by strategically implementing traffic circles, semi-circles chicanes, curb extensions (chokers, chicanes), pavement legends, radar speed signs, speed cameras, raised intersections, center island narrowing, speed tables, humps and bumps, full and partial diverters, closures (dead ends) and selective traffic enforcement.

## Complete Streets/Road Diet

CH2M understands the current trend in shifting away from auto-oriented streets to the creation of ones that promote a balanced use by all road users, with an emphasis on pedestrians, bicycles, and transit modes. CH2M has developed destination and mobility types of Complete Streets. In mobility streets, we encourage slow traffic speeds and emphasize pedestrian and bicycle modes of transportation by creating curbside parking, transit stations, green spaces, reduced lane widths, and discouraging congestion. In destination streets, we create wider dedicated areas to accommodate high volumes of pedestrians and bicyclists, minimize road user conflicts, and emphasize the usage of transit modes to get from point A to B in a convenient way.

## Design Exceptions

Reduction of lane widths goes hand in hand with traffic calming and safety for the bicycle and pedestrian users. As the engineering industry moves to the future of roadway design, partnering with the entities that drive the standards in design is imperative. FDOT recently launched a Complete Streets Handbook and as these standards are implemented, more and more examples of how these transformative roadways come online, exceptions and variations may become more and more limited, however, engineering designers must take these opportunities and limit them to a case by case basis.

## Recent Project Experience

Representative Florida and national projects that our team has completed, including projects which highlight CSS, can be found in Tab I, SF330, Part 1 - Section F.





## Section III Staffing Plan

### Organizational Chart

The CH2M team members were selected on the basis of their knowledge and familiarity of regional conditions, their reputation for delivering quality service, their recent, relevant experience working on similar projects, and their availability for work assigned under this contract. The diversity and depth of our team, shown in **Exhibit III-1, Team Organizational Chart** on the following page, make it possible for us to respond quickly and completely to the wide range of tasks that may be assigned under this contract.

CH2M's team is prepared to deliver on its promise of providing the City with efficient, coordinated services for any tasks assigned to us. Our team consists of seven subconsultant firms, each with a strong track record of successful project delivery in Florida, bringing to this project familiarity with best value methods of project delivery and standards for quality. Just as important, the individual members of our project team have the technical expertise and the professional experience on similar projects which will allow our team to be efficient in addressing key challenges affecting project success.

### Subconsultant Team Members



**Caltran Engineering Group, Inc. (CALTRAN)** is a consulting firm with core services in the areas of Traffic and Transportation Engineering, Transportation Planning, Roadway Design, and Data Collection. CALTRAN has a highly qualified group of professionals with extensive experience in projects for Southeast Florida clients, including Miami-Dade County, the Miami Dade Expressway, the City of Miami Beach, and the Florida Department of Transportation (FDOT), as well as multiple private clients throughout the State of Florida.

CALTRAN is a consulting firm with a strong background in traffic and transportation engineering services with experience in FDOT projects, utilizing state of the art technology applications to develop the best traffic and transportation solutions available. Services include Traffic Studies, Traffic Impact Analysis (TIS), Parking Studies, Intersection and Arterial Analysis, Simulation, Safety Memorandums, Speed Zone Studies, Traffic Calming Studies, and Pedestrian and Bicycles.



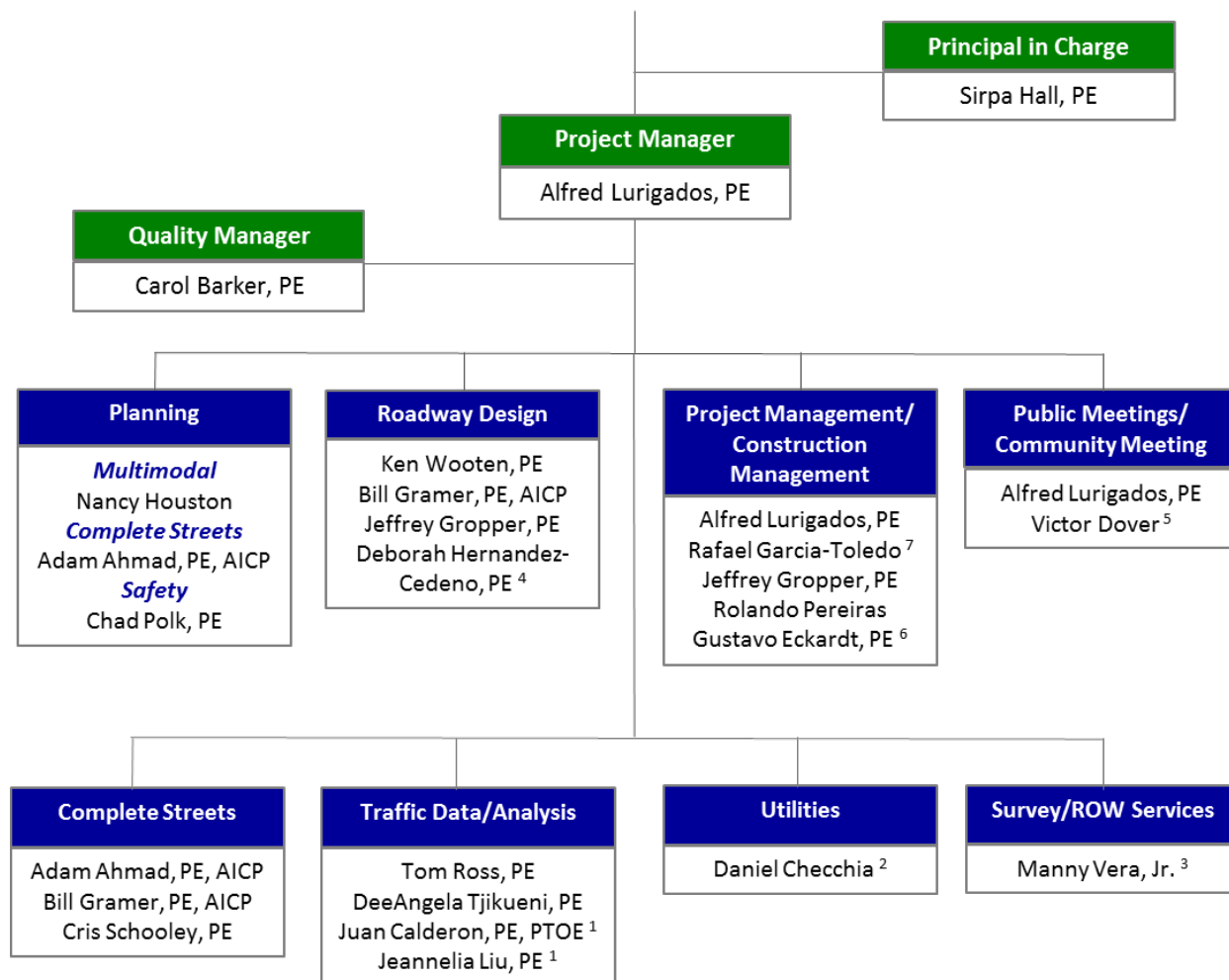
**Keith & Associates**, established in 1998, started as a "boutique" firm offering civil engineering and surveying services, through a specialized, personal approach, getting to know each client individually. Through the years, the firm has grown to provide additional services with more than eighty employees in three offices state-wide, including one in Miami-Dade County. Keith and Associates continues to embrace the opportunity to work closely with clients, striving to establish successful relationships, while offering unparalleled expertise in civil engineering, surveying, planning, landscape architecture, SUE and construction management. The firm has kept abreast of industry developments in LEED and BIM and have even developed an innovative approach to incorporating 3D laser scanning with BIM Civil 3D.



**Manuel G. Vera & Associates Inc. (MGV)** is qualified as DBE, SBE, MBE and CBE. The main (Corporate) office is located in Miami-Dade County. MGV was established in Miami-Dade County in 1977. Since then, survey and mapping is what the firm specializes in and is all they do. In over 40 years of existence,

## EXHIBIT III-1

### Team Organizational Chart



#### Subconsultants

- 1 Caltran Engineering Group, Inc.
- 2 Keith & Associates
- 3 MG Vera and Associates
- 4 Kisinger Campo & Associates, Inc. (KCA)
- 5 Dover Kohl & Partners
- 6 Premiere Design Solutions (PDS)
- 7 G-T Construction Group, Inc.

there has not been a survey task, terrain, or problem they have not seen. MGV is a unique firm in that it has the capability and technology of our competitors, but their principles are patterned by a family business with a service oriented and sound quality control ideology. This ideology is the foundation for the firm, and the reason MGV is revered as one of the premier survey firms in South Florida. It is one of the main reasons the firm has maintained an excellent rating from past and present contracts. MGV will always perform projects to their client's specifications, by meeting and exceeding standards and expectations. Therefore, MGV supports, as a subconsultant, hundreds of Engineering and Construction firms throughout the State of Florida.





**Kisinger Campo & Associates, Inc. (KCA)** is a multidisciplinary engineering firm that has served the transportation industry for 40 years. The firm has steadily transformed from a three-person firm into an organization consistently listed on Engineering News-Record's Top 500 Engineering Firms nationwide. KCA and its affiliates has more than 240 employees, including 50 PEs. KCA began as, and remains, a minority-owned business and is a certified MBE with the State of Florida. KCA's roadway services encompass all aspects of preliminary engineering and design for highways, bridges, and traffic projects such as the preparation of feasibility studies, corridor studies, traffic studies, traffic signal designs, highway lighting, Intelligent Transportations Systems (ITS), traffic control, maintenance of traffic (MOT), signing and pavement marking (S&PM), and regulatory permitting. We have a successful history of delivering roadway projects ranging in complexity from minor roadway and intersection designs to the most complex interchange systems. Project types include arterial highway design, intersection capacity improvements, limited access highway design, multi-use trails, RRR, safety enhancements, and multi-modal/Complete Streets improvements.



**Dover Kohl & Partners** was founded in 1987. Their expertise lies in balancing the visionary 'civic art' of planning with the practical consensus building needed to make projects succeed. The firm is trained in the principles of sustainable town planning, and have perfected techniques for documenting and understanding local traditions in building to enhance each community's sense of place.

Dover Kohl plans and codes focus on smart growth, sustainability, and emphasizing that there does not have to be a trade-off between livability, economic prosperity, and environmental concerns. Victor Dover and Joseph Kohl are charter members of the Congress for the New Urbanism and have worked for many public agencies, developers, and citizen groups to create appropriate methods of land development regulations. Victor Dover served on the LEED for Neighborhood Development Core Committee, and the Congress for the New Urbanism Board; both Joseph and Victor are founding members and on the Board of the Form-Based Codes Institute. The firm has produced and facilitated over 200 charrettes during the last decade.



**Premiere Design Solutions (PDS)** is a local minority firm, established as a Florida Corporation in Broward County on June 19, 2007 with headquarters in Broward County, and offices in Miami and South Carolina, licensed and certified to do business in the State of Florida.

PDS is licensed and Technically Qualified to perform Civil Engineering, Land Surveying and Construction Management services. The firm has extensive experience in the topographic surveying and engineering design of pedestrian facilities, as one of our strongest sectors is transit and land development, both, having strong emphasis on pedestrian use. PDS has designed improvements to sidewalks and transit bus stops at over 1,000 locations in south Florida, surveying and designing ADA compliant sidewalks, walkways, landing pads, waiting areas, and bus shelters. PDS has also been involved in the peer review and verification of design documents for a new Miami-Dade Transit pedestrian bridge near the University of Miami in Coral Gables.



**G-T Construction Group, Inc.** is a Florida corporation founded in January 1997. G-T is a certified general contractor. G-T is also a certified small business enterprise (CSBE) and a disadvantage business enterprise (DBE) by Miami-Dade County and by the State of Florida respectively. The company has extensive experience in large projects including Miami International Airport's "MIA-Mover", Miami-Dade Transit's Metrorail "Orange Line"/MIC

Earlington Heights Connection, Miami Performing Arts Center, American Airlines Arena and FIU football stadium. G-T offers a full spectrum of construction services related to public and private projects. G-T has been serving an increasing number of Public Agencies and Special Districts throughout Florida since 1997. The Company has broad-based Public sector expertise and is a valid resource for clients and projects. G-T has an experienced and highly qualified professional construction staff, skilled in bidding, managing and supervising all aspects of construction. Its strong background in the public sector gives a special insight into delivering projects according to plans and specifications on time and on budget.

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## Key Personnel Qualifications & Resumes

**Exhibit III-1**, Team Organizational Chart, on page III-2 of this section, shows the group of experienced professionals CH2M is committing to the City's project. Our team members bring the appropriate skills and relevant background and knowledge to implement this project in the most efficient, effective way possible.

Resumes for the CH2M team members that will be assigned to the City's project, including subconsultants, can be found in Tab 1, SF330 Part 1, Section E of this submittal.

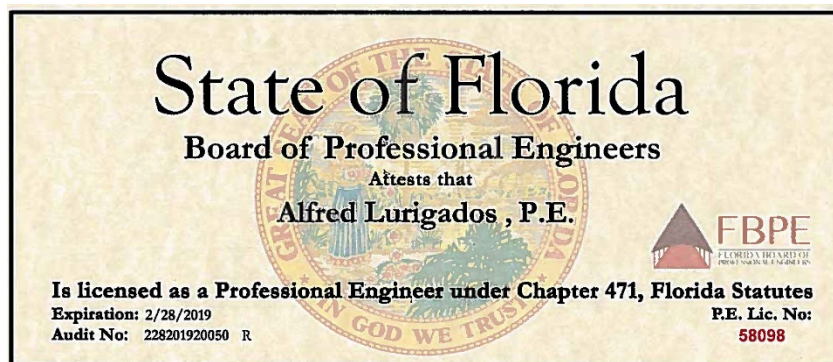


**Alfred Lurigados, PE** will serve as Project Manager for all tasks assigned under the City's contract. Based in CH2M's Miami, FL office, Alfred has over 20 years of experience in Project Management and administration of transportation projects in Southeast Florida. He has been involved in managing all disciplines of projects from planning, PD&E, design, design-build, construction and maintenance of transportation infrastructure for Miami-Dade Expressway Authority (MDX), Florida Department of Transportation (FDOT), Miami-Dade County and Florida East Coast Industries.

With MDX, he has participated actively in preliminary engineering reports, design projects, planning, and development of alternatives, conceptual designs, corridor studies, as well as, managing or directing projects into the MDX 5-year work program from concept through execution. He worked diligently to deliver close to \$1 Billion in transportation projects within the MDX 5-year Work Program between 2004 and 2013, including delivery of the SR 836 Extension high speed Open Road Tolling (ORT) Project from planning through to construction. He worked on the first project concept in 2000 through 2003, and ultimately saw through construction and opening of the expressway extension. In his role as Director of Engineering at MDX, Alfred worked hand in hand with all staff to report to the MDX Board, all key stakeholders, including the general public, as well as plans review, all technical design decisions and project implementation strategies.

## Key Personnel Licenses/Certifications

CH2M's Project Manager and key personnel hold the appropriate licenses/certifications to perform all potential services under the City's RFQ. A copy of the license for our Project Manager, Alfred Lurigados, can be found below. The table on the following page shows the active license numbers for our FL-licensed team members, as well as their years of relevant experience.



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The CH2M Team's Engineers hold active engineering registration in the State of Florida

TEAM MEMBER	FIRM	ROLE ON PROJECT	YRS. EXP.	LICENSE	LICENSE #
Carol Barker, PE	CH2M	Quality Manager	28	PE: FL	53975
Adam Ahmad, PE, AICP	CH2M	Planning - Complete Streets	11	PE: FL	72472
Chad Polk, PE	CH2M	Planning - Safety	15	PE: FL	68024
Ken Wooten, PE	CH2M	Roadway Design	19	PE: FL	58817
Bill Gramer, PE	CH2M	Roadway Design; Complete Streets	30	PE: FL	59090
Jeffrey Gropper, PE	CH2M	Roadway Design	5	PE: FL	80505
Cris Schooley, PE	CH2M	Complete Streets	10	PE: FL	74018
Tom Ross, PE	CH2M	Traffic Data/Analysis	24	PE: FL	48205
DeeAngela Tjikueni, PE	CH2M	Traffic Data/Analysis	19	PE: FL	68301
Deborah Hernandez-Cedeno, PE	KCA	Roadway Design	12	PE: FL	74754
Gustavo Eckardt, PE	PDS	Project Mgmt.; Construction Mgmt.	15	PE: FL	67553
Juan Calderon, PE	Caltran	Traffic Data/Analysis	18	PE: FL	58569
Jeannelia Liu, PE	Caltran	Traffic Data/Analysis	21	PE: FL	57565

**Note:** PE - Professional Engineer





## Section IV

# Project Control Experience

### CH2M Approach and Methodology

The CH2M team can provide general engineering services for all aspects of a transportation system with an integrated approach. Signals, markings, and channelization; pedestrian safety; drainage; resurfacing; sidewalk enhancements; and landscape placement, etc. all need to be looked at holistically to achieve different results. Reviewing data and learning from that data can provide that result that the City seeks for achieving less dependency on the automobile. Bicycles and pedestrian safety cannot be an afterthought; it needs to be centered in the design for safety to be the priority. Examples like drainage inlet placement, pedestrian channelization in heavy right turn lanes, length of crosswalk timing, and clear bike lane or shared use markings all make a massive difference in driver behavior and how the user feels from a safety perspective. This is even more important as connected and autonomous vehicles enter the streets. Our team is ready to handle all tasks with a fresh and distinct approach, providing solutions that will meet the City's goals.

The CH2M team will provide the City with expert transit and transportation staff that can assist with all facets of mobility, from a Complete Streets approach to daily wayfinding and common sense approach to place-making. CH2M's Project Manager, Alfred Lurigados, a Board member of the Friends of the Underline, brings to the City a unique approach to a new horizon to provide the City with viable bicycling, walking, and transit solutions. Alfred is the former Project Director for the Ludlam Trail at Florida East Coast Industries and, as an avid runner and cyclist, can provide the City with unique perspectives on "pop-up" strategies, events, and ways to get residents and visitors alike excited about new mobility solutions. The best way to change mobility options is to allow people to try it. People are creatures of habit and sometimes all they need is a little nudge in a different direction to see something differently and try new things, like abandoning their car. Alfred can provide a public interface for critical projects seeking modern implementations and positive changes in the communities. Additionally, the CH2M team has transit experts that can provide best practices from around the globe that can be easily applied through feasibility studies. We are here to serve and provide solutions that make a difference.

### CH2M will Serve as a True Partner to the City

#### Innovative interaction and communication with the community, City staff, and multiple stakeholders

It is very important in today's public process to listen to the public, focus on what the problem is, and then engage various solutions. In this day and age of social media and technology, it is very easy to get input from the public in a positive way and seek positive input rather than negative feedback that does not help the process. We know how to work in a more, *Would you like to see...?* rather than a *what would you like to see?* By doing so, CH2M can positively steer the conversation to results rather than negative feedback. The goal is to improve multimodal uses and safety, as well as finding ways to get people to try something new.

#### CH2M's intent to positively and innovatively work with the City

Positive citizen engagement is how positive results can be measured. For example, data collection is key to resolving issues on what we are trying to fix. Typically, the focus on roadways is to upgrade capacity for more vehicles, installing traditional crosswalks, and using existing design standards. However, the better approach

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now is to distinguish between mobility streets and destination streets from a holistic view. Where are vehicles that are trying to get to parking garages being routed to? Where are the pedestrians that are trying to be safe and cooler walking through? What is the “desire-line” that bicycles and pedestrians use? A desire-line or path is a path created as a consequence of erosion caused by foot-fall or traffic. The path usually represents the shortest or most easily navigated route between an origin and destination. Taking all of that into account, the team needs to review who lives where, who works in the given area, and who is affected. Again, if a holistic approach is not considered, the result is a very upset neighbor that felt that he or she was not listened to. Lastly, working with technology by using easily available data, including streetlight data that yields origin and destination of vehicular cut-through traffic, as well as cameras and speed sensors to get a picture of what is happening in certain areas, facilitates the design of a project that yields positive solutions. Typically, only a couple of days’ worth of data is all you need to come up with options that can be discussed. This results in an inclusive and innovative approach to studies that do not just take the traditional approach to the problem, but review a more multimodal approach to congestion and safety issues.

### CH2M’s commitment to represent the City on short notice at meetings with the community, City staff, or Commission

The CH2M team is committed to the City on this assignment for various reasons. First and foremost, we live, work, and play here. We realize as a team that it is very important to be present at the myriad of various meetings that take place weekly. Sometimes a Commission meeting is taking place at the same time as a bicycle club gathering, or a homeowner’s association meeting, or even a social event in response to an issue. The team will be prepared to handle the “divide and conquer” approach to listen, take notes, and report back as needed to the City. At City functions, the team will be prepared to answer any technical questions that the policy makers have. We understand our role as technical advisors to the City. As the Director of Engineering to the Miami-Dade Expressway Authority and the Project Manager for this assignment, Alfred Lurigados thoroughly understands the importance of listening to what the Board Members are asking, and providing answers on a technical approach. Also, it is very important and it cannot be understated, that sometimes it is OK to say we don’t have the answer right now and we will get back to you. The CH2M team stands ready to be by the side of the City as a partner and technical advisor. Lastly, should the CH2M team be awarded the contract, we would place all official City meetings in the calendar so that we are always aware and prepared in the event that the team is called into action.

### Multi-phase Design and Constructability

Once a project has been moved from the concept and has the support and need to move ahead, it is important to review all aspects of the project delivery. The CH2M team completely understands this process and will thoroughly review budgets, permits, utilities, maintenance of traffic, stakeholders, and market conditions. By understanding these factors, the team can discuss several potential delivery options - a design-build approach, a conventional design-bid-build approach, or even a “wait until a certain time of year or another project to come along” to allow the City to “piggyback” and save time and money. Sometimes a school is impacted, so time of year for the letting is important. At times, 4 or 5 larger projects are being advertised together and the market will lead to higher bids which can impact the delivery of the project. All these factors need to be considered to make the optimal business decision for the City.

### Schedule, Cost, and Quality Control

The most important aspect of putting together the schedule for any task or project is the tie-in of the sequence of events. It is imperative to accommodate quality control review times internally and with the City and to build in City policy dates like commission approvals and public meetings. Failing to incorporate any of these aspects will lead to an incomplete schedule. The CH2M team always incorporates an earned value analysis for tracking to ensure if, for example, the project is 50% through on schedule time, the product and budget also matches that percentage.



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Our Quality Assurance/Quality Control (QA/QC) approach contains four (4) layers of review:

1. Self-check by team-member originating the work under a task.
2. “Sanity check” and second-tier review by a dedicated internal team member for data anomalies and consistency. Specific reviewers will be identified in the QA/QC forms for various tasks.
3. Approval of sub-tasks by an identified manager; typically, the Project Manager.
4. Responsibility for “Final Approval” of deliverables resides with the Project Manager.

Our QC procedures are perhaps the most fundamental to our Quality Plan. Quality reviews will be planned and organized in advance for specific deliverables. We will ensure that appropriate reviewers are assigned and will audit the project to verify that reviews have been completed according to this plan.

### Community and Stakeholder Involvement

Alfred Lurigados successfully worked on a project while at Florida East Coast Industries that had considerable public opposition, and worked closely with all stakeholders to turn the Ludlam Trail project into one that received complete community support. Building consensus involved listening to all parties and working towards acceptable solutions within the timeline of a Comprehensive Development Master Plan process of Miami-Dade County, including public hearings, advisory boards, and the Board of County Commission. Having the trust and personal approach to listen, develop solutions, and focus on reaching goals is imperative in any project manager, especially when it comes to controversial or lightning rod type projects.

### Multimodal Level of Service

Public transportation systems, valued as some of the most equitable and sustainable modes of transportation, connect communities and help stimulate economic development. Expanding these complex systems and adding more advanced solutions to meet public demand can be an intricate, high-intensity ride. Within the City, we would review with the team the implementation of technology innovations, ensuring safety and security or maintaining nodes. The CH2M team has experience in serving all aspects of trolley, light rail, metros/urban transit, commuter rail, high-speed rail, bus rapid transit, freight rail and intermodal facilities. CH2M is poised to work with the City on any multimodal task, from wayfinding to transit stops, safety improvements along any corridor or location, and increasing mobility through a cohesive blending of all modes of transportation.

CH2M has expertise in a broad range of services that will bring value to the City in meeting its goals. These include:

- Management consulting
- Sustainability planning
- Intermodal facilities
- Safety and security
- Program and construction management
- Feasibility studies
- Environmental documentation
- Transit engineering design
- Intelligent transportation systems
- Simulation Modeling

### Sustainable Design

CH2M understands how to develop multimodal transportation systems in an environmentally responsible manner. Our world-class experience—both in South Florida and around the globe—provides the local knowledge and industry leadership that are essential for developing the infrastructure that will serve the City reliably and cost-effectively for many years to come. CH2M also has in-house experts who are familiar with various local South Florida sustainability and resilience initiatives. We have recent, relevant experience in this area and will assist the City in evaluation of vulnerabilities and development of new policies to enhance the City’s resilience to climate hazards.



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CH2M has played a leading role in integrating guidelines from the Southeast Florida Climate Change Compact into public asset management and capital investment programs for local municipal clients, including Miami-Dade County. We were also recently selected to assist the City of Miami Beach advance the resilience and overall performance of their water and wastewater utilities, which will evaluate effects of climate hazards and incorporate a robust decision support analysis approach encompassing economic, environmental, and social benefits to inform project selection and prioritization.

### Consultant Coordination

All assignments must be well-coordinated from the start. Coordination of any design, study, planning or supervision effort with the City, Review Boards, Officials, concerned regulatory agencies, utilities, developers and the public is essential for a successful delivery of any assignment. Effective coordination is the key to avoiding delays and completing the project within an aggressive timeframe.

Since all key project issues are interrelated, it is important to coordinate the development of workable solutions to address all design and planning elements, including interfacing between the CH2M team, the City, adjacent projects, affected utilities, permitting agencies, and the public.

Coordination for any given assignment will consist of the following three components:

1. Effective evaluation and project planning.
2. Effective communication to inform stakeholders of project status.
3. Effective and accurate record keeping and filing of decisions.

Alfred Lurigados, CH2M's Project Manager, will serve as the single point of contact. Alfred will ensure that the City is informed about all important project matters. Although project issues are usually discussed daily, either in person or over the phone, Alfred can provide the City's Project Manager with a monthly progress report showing the following types of information:

- Summary of activities conducted during the reporting month.
- Schedule update based on our MS Project schedule (a PDF will also be provided for those without MS Project).
- Identification of problem issues and proposed resolution.
- Project activities schedule for upcoming month.
- Coordination with Agencies, Officials, and other groups.

### Traffic Calming Design

The first key step to calm traffic is to assess and understand what is happening in the specific project area. For example, are vehicles cutting through a quiet neighborhood in the mornings and after work? Is there less traffic congestion through a certain area and, therefore, vehicles are speeding? Is there a heavy presence of bikes and pedestrians conflicting with turning movements? Speed limits, lane widths, roundabouts, traffic signal timing, 4-way stops, one-way roadways, left or right turn time of day restrictions, as well as new technology ideas are all potential methods that can be used to calm traffic. Once the current situation is thoroughly evaluated, viable solutions can be explored and recommendations made to the City.

One possible option for traffic calming is the use of Waze apps. Many municipalities have been seeking ways to combat Waze app traffic cut-through in neighborhoods. As long as routes are public roads, the app balances the traffic to ease issues for its users. Time of day restrictions and one-way techniques can be discussed as potential solutions to traffic congestion areas.

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## Key Personnel Current and Projected Workload

Due to the nature of a task order contract, with no definitive task start date or duration, it is difficult to project with any reliable accuracy our team members' workload and/or % available when a future task may be assigned. CH2M has a long history of working under task order/on-call/general engineering type contracts in the State of Florida, including the City of Miami, Beach, Miami-Dade County, City of Ft. Lauderdale, City of Key West, and Florida Department of Transportation. Our project delivery process for these types of contract has been fine-tuned and successfully managed to the satisfaction of our clients. Proof of our capacity and commitment to make staff with the right skillset available whenever a task is assigned is the fact that nearly 80% of our current business is with repeat clients.

For all tasks assigned by the City under this contract, CH2M **Project Manager, Alfred Lurigados** will be primary contact with both the City and the CH2M team members, including subconsultants. He will be the critical link in coordinating and managing all aspects of the task, from initial assignment of staff to scope refinement and fee negotiation to task implementation and successful completion. Alfred joined CH2M in 2016 and is working to build a local transportation practice; this effort results in a **core team (including team members Rolando Pereiras and Jeffrey Gropper)** based in our Miami office that is eager to develop local relationships and has the capacity to be responsive to the needs of the City on any tasks. This type of "on-call" contract is the perfect way to demonstrate to City staff that the CH2M team can deliver to meet your needs for each task assigned. Currently, Alfred has over 75% availability, with over 80% projected availability over the next 12 months. Rolando currently has 90% availability and is projected to have 75% availability over the next 6 months. Jeffrey is currently 60% available and is projected to have 60% availability until the beginning of 2018.

Our team's **support personnel** will assist Alfred and provided specialized services based on the individual needs of the task assigned. To ensure the availability of appropriately skilled support personnel at any given time throughout the duration of this contract, CH2M has added redundancy of personnel to those disciplines that will most likely be required for the potentials tasks listed in the RFQ. As shown in our organization chart in Tab I, SF330 Part I, Sec. D, we have assigned numerous qualified team members to each discipline so that one member's workload/availability will never impact our schedule. This can ensure the City that when a task is assigned, the CH2M team will have the depth of staff to draw upon to facilitate timely implementation and on time completion. In addition to the resources assigned to this team, CH2M has a broad range of multi-disciplined staff located throughout Florida (750 in 11 offices in the state), and nearly 20,000 worldwide, any of which can be made available to the City, if required, to meet time and budget requirements for a task.

### Approach for Timely Project Delivery

When a task is assigned, Project Manager, Alfred Lurigados, will work with the City to refine the scope and assign the appropriate team members to the task. For each task, a schedule with critical deadlines will be developed early on and implemented with input from the City. Changes to the schedule will be vetted internally as well as with the City and stakeholders, and change logs will be maintained with detailed documentation of related decisions. In the unlikely event of schedule slippage, depending on the task, mitigation measures such as shorter QA/QC windows, parallel sub-tasks and accelerated design schedules will be considered. Since every task is different, Alfred would work directly with the City's Project Manager to develop a mitigation schedule that meets the needs of the City prior to finalizing the mitigation so that no further time is lost.

Our team organization stresses short and direct lines of communication. Our structure (see the organizational chart in Tab I, SF330 Part I, Section D) identifies key personnel responsible for communication and administering inputs for their respective discipline, and integrating the flow of information among other team members and back to our Project Manager to ensure efficient service. To keep the City fully aware of progress and to reduce the risk of rework, our team actively supports the use of Web meetings. The use of Web meetings is a valuable technology that rapidly brings personnel together, reduces time and eliminates unnecessary traveling costs as fit for purpose.





## Section V

# Local Office in Miami-Dade County

CH2M's active business license in Miami-Dade County is shown below. We have also included occupational licenses from our subconsultant teaming partners.

**Local Business Tax Receipt**  
Miami-Dade County, State of Florida  
-THIS IS NOT A BILL - DO NOT PAY

6809850

**BUSINESS NAME/LOCATION**  
CH2M HILL ENGINEERS INC  
3150 SW 38 AVE 700  
MIAMI FL 33146

**RECEIPT NO.**  
**RENEWAL**  
**7083363**

**LBT**

**EXPIRES**  
**SEPTEMBER 30, 2017**  
Must be displayed at place of business  
Pursuant to County Code  
Chapter 8A - Art. 9 & 10

**OWNER**  
CH2M HILL ENGINEERS INC  
Employee(s) 1

**SEC. TYPE OF BUSINESS**  
212 P.A./CORP/PARTNERSHIP/FIRM  
EB25861

**PAYMENT RECEIVED BY TAX COLLECTOR**  
\$45.00 09/09/2016  
CHECK21-16-121932

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](http://www.miamidade.gov/taxcollector)

103286

**Local Business Tax Receipt**  
Miami-Dade County, State of Florida  
-THIS IS NOT A BILL - DO NOT PAY

383570

**BUSINESS NAME/LOCATION**  
MANUEL G VERA & ASSOCIATES INC  
13960 SW 47 ST  
MIAMI FL 33175

**RECEIPT NO.**  
**RENEWAL**  
**383570**

**LBT**

**EXPIRES**  
**SEPTEMBER 30, 2017**  
Must be displayed at place of business  
Pursuant to County Code  
Chapter 8A - Art. 9 & 10

**OWNER**  
MANUEL G VERA & ASSOCIATES INC  
C/O MARIA T VERA PRES  
Employee(s) 31

**SEC. TYPE OF BUSINESS**  
212 P.A./CORP/PARTNERSHIP/FIRM  
LB2439

**PAYMENT RECEIVED BY TAX COLLECTOR**  
\$232.50 07/12/2016  
CREDITCARD-16-039488

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](http://www.miamidade.gov/taxcollector)



003909

# Local Business Tax Receipt

Miami-Dade County, State of Florida

-THIS IS NOT A BILL - DO NOT PAY

# LBT

7084023

## BUSINESS NAME/LOCATION

THIELE JAMES PE  
2160 NW 82 AVE  
DORAL FL 33122

## RECEIPT NO.

RENEWAL  
7361900

## EXPIRES

SEPTEMBER 30, 2017

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

## OWNER

THIELE JAMES PE

## SEC. TYPE OF BUSINESS

212 PROFESSIONAL  
33256PE

## PAYMENT RECEIVED BY TAX COLLECTOR

\$60.00 09/02/2016  
FPPU07-16-002528

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](http://www.miamidade.gov/taxcollector)

# Local Business Tax Receipt

Miami-Dade County, State of Florida

-THIS IS NOT A BILL - DO NOT PAY

# LBT

6744164

## BUSINESS NAME/LOCATION

PREMIERE DESIGN SOLUTIONS INC  
1065 NE 125 ST 211 B  
NORTH MIAMI FL 33161

## RECEIPT NO.

RENEWAL  
7017585

## EXPIRES

SEPTEMBER 30, 2017

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

## OWNER

PREMIERE DESIGN SOLUTIONS INC

Employee(s) 1

## SEC. TYPE OF BUSINESS

212 P.A./CORP/PARTNERSHIP/FIRM  
EB27940

## PAYMENT RECEIVED BY TAX COLLECTOR

\$45.00 07/18/2016  
ECHECK-16-170987

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](http://www.miamidade.gov/taxcollector)

# Local Business Tax Receipt

Miami-Dade County, State of Florida

-THIS IS NOT A BILL - DO NOT PAY

# LBT

7173589

## BUSINESS NAME/LOCATION

PREMIERE DESIGN SOLUTIONS INC  
1065 NE 125 ST STE 211 B  
NORTH MIAMI FL 33161

## RECEIPT NO.

RENEWAL  
7452712

## EXPIRES

SEPTEMBER 30, 2017

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

## OWNER

PREMIERE DESIGN SOLUTIONS INC  
C/O LUIS JURADO  
Employee(s) 2

## SEC. TYPE OF BUSINESS

212 P.A./CORP/PARTNERSHIP/FIRM  
LB8017

## PAYMENT RECEIVED BY TAX COLLECTOR

\$45.00 07/18/2016  
ECHECK-16-170987

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](http://www.miamidade.gov/taxcollector)

00118

# Local Business Tax Receipt

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

# LBT

6876529

**BUSINESS NAME/LOCATION**  
CALTRAN ENGINEERING GROUP INC  
790 NW 107 AVE 200  
MIAMI FL 33172

**RECEIPT NO.**  
**RENEWAL**  
**7151533**

**EXPIRES**  
**SEPTEMBER 30, 2017**

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

**OWNER**  
CALTRAN ENGINEERING GROUP INC  
C/O JUAN CALDERON  
Employee(s) 7

**SEC. TYPE OF BUSINESS**  
212 P.A./CORP./PARTNERSHIP/FIRM  
CA29379

**PAYMENT RECEIVED  
BY TAX COLLECTOR**  
\$82.50 03/08/2017  
CREDITCARD-17-028979

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.

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003326

# Local Business Tax Receipt

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

# LBT

3798700

**BUSINESS NAME/LOCATION**  
G T CONSTRUCTION GROUP INC  
4859 SW 75 AVE 4859  
MIAMI FL 33155

**RECEIPT NO.**  
**RENEWAL**  
**3966430**

**EXPIRES**  
**SEPTEMBER 30, 2017**

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

**OWNER**  
G T CONSTRUCTION GROUP INC  
Worker(s) 1

**SEC. TYPE OF BUSINESS**  
196 GENERAL BUILDING CONTRACTOR  
CGC051905

**PAYMENT RECEIVED  
BY TAX COLLECTOR**  
\$75.00 07/28/2016  
CHECK21-16-103587

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.

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## Section VI

# Local Office in the City of Coral Gables

CH2M does not hold an active business license in the City of Coral Gables. CH2M's subconsultant partner, Dover Kohl and Partners' occupational license is shown below.

		<b>CITY OF CORAL GABLES, FLORIDA</b>		CUST. NO. 011572	
		LOCAL BUSINESS TAX RECEIPT		RECEIPT NO.	
		ANNUAL FIRE INSPECTION FEE RECEIPT		BT-0000004200	
		THIS IS NOT A BILL-DO NOT PAY		<b>2016-2017</b>	
<b>BUSINESS NAME:</b> THE IMAGE NETWORK INC		<b>LOCATION:</b> 1571 SUNSET DR			
<b>DBA NAME:</b> DOVER KOHL & PARTNERS		2 FL			
<b>CLASSIFICATION:</b>	<b>NO. OF UNITS</b>	<b>UNIT DESCRIPTION</b>	<b>AMOUNT PAID: \$ 809.00</b>		
1 CONSULTANT	11	PERSONS			
2					
3					
4					
5					
6					
<b>SQUARE FOOTAGE OF SPACE:</b> 3200		<b>BUSINESS TAX RECPT RENEWAL</b>		<b>VALID ONLY AT LOCATION ABOVE.</b>	
** This receipt does not constitute authority to begin operating at this location without a Certificate of Use and Inspection Approval **				<b>RECEIPT EXPIRES 09/30/2017</b>	







## Contact Information

### CH2M

Alfred Lurigados, P.E.

Project Manager

3150 SW 38 Ave, Suite 700

Miami, Florida 33146

Phone: 786.251.0315

Email: [Alfred.Lurigados@ch2m.com](mailto:Alfred.Lurigados@ch2m.com)

