



CORAL GABLES
THE CITY BEAUTIFUL

RFQ 2017.05.YG

Multimodal Transportation Planning and Engineering Consulting Services



Submitted to: **City of Coral Gables**

Submitted by: **WSP USA Inc.**

July 11, 2017



Technical Proposal



July 11, 2017

City of Coral Gables
Procurement Division
2800 SW 72nd Avenue
Miami Florida 33155

RE: Multimodal Transportation Planning and Engineering Consulting Services
RFQ 2017.05 YG

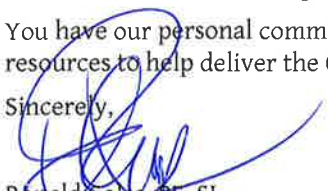
Dear Selection Committee:

WSP USA Inc. brings to the City of Coral Gables a tradition of excellence in transportation planning and engineering services for public entities. WSP stands ready to partner with the City's transportation planning and engineering staff to assist in executing your projects. Addressing the transportation needs and mobility issues in a historic, centralized, and vibrant area takes a proactive approach in implementing quick and effective solutions, as well as developing long-term improvement projects. The WSP team brings the following essential elements for the effective implementation of this contract. Four key points to consider:

- **A Strong Project Manager** with extensive public works and capital project experience. Ms. Elia Nuñez, previously served as the Town of Miami Lakes Public Works Director. In this role, she managed the Town's maintenance, design, and construction program. In addition, she previously managed the Capital Improvement Program (CIP) for the City of Miami. She was responsible for managing, directing and administration of the City's professional design staff to ensure success in overseeing the work of architectural and engineering consultants in the design of transportation and other related projects. Ms. Nuñez's work experience also includes several transportation planning projects throughout Miami-Dade County. She has a clear understanding of working with internal departments, outside agencies, residents and City officials to ensure projects get completed and implemented on time and within budget.
- **WSP has technical expertise** in the transportation planning, land use planning, travel demand, context-sensitive design, concept visualization, sustainable transportation systems, traffic forecasting and modeling, and financial disciplines, having successfully completed transportation projects of every type and size.
- **A proven track record** in successfully working for and partnering with local municipalities, local governments and state agencies to deliver projects of various complexity of similar scope. To name a few, these agencies include the City of Miami Beach, Monroe County, Miami-Dade County, Florida Department of Transportation and South Florida Water Management District. For each of these agencies, we tailored our technical services to address the specific needs of the assigned project.
- **A full-service team** comprised of planners, engineers, and technical specialists with practical experience in all aspects of transportation planning, roadway and drainage design, landscape, survey, geotechnical, and construction services. Our sub-consultants were chosen for their in-depth experience delivering similar services with a strong local presence, and their capabilities in the unique skills required to successfully deliver projects. They include: **AMBRO, Inc.** for Engineering Support Services; **Professional Services Industries, Inc.** for Geotechnical Services, **Fernandez-Beraud, Inc.** for Landscape Architectural services; **CALTRAN Engineering Group, Inc.** for traffic data collection, and **Keith and Associates, Inc.** for survey, SUE and Utility Coordination. Together, this experienced and diverse team of experts will work with us to fulfill the City's needs.

You have our personal commitment that the City will get the support needed and the very best technical resources to help deliver the City's short and long term goals.

Sincerely,


Ronald Colas, PE, SI
Vice President, Senior Area Manager


Elia Nuñez, PE
Project Manager

WSP USA
Suite 300
7650 Corporate Center Drive
Miami, FL 33126

Tel.: +1 305 514-3100
Fax: +1 305 261-5735
wsp.com



Multimodal Transportation Planning and Engineering Consulting Services

SECTION I

Title Page, Table of Contents,
Required Forms, Minimum
Qualifications





TITLE PAGE

RFQ No. 2017.05.YG

Multimodal Transportation Planning and Engineering
Consulting Services

Firm Name: WSP USA Inc.

Firm Address: 7650 Corporate Center Drive
Suite 300
Miami, FL 33126

Phone: 305.514.3100

Contact: Ms. Elia Nunez, PE - Project Manager

Email: Elia.Nunez@wsp.com

Date: July 11, 2017



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CITY OF CORAL GABLES, FL

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

PROPOSER'S ACKNOWLEDGEMENT

RFQ Title: Multimodal Transportation Planning and Engineering Consulting Services	<p>Sealed response submittals must be received prior to 2:00 p.m., Tuesday, July 11, 2017, by the Procurement Division, located at 2800 SW 72nd 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.</p> <p>Contact: Yusbel Gonzalez, CPPB Title: Procurement Specialist Telephone: 305-460-5107 Email: ygonzalez@coralgables.com / contracts@coralgables.com</p>
RFQ No. 2017.05.YG	
<p>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.</p>	

Proposer's Name: WSP USA Inc.	FEIN or SS Number: 11-1531569
Complete Mailing Address: 7650 Corporate Center Drive, Suite 300 Miami, FL 33126	Telephone No.: 305.459-4212
	Cellular No.: 305.322.3256
Indicate type of organization below: Corporation: <input checked="" type="checkbox"/> Partnership: <input type="checkbox"/> Individual: <input type="checkbox"/> Other: <input type="checkbox"/>	Fax No.: 305.261.5735
Bid Bond / Security Bond (if applicable) <u>N/A</u> %	Email: Elia.Nunez@wsp.com

ATTENTION: THIS FORM ALONG WITH ALL REQUIRED RFQ FORMS MUST BE COMPLETED, SIGNED (PERFERABLY 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.


Authorized Name and Signature

Vice President, Senior
Area Manager
Title

July 10, 2017
Date



SOLICITATION SUBMISSION CHECKLIST

Request for Qualifications (RFQ) No. 2017.05.YG

COMPANY NAME: (Please Print): WSP USA Inc.
Phone: 305.514.3100 Email: Elia.Nunez@wsp.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. 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. 2
- 3) Fill out, sign, and submit the Proposer's Acknowledgement Form. 3
- 4) Fill out and submit the Solicitation Submission Check List. 4 - 5
- 5) Fill out, sign, notarize, and submit the Proposer's Affidavit and Schedules A through I. 6 - 20
- 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. 21-31
- 7) Minimum Qualification Requirements: submit detailed verifiable information affirmatively documenting compliance with the Minimum Qualifications Requirements shown in Section 3. 32 - 34
- 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. 35

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. 37 - 38
- 2) Provide a statement detailing Proposer's familiarity with permitting agencies and permitting procedures, especially in Miami-Dade County. 39
- 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.** 40 - 48



- 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). 49 - 50

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. 51 - 87

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. 88
- 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. 89
- 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.. 91
- 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. 92 - 93
- 5) Describe the Proposer's approach to delivering projects on time and how schedule slips will be mitigated. 94

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. 99

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. 100



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 CONE 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.



Authorized Name and Signature

Vice President, Senior
Area Manager

Title

July 10, 2017

Date



(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 Ronald Colas, PE, SI - Vice President, Senior Area Manager
(Owner, Partner, Officer, Representative or Agent)

of the Proposer that has submitted the attached Response.

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

Name: _____ Relationship: _____

Name: _____ Relationship: _____

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

Vice President, Senior
Area Manager

July 10, 2017

**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: WSP USA Inc.

Address: 7650 Corporate Center Drive, Suite 300 Miami Florida 33126
Street City State Zip Code

Telephone No: (305) 514.3100 Fax No: (305) 261.5735 Email: Elia.Nunez@wsp.com

How many years has your organization been in business under its present name? 2 months

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

Under what former names has your business operated? : See Attachment A

At what address was that business located? One Penn Plaza, New York, NY 10119

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:

See Attachment B

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

Yes _____ No X If Yes, explain _____



ATTACHMENT A

WSP USA Inc.

Name History

WSP USA Inc. was incorporated in New York on Oct. 5, 1933 as Flatbush Engineering Corporation. On January 31, 1964, the name was changed to Parsons Brinckerhoff Engineering Corporation. On April 29, 1964, the name was changed to Parsons Brinckerhoff Quade & Douglas, Inc. On November 9, 2006, the name was changed to PB Americas, Inc. On November 1, 2011, the name was changed to Parsons Brinckerhoff, Inc. On May 1, 2017, the name was changed to its current name WSP USA Inc.



Attachment B

The following reflects civil, criminal, administrative, or other similar proceedings filed in the last five years or pending which arise from a dispute concerning WSP USA Inc.'s rights, remedies, or duties under a contract for the same or similar services to be provided under the Multimodal Transportation Planning and Engineering Consultant Services RFP.

<u>Case Name</u>	<u>Project Name</u>	<u>Location and Index/Docket No.</u>	<u>Date Filed</u>	<u>Status</u>	<u>Brief Description</u>
Montgomery County Maryland and Washington Metropolitan Area Transit Authority v. Parsons Brinckerhoff, Inc., Foulger-Pratt Contracting, L.L.C. and The Robert B. Balter Company	Silver Spring Transit Center	Circuit Court for Montgomery County, Maryland	8/24/2015	Settled 6/2017	Montgomery County contracted separately with defendants for the design, construction and construction inspection of a transit center to be transferred to WMATA upon completion. Among other things, the suit alleges design errors or omissions and attributes to them additional costs for construction and delay-related damages. Parsons Brinckerhoff is vigorously defending the allegations.



State of Florida

Board of Professional Engineers

Attests that
Parsons Brinckerhoff, 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: 228201903954 R

CA Lic. No:

1462



FLORIDA DEPARTMENT OF STATE
Division of Corporations

May 5, 2017

CT. CORP
% TINA
TALL., FL

Re: Document Number 829626

The Amendment to the Application of a Foreign Corporation for PARSONS BRINCKERHOFF, INC. which changed its name to WSP USA INC., a New York corporation authorized to transact business in Florida, was filed on May 2, 2017.

Should you have any questions regarding this matter, please telephone (850) 245-6050, the Amendment Filing Section.

Carol Mustain
Regulatory Specialist II
Division of Corporation

Letter Number: 317A00008901

Account number: I20160000072

Amount charged: 35.00

www.sunbiz.org

Division of Corporations - P.O. BOX 6327 -Tallahassee, Florida 32314



PROFIT CORPORATION
APPLICATION BY FOREIGN PROFIT CORPORATION TO FILE AMENDMENT TO
APPLICATION FOR AUTHORIZATION TO TRANSACT BUSINESS IN FLORIDA
(Pursuant to s. 607.1504, F.S.)

SECTION I
(1-3 MUST BE COMPLETED)

829626

(Document number of corporation (if known))

1. Parsons Brinckerhoff, Inc.
(Name of corporation as it appears on the records of the Department of State)
2. New York
(Incorporated under laws of)
3. March 5th, 1973
(Date authorized to do business in Florida)

SECTION II
(4-7 COMPLETE ONLY THE APPLICABLE CHANGES)

4. If the amendment changes the name of the corporation, when was the change effected under the laws of its jurisdiction of incorporation? May 1, 2017
5. WSP USA Inc.
(Name of corporation after the amendment, adding suffix "corporation," "company," or "incorporated" or appropriate abbreviation, if not contained in new name of the corporation)

(If new name is unavailable in Florida, enter alternate corporate name adopted for the purpose of transacting business in Florida)

6. If the amendment changes the period of duration, indicate new period of duration.

(New duration)

7. If the amendment changes the jurisdiction of incorporation, indicate new jurisdiction.

(New jurisdiction)

8. Attached is a certificate or document of similar import, evidencing the amendment, authenticated not more than 90 days prior to delivery of the application to the Department of State, by the Secretary of State or other official having custody of corporate records in the jurisdiction under the laws of which it is incorporated.

(Signature of a director, president or other officer - if in the hands of a receiver or other court appointed fiduciary, by that fiduciary)

Hillary F. Jassey

(Typed or printed name of person signing)

Secretary

(Title of person signing)



State of New York Department of State } ss:

I hereby certify, that the Certificate of Incorporation of WSP USA INC. was filed on 10/05/1933, under the name of FLATBUSH ENGINEERING CORPORATION, fixing the duration as perpetual, and that a diligent examination has been made of the Corporate index for documents filed with this Department for a certificate, order, or record of a dissolution, and upon such examination, no such certificate, order or record has been found, and that so far as indicated by the records of this Department, such corporation is an existing corporation. I further certify the following:

A Certificate of Amendment was filed on 02/04/1935.

A certificate changing name to PARSONS, BRINCKERHOFF ENGINEERING CORPORATION was filed on 01/31/1964.

A Certificate of Merger and Name Change, changing its name to PARSONS, BRINCKERHOFF, QUADE & DOUGLAS, INC. was filed on 04/29/1964.

Restated Certificate was filed on 03/26/1965.

A Certificate of Amendment was filed on 12/09/1968.

A Certificate of Amendment was filed on 09/15/1975.

A Certificate of Amendment was filed on 04/06/1976.

A Certificate of Amendment was filed on 10/08/1976.

Restated Certificate was filed on 06/04/1981.

A Certificate of Amendment was filed on 04/01/1986.

A Biennial Statement was filed 06/10/1993.

A Biennial Statement was filed 11/05/1993.

A Biennial Statement was filed 03/13/1998.

A Certificate of Change was filed on 09/15/1999.

A Biennial Statement was filed 11/15/1999.

A Biennial Statement was filed 10/04/2001.

A Biennial Statement was filed 10/08/2003.

A Biennial Statement was filed 12/07/2005.

A Certificate of Merger was filed on 11/09/2006.

A certificate changing name to PB AMERICAS, INC. was filed on 11/16/2006.

A Biennial Statement was filed 11/08/2007.



A Biennial Statement was filed 12/04/2009.

A certificate changing name to PARSONS BRINCKERHOFF, INC. was filed on 11/01/2011.

A Biennial Statement was filed 05/04/2012.

A Biennial Statement was filed 11/04/2013.

A Biennial Statement was filed 10/01/2015.

A Certificate of Merger was filed on 12/02/2015.

A Certificate of Merger was filed on 12/07/2015.

A Certificate of Merger was filed on 12/08/2015.

A certificate changing name to WSP USA INC. was filed on 05/01/2017.

I further certify that no other documents have been filed by such corporation.



*Witness my hand and the official seal
of the Department of State at the City
of Albany, this 01st day of May
two thousand and seventeen.*



Brendan W. Fitzgerald
Executive Deputy Secretary of State

201705020136 * EZ



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

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.]**

☒ 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 June 7, 2017

Addendum No. _____ Date _____

Addendum No. 2 Date June 14, 2017

Addendum No. _____ Date _____

Addendum No. _____ Date _____

Addendum No. _____ Date _____

Addendum No. _____ Date _____

Addendum No. _____ Date _____

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, Florida)

2. PUBLIC NOTICE DATE

June 3, 2017

3. SOLICITATION OR PROJECT NUMBER

2017.05.YG

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Elia Nunez, PE - Project Manager

5. NAME OF FIRM

WSP USA Inc.

6. TELEPHONE NUMBER

305.514.3100

7. FAX NUMBER

305.261.5735

8. E-MAIL ADDRESS

Elia.Nunez@wsp.com

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

	PRIME J-V PARTNER SUBCON- TRACTOR	9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
a	X	WSP USA Inc. <input type="checkbox"/> FILL IF BRANCH OFFICE	7650 Corporate Center Drive Miami, FL 33126	Transportation/Mobility Planning, Engineering (Roadway, Drainage, Traffic),
b		AMBRO, Inc. <input type="checkbox"/> FILL IF BRANCH OFFICE	13335 SW 124 Street Miami, FL 33186	Roadway, Site Lighting Design, Utility Locates
c		CALTRAN Engineering Group, Inc. <input type="checkbox"/> FILL IF BRANCH OFFICE	790 NW 107 Avenue Suite 200 Miami, FL 33172	Traffic Data Collection
d		Fernandez-Beraud, Inc. <input type="checkbox"/> FILL IF BRANCH OFFICE	717 Ponce de Leon, #223 Coral Gables, FL 33134	Landscape Architecture
e		Keith & Associates, Inc. <input type="checkbox"/> FILL IF BRANCH OFFICE	2160 NW 82 nd Avenue Doral, FL 33122	Surveying
f		Professional Services Industries, Inc. <input type="checkbox"/> FILL IF BRANCH OFFICE	7950 NW 64 th Street Miami, FL 33166	Geotechnical Engineering

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

☒ (Refer to Section III - Staffing
Plan of our response)

E. RESUMES OF KEY PERSONNEL (Refer to Section III - Staffing Plan of our response)

F. EXAMPLE PROJECTS (Refer to Section II - Proposer's Qualifications of our response)

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	9	10
Marie-Elsie Dowell	Principal-in-Charge										
Elia Nuñez	Project Manager										
Shriram Ramaratnam	Deput Project Manager										
Charles Hart	Traffic Engineering										
Somaye Fakharian-Qom	Traffice Engineering/ITS										
Shruti Tekale	Traffic Engineering										
Andres Cardona	Drainage Design										
Mauricio Paredes	Drainage Design										
John Lafferty	Transportation Planning					■	■		■	■	
Thomas Rodrigues	Transportation Planning/GIS					■	■		■	■	
Zachary Parnas	GIS					■	■		■	■	
Cecilia Villoria	Roadway Design										
Carlos Benavides	Roadway Design										
Eduardo Rodriguez	Construction Management										
Ron Fields	Construction Management										
Michelle Kendall	Complete Streets	■		■	■						
Laura Minns	Complete Streets	■		■							
Amanda Kreiling	Signalization Design		■					■			
Burak Konuk	Signalization Design										
Yamila Hernandez	MOT/Traffic Control										
Dayami Cruz	MOT/Traffic Control										
Emile Amedee	Utility Locates										
Frederick Reviere	Utility Locates										
Frank Gonzalez	Roadway/Site Lighting										
Juan Calderon	Traffic Data Collection										
Carlos Perez	Traffic Data Collection										
Leticia Fernandez-Beraud	Landscape Design										
M. Christopher Alonso	Landscape Design										
Timothy Gray	Survey										
Daniel Checchia	Survey										
Juan Villegas	Geotechnical Engineering										
Carlos Duque	Geotechnical Engineering										

29. EXAMPLE PROJECTS KEY

No.	TITLE OF EXAMPLE PROJECT (From Section F)	No.	TITLE OF EXAMPLE PROJECT (From Section F)
1	International Drive Walkability and Parking Study	6	Downtown Miami Bus Lanes Study
2	SR 524 Multimodal Corridor Study	7	I-275 (SR 93) From SR 60 to the Hillsborough River
3	Pine Hills Road Pedestrian/Bicycle Safety Study	8	SMART Plan Corridor Inventory
4	Green Hills Area Study	9	CSX East-West Corridor Transit Oriented Development Study
5	Countywide Bus and Auto/Rideshare Access to Transit Facility Assessment Study	10	

H. ADDITIONAL INFORMATION

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



WSP USA Inc., formerly Parsons Brinckerhoff, Inc. has been present in Florida for over three decades, with offices in Miami-Dade and Broward counties. During this time, our staff

has gained a thorough knowledge and understanding of the transportation / infrastructure issues facing South Florida.

WSP's multimodal experience is evident in our continued service with the South Florida Regional Transportation Authority from contracts for General Engineering Consultant (GEC) and General Planning Consultant for the past ten years. We developed ridership forecasts, modeled rail operating schedules, wrote the Environmental Assessment for the Segment 5 Project, the Rail Fleet Management Plan, and Project Management and Feeder Bus Plans. We also prepared a Traffic Impact Study, a Level I Contamination Study, and a bus feeder plan for Palm Beach County, and the Tri-Rail's 2020 Long Range Master Plan, which recommended five extensions to the existing system. PB also prepared the Project Definition and Alternatives Analysis for the Dolphin Extension, a Terminal Analysis for the relocated MIA station, and three FTA New Start Criteria Reports for the SFRTA as their GEC.

WSP has a long track record of providing planning and design services to all seven Florida Department of Transportation (FDOT) districts as well as the Florida Turnpike Enterprise. Specifically in South Florida, WSP has worked extensively with FDOT Districts 4 and 6 and Miami-Dade Department of Transportation and Public Works. In Miami-Dade County, we prepared the S.R. 836 East-West Multimodal Corridor Study FEIS and the North Corridor FEIS.

Under contract to FDOT, WSP operates the South Florida Commuter Services program in Miami-Dade, Broward, and Palm Beach Counties. The purpose of this project is to increase mobility by promoting High Occupancy Vehicle alternatives. It involves coordination with governmental agencies, public and private transportation operators and employer-based coordinators in the three counties; organizing public presentations outlining the commuter options; technical assistance to FDOT in the review of transportation policy plans and documents; creating a public information/marketing program; and assisting FDOT in the review of transportation elements in local government comprehensive plans and amendments. In addition, WSP has provided professional services to the City of Miami, the Port of Miami, the Miami-Dade Expressway Authority (MDX), and a number of other state and local agencies.

The Project Team

WSP will be supported by five qualified subconsultants, providing a full service team to meet the City's needs and vision.



AMBRO, Inc. Is a minority/disadvantaged business holding certifications with the City of Miami, Miami-Dade County, Miami-Dade County Public Schools, Broward

County Public Schools and South Florida Water Management District. The Company's main Office is located in Miami, Florida. Since its incorporation in 1988, AMBRO, Inc.'s success in delivering high-quality service to our clients is a direct result of building an excellent track record clearly reflected by the growing number of repeat business. AMBRO is a multidisciplinary firm providing engineering and construction services to a wide range of clients as a prime consultant or in association with other firms. AMBRO will provide drainage design, utility locates, and roadway and site lighting design.

Relevant experience include:

SW 122nd Avenue Drainage Improvement Project, Miami-Dade County DERM, FL: data collection, review complaints and analyzing current storm drainage systems to verifying causes of ponding at various locations throughout the project area. The firm prepared construction documents for a new hybrid drainage system with controlled discharge to nearby lake. The task included obtaining an Environmental Resources Permit and coordinate with utility companies for minor relocations.

C-9 East Basin Backwater Prevention Project, Miami-Dade County DERM, FL: analyze existing drainage conditions within the project boundary. Prepare construction documents to prevent regular backflow from canal entering nearby neighborhood's storm drainage system.



Since its inception in 2011, CALTRAN is a certified DBE and MBE professional engineering firm specialized in the areas of traffic and transportation engineering. CALTRAN is prequalified

with the Florida Department of Transportation (FDOT) for services such as: Major and Minor Highway Design, Traffic Engineering Studies; Traffic Signal Timing; Lighting; Signing, Pavement Marking and Channelization; Traffic Counts; Traffic Calming; Signalization; Systems Planning; Subarea/Corridor Planning and Transportation Statistics; General Engineering; and Value Analysis and Life Cycle Costing.

Relevant experience include:

City of Coral Gables Multimodal Transportation Plan, Coral Gables, FL: retained by Atkins Global to develop a plan that identifies and recommends the improvements necessary to develop transportation connectivity of all modes of transportation in order to provide more than one alternative. This consists of developing traffic calming studies and assist in developing a plan that outlines a transportation strategy

H. ADDITIONAL INFORMATION

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

and project prioritization method for the city to use in order to update the transportation component of the Coral Gables Comprehensive Plan to address ever-changing transportation needs by providing a safe and sustainable plan that is viable and effective with its alternatives.

City of Miramar Traffic Engineering Services, City of Miramar, FL: provide a comprehensive assessment to identify needs, assess traffic impact and levels, and provide recommendations pertaining to a new City of Miramar Community and Cultural Amphitheater within the City of Miramar Regional Park. This study was initiated following requests by the City of Miramar Parks and Recreation Department.



was incorporated as a Florida corporation in 1998. The ability to offer in-house surveying and mapping capabilities provides for a more comprehensive unified team. Services include boundary, topographic, control, wetland, mitigation, route, aviation, bathymetric, GIS, GPS, as-built, American Land Title and coastal surveys, legal descriptions, right-of-way mapping, design base sheets, title review, DTMs, differential leveling, construction stakeout, platting, expert witness surveying, and mapping services.

The firm maintains eight full-time field crews to provide for our clients on an as-needed basis. Our entire field staff has received Maintenance of Traffic (M.O.T.) Safety Training currently required by the Florida Department of Transportation for work within public roadways.

Relevant experience include:

Federal Highway (US-1) Beautification Project, Delray Beach, FL: design surveyor for this project to establish new control points throughout the project limits. An extensive search for baseline control, right-of-way monumentation and property corners was conducted. This research aided in recreating the historical baseline of US-1. K&A also conducted a survey of over 220 drainage structures throughout the corridor. Finished floor elevations were measured on all structures within 25 feet of the right-of-way.

Martin Luther King Jr. Boulevard Improvements (Pompano Beach, FL: provided professional engineering design for the roadway improvements which include incorporating new sidewalks, dedicated bicycle lanes and roadside swales along both sides of the roadway, roadway milling and resurfacing (with some widening), miscellaneous safety improvements and some lane reconfigurations, new landscape medians and other landscape enhancements, decorative street lighting, utility coordination for relocations/adjustments, overall drainage and roadway improvements. The scope of services for this project includes: Surveying, Utility Locating Subsurface Utility Engineering (SUE), Utility Coordination, Engineering,

Inspection, Permitting, and Construction Document preparation.



Professional Service Industries, Inc. (PSI) is a nationally recognized consulting engineering and testing firm licensed and certified to provide integrated services in several disciplines, including geotechnical engineering, construction services, materials engineering and testing, roof and pavement consulting, asbestos management, and facilities consulting and engineering. PSI was incorporated in Delaware, June 26, 1972. PSI's Florida offices have over 300 engineers, inspectors, and support staff available to assist our clients. Our laboratories and personnel fully comply with the standards of ASTM, AASHTO, AISC, AWS and FDOT and our labs are inspected and approved by the FDOT, AASHTO, CCRL, and the US Army Corps of Engineers. PSI also maintains CMEC certified laboratories and certified experienced field personnel. PSI's engineering staff includes registered professional engineers with significant construction experience in South Florida. The firm's inspectors are ACI, NICET, SBCCI and CTQP trained/certified in their respective disciplines, as required by building codes and industry standards. PSI has provides services on several projects to the City of Coral Gables for geotechnical and materials testing since 2010 including the 2800 SW 72nd Avenue Reassessment and Remediation, the Coral Gables City Hall IAQ, and the Rovino Pump Station, amongst others.



Fernandez-Beraud, Inc. is a Minority/Woman Owned Small Business, established in Miami since April of 2004, following 17 years of its founding principal, Leticia Fernandez-Beraud's professional practice in Landscape Architecture. The company aims to offer personalized attention and commitment to the clients with the utmost level of professionalism. The firm's experience spans a broad range of public and private project types, of large and small scale, primarily located in the United States. Fernandez-Beraud, Inc. as a professional organization specializes in Florida Landscape Architecture and Planning.

Relevant experience include:

UniverCity: FIU – Sweetwater Tiger Grant Miami-Dade County, FL: schematic design and preparation of design criteria and guidelines for the UniverCity Tiger Grant project. The project was located in part, within the FIU's precincts, within a right of way of 8th Street (with the pedestrian bridge) and within the City of Sweetwater's right of way. The scope of the work included the conceptual and schematic designs of plazas, pedestrian walkways, streetscapes, in both FIU and the City of Sweetwater.

H. ADDITIONAL INFORMATION

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

MDX SR 836 Bike Path, Miami-Dade County, FL: The two-mile Miami-Dade Expressway Authority's SR 836 Bike Path landscaping was designed to enhance the experience of the bikers and pedestrians by bringing into the landscape: color, accents and shade. This is represented by a sequence of different and changing plant material that fulfills a function as well as an aesthetic goal. The project cost was approximately \$300,000.

Fernandez-Beraud, Inc. was in charge of all landscape aspects of the project, from the design concepts and development, to construction documentation and construction follow-up.

I. AUTHORIZED REPRESENTATIVE

THE FOREGOING IS A STATEMENT OF FACTS.

31. SIGNATURE



32. DATE

July 10, 2017

33. NAME AND TITLE

Ronald Colas, PE, SI - Vice President, Senior Area Manager

ARCHITECT – ENGINEER QUALIFICATIONS¹ SOLICITATION NUMBER (if any)
2017.05.YG**PART I - GENERAL QUALIFICATIONS**

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

2a. FIRM (OR BRANCH OFFICE) NAME WSP USA Inc.			3. YEAR ESTABLISHED 1977	4. DUNS NUMBER NA
2b. STREET 7650 Corporate Center Drive, Airport Corporate Center Building 10 Suite 300			5. OWNERSHIP	
2c. CITY Miami			a. TYPE Corporation	
2d. STATE FL			b. SMALL BUSINESS STATUS <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
2e. ZIP CODE 33126			7. NAME OF FIRM (If block 2a is a branch office)	
6a. POINT OF CONTACT NAME AND TITLE Ronald M. Colas, Vice President/Area Manager				
6b. TELEPHONE & FAX NUMBER 305.514.3100				
6c. E MAIL ADDRESS Ronald.Colas@wsp.com				
8a. FORMER FIRM NAME(S) (if any) Parsons Brinckerhoff Quade & Douglas until 11/2006 PB Americas, Inc. until 11/01/2011			8b. YR. ESTABLISHED 1933	8c. DUNS NUMBER NA

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	Revenue Index Number (see below)
		(1) FIRM	(2) OFFICE			
06	Architect	72	5	B02	Bridges	1
08	CADD Technician	214	1	C10	Commercial Building (low-rise); Shopping Centers	1
12	Civil Engineer	978	13	C15	Construction Management	7
14	Computer Programmer	299	6	D04	Design-Build – Preparation of Requests for Proposals	3
15	Construction Inspector	290	16	E02	Educational Facilities; Classrooms	5
16	Construction Manager	282	22	E11	Environmental Planning	1
21	Electrical Engineer	105	1	H01	Harbors; Jetties; Piers; Ship Terminal Facilities	4
27	Foundation/Geotech Engineer	102	1	H07	Highways; Streets; Airfield Paving Parking Lots	7
47	Planner: Urban/Regional	125	1	P05	Planning (Community, Regional, Area-wide, and State)	5
58	Technician/Analyst	287	9	P06	Planning (Site, Installation, and Project)	3
60	Transportation Engineering	280	5	R03	Railroad, Rapid Transit	5
62	Water Resources Engineering	71	4	S04	Sewage Collection, Treatment, Disposal	1
	Aviation Engineer	16	2	S13	Stormwater Handling and Facilities	4
	Marine Engineer	10	1	T03	Traffic and Transportation Engineering	6
	Operations and Maintenance	44	1	T06	Tunnels and Subways	6
	Transportation Planning	142	4	W02	Water Resources; Hydrology; Ground Water	1
	Other Employees	2,391	47	W03	Water Supply; Treatment and Distribution	1
Total		5,708	139			

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 |

11. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE Ronald M. Colas, Vice President/Area Manager	b. DATE May 2017
c. NAME AND TITLE	


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

(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.

a. SIGNATURE	b. DATE
	7/5/2017
c. NAME AND TITLE	
Juan S. Calderon, PE / Principal	

1. SOLICITATION NUMBER (If any)

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

3. YEAR ESTABLISHED

2004

4. DUNS NUMBER	
----------------	--

150268436

5. OWNERSHIP

a. TYPE

2d. STATE

2e. ZIP CODE	
--------------	--

CORPORATION

b. SMALL BUSINESS STATUS

MDCPS M/WBE / SMALL & MICRO

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

6c. E-MAIL ADDRESS

LeticiaF@Fernandez-Beraud.com

N/A

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

8b. YR. ESTABLISHED

8c. DUNS NUMBER

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)

a. Federal Work

1

b. Non-Federal Work

3

c. Total Work

4

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE

b. DATE

07/06/2017

c. NAME AND TITLE

Leticia Fernandez-Beraud, President / RFQ 2017.05.YG: Multimodal Transportation Planning & Eng. Consulting Services

AUTHORIZED FOR LOCAL REPRODUCTION

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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 82nd Avenue

5. OWNERSHIP

a. TYPE

Corporation

2c. CITY

Doral

2d. STATE

FL

2e. ZIP CODE

33122

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


ARCHITECT – ENGINEER QUALIFICATIONS1. 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 Professional Service Industries, Inc.			3. YEAR ESTABLISHED 1972 (DE) / 1983 (FL)	4. DUNS NUMBER 06-524-1176
2b. STREET 7950 NW 64th Street			5. OWNERSHIP a. TYPE: Corporation	
2c. CITY Miami	2d. STATE FL	2e. ZIP CODE 33166	b. SMALL BUSINESS STATUS N/A	
6a. POINT OF CONTACT NAME AND TITLE Juan Villegas, PE – Senior Vice President			7. NAME OF FIRM (If block 2a is a branch office) Professional Service Industries, Inc. (PSI) 545 E. Algonquin Road, Suite C Arlington Heights, IL 60005	
6b. TELEPHONE NUMBER 305-471-7725		6c. E-MAIL ADDRESS juan.villegas@psiusa.com		
8a. FORMER FIRM NAME(S) (If any) Pittsburgh Testing Laboratories, A&H Materials Testing			8b. YR ESTABLISHED 1881, 1961	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	189	4	T02	Testing & Inspection Services	10
12	Civil Engineer	202	4	S05	Soils & Geologic Studies; Foundations	9
16	Construction Manager	198	5	A10	Asbestos Abatement	8
23	Environmental Engineer	64	1	E10	Environmental Impact Studies, Assessments or Statements	8
24	Environmental Scientist	32	3	E12	Environmental Remediation	8
27	Foundation/Geotechnical Engineer	66	3	R12	Roofing	7
30	Geologist	109	2			
36	Industrial Hygienist	46	1			
42	Mechanical Engineer	5				
48	Project Manager	86	15			
55	Soils Engineer	30				
57	Structural Engineer	6				
58	Technician/Analyst	1142	16			
	Roofing Consultants	20				
	QA Engineering Specialist	5				
Total		2,200	53			

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	6	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	10	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	10	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 June 30, 2017
c. NAME AND TITLE Juan D. Villegas, PE – Senior Vice President	

MINIMUM QUALIFICATION REQUIREMENTS

WSP USA Inc., formerly Parsons Brinckerhoff, Inc. was founded in 1885 and is one of the oldest and most distinguished engineering consultant firms in the United States. The company is widely recognized as one of the leaders in the transportation consultant industry.

WSP became involved in the design of Miami's Metrorail transit system in the 1970's and officially opened an office in Miami in 1981. Throughout Florida, WSP services a diverse range of transportation projects, administering our infrastructure and construction expertise. Our experience on infrastructure projects largely comprises of multimodal transportation

planning, highway corridor and alignment studies, Project Development and Environmental (PD&E) studies, and preliminary and final design of highway and bridge projects for the municipal sector.

To fully support the range and variety of projects, we offer the full complement of civil, structural, and traffic engineering services, as well as transportation and urban/regional planning. WSP's construction experience comprises construction management, program management and construction engineering and inspection with public sector clients such as the Florida Department of Transportation (FDOT), counties, municipalities, expressway authorities, aviation departments and school boards.

Proposer's Licensure



FLORIDA DEPARTMENT OF STATE Division of Corporations

May 5, 2017

CT. CORP
% TINA
TALL., FL

Re: Document Number 829626

The Amendment to the Application of a Foreign Corporation for PARSONS BRINCKERHOFF, INC. which changed its name to WSP USA INC., a New York corporation authorized to transact business in Florida, was filed on May 2, 2017.

Should you have any questions regarding this matter, please telephone (850) 245-6050, the Amendment Filing Section.

Carol Mustain
Regulatory Specialist II
Division of Corporation

Letter Number: 317A00008901

Account number: I20160000072

Amount charged: 35.00

State of Florida

Board of Professional Engineers

Attests that
Parsons Brinckerhoff, 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: 228201903954 R

CA Lic. No:
1462

On May 1, 2017, Parsons Brinckerhoff, Inc. officially became WSP USA Inc. We have submitted our application to the State of Florida Department of Board and Professional Regulations and are awaiting our new certificate. Our Certificate of Authorization license number remains the same.



ELIA NUNEZ, PE

Project Manager

Firm

WSP USA Inc.

Years of Experience

17

Education

BS, Civil Engineering
University of Miami, 2000

BS, Architectural
Engineering
University of Miami, 2000

Registrations / Certifications

Professional Engineer: Florida
#66276

Certified General Contractor
CGC #1508613

Elia Nunez is the former Director of Public Works for the Town of Miami Lakes with seventeen years of engineering and management experience. She has demonstrated success in managing architectural and engineering projects for the state, county, municipality, and private sector. Elia is focused on developing, establishing and maintaining strong client relationships. She is well versed in the preparation and the development of all phases of contract plan sets, project specifications, and construction estimates.

Relevant Projects

- **Town of Miami Lakes, Director of Public Works and CIP.** As the director, supervised and managed day-to-day operations activities for the Department of PW and CIP. Duties included directing, planning and coordinating the towns maintenance, design and construction contracts.
- **City of Miami Chief Design Project Manager.** As Chief Design Project Manager for the Capital Improvement Program (CIP), Elia was responsible for managing, directing and administration of department's professional design staff to ensure success in overseeing the work of architectural and engineering consultants in the design of City projects. This includes assuring master plans and schedules are followed for successful completion of the projects and assuring projects stay within budgets.
- **Miami-Dade Department of Transportation and Public Works Capital Improvement Plan-Program Management Consultant, FL.** Contract includes providing technical and operation planning, design permitting, engineering inspections, right-of-way support, survey, structural, geotechnical, electrical, construction cost estimating and other professional services required for the department. As deputy Project Manager responsibilities include continuous coordination with the project managers overseeing the project development, coordinating task assignments with sub-consultants, meeting with county staff and elected officials on project status and development.
- **Normandy Drive (SR934) from NE 71st Street to Rue Notre Dame (RRR), Normandy Isle, City of Miami Beach, FL, FDOT District Six.** Resurfacing, Restoration and Rehabilitation (3R) of Normandy Drive beginning at Rue Notre Dame (MP 0.31) and continuing for approximately 0.31 miles to N.E. 71st Street (MP 0.00). The existing roadway is the westbound section of a one-way pair urban principal arterial. Primary responsibilities include Project Engineer responsible for the development of the roadway plans, signing and pavement marking plans, pavement design, design variations package, and typical section package.
- **SW 137th Avenue between the HEFT and US-1, Miami-Dade, FL, Miami-Dade County Public Works Department.** Project consists of the improvements to SW 137th Avenue from an undivided two-lane rural section to a 4-lane section. Design services include planning, traffic operations, roadway, design of a closed drainage system, Signing and Pavement Marking, signalization, roadway lighting and Public involvement. Primary Role: Project Engineer responsible for the preparation of design plans, drainage reports, lighting, signing and pavement markings and permitting.
- **US-1 (SR 5) Design-Build Project, Miami-Dade County, FDOT District 6 / Community Asphalt Corporation - Consultants to Community Asphalt Corporation** for the design and construction of a 4-mile section of US-1 between Florida City and Key Largo. Project involved reconstructing US-1 from an undivided 2-lane rural road to a divided 2 lane rural road primarily with the purpose of introducing a buffer separation between northbound and southbound traffic. Major project features include extensive de-mucking of the corridor, installation of drainage swales to provide water quality to include an underdrain seepage system, extensive utility coordination, maintenance of traffic, and storm water pollution prevention plans in an environmentally sensitive area. Primary Role: Project Engineer responsible for the design of the bell south duct banks.

Key Personnel

While our entire team contributes to the success of the project, our project manager, Elia Nuñez, PE will be the primary point of contact for the City of Coral Gables and is in overall charge of the team. Our team's close working relationship with the

City staff combined with our local knowledge will facilitate expeditious project delivery. The number of years for our proposed engineers, planners, and professional support staff, as reflected in the table below, ranges from one to thirty years, working with similar scopes for municipal, county, and state agencies.

Key Staff for Contract	Years of Experience	Professional License/Certification
Elia Nuñez, PE	17	Professional Engineer: FL # 66276
Shriram Ramaratnam	11	N/A
Marie-Elsie Dowell, PE	30	Professional Engineer: FL # 47751
Charles Hart, PE, PTOE	13	Professional Engineer: FL #68372
Somaye Fakharian-Qom, PhD	10	N/A
Shruti Tekale	1	N/A
Andres Cardona, PE	19	Professional Engineer: FL #63917
Mauricio Paredes, PE	22	Professional Engineer: FL #56832
John Lafferty	21	N/A
Thomas Rodrigues, AICP	6	American Institute of Certified Planners #247148
Michelle Kendall, AICP	19	American Institute of Certified Planners #020941
Laura Minns, AICP	20	American Institute of Certified Planners
Amanda Kreiling, PE, PTOE	18	Professional Engineer: FL #61644
Burak Konuk, PTOE	8	Professional Engineer: IN #81581
Yamila Hernandez, PE	18	Professional Engineer: FL #61701
Dayami Cruz, EI	13	Engineering Intern: FL #1100017268
Zachary Parnas	3	N/A
Isabella Remolina	1	N/A
Cecilia Villoria, PE	24	Professional Engineer: FL #62866
Carlos Benavides, PE	8	Professional Engineer: FL #80087
Eduardo Rodriguez, PE	32	Professional Engineer: FL #42056
Ron Fields, PE	40	Professional Engineer: FL # 32259
Rosella Picado, PhD	20	N/A
Raghu Sidharthan, PhD	7	N/A
Emile Amedee, PE	23	Professional Engineer: FL #57955
Frank Gonzalez, PE	32	Professional Engineer: FL #44930
Fredrick Riviere, EI	21	Engineering Intern: FL
Leticia Fernandez-Beraud, RLA	25	Professional Landscape Architect: FL #LA6666730
M. Christopher Alonso, RLA	30	Professional Landscape Architect: FL #LA6666853
Daniel Checchia	19	N/A
Timothy H. Gray, PSM	17	Professional Surveyor and Mapper: FL #LS6604
Juan Villegas, PE	22	Professional Engineer: FL # 60745
Carlos Duque	13	N/A
Juan Calderon, PE, PTOE	18	Professional Engineer: FL #58569
Carlos Perez, PE	19	Professional Engineer: FL #63521



EXCEPTIONS TO RFQ LANGUAGE AND PROFESSIONAL SERVICES AGREEMENT

WSP USA Inc. respectfully requests the opportunity to discuss and negotiate, if applicable, the following items:

1. RFQ, Section 5.4 states the intent of the parties that the indemnification language comply with Section 725.06 however the language in RFQ, Section 5.0 and PSA, Section 4.2.3 is considerably broader than the corresponding Florida Law. PSA, Section 4.2.3 requires the Professional indemnity the City for acts of third parties and the City, neither of which can Professional control or insure.
2. RFQ, Section 5.6.6.3: Delete the requirement to provide a copy of any insurance policy. Also see PSA, Section 5.2.h
3. PSA, Section 6.c.: Clarification that Section 6.c only refers to alleged acts or inaction by the City not relating to this Agreement.
4. PSA, Section 7.2: Replace “highest” with “customary”
5. PSA, Section 33.1: Request that the waiver of consequential damages is mutual by both parties.



CORAL GABLES
THE CITY BEAUTIFUL

Multimodal Transportation Planning and Engineering Consulting Services

SECTION II Proposer's Qualifications

SECTION II



wsp

COMPANY BACKGROUND

WSP, through its acquisition of Parsons Brinckerhoff, is one of the world's leading professional services firms in its industry, working with governments, businesses, architects and planners and providing integrated solutions across many disciplines.

A global firm with a 131 year history, it is one of the oldest continuously operating consulting firms in the United States. The firm provides services to transform the built environment and restore the natural environment, and its expertise ranges from environmental remediation to urban planning, from engineering iconic buildings to designing sustainable transport networks, and from developing the energy sources of the future to enabling new ways of extracting essential resources. We bring together more than 34,000 employees working in over 500 corporate and project offices worldwide.

Over that time we have become a global consulting firm assisting public and private clients to plan, develop, design, construct, operate and maintain thousands of critical infrastructure projects around the world. We are a diverse company with a strong commitment to technical excellence, a diverse workforce, and service to our clients.

WSP is a leading full-service engineering firm in the Miami area and has a local staff consisting of approximately 100 employees. Our main expertise is transportation planning and engineering, including multimodal transportation planning, roadway design, facilities and utility coordination, and design and construction engineering and inspection (CEI). We have worked on thousands of structures that have become hallmarks of the communities they serve.

No matter how big or small the job, WSP is committed to maximizing infrastructure resources and responding to today's needs with cost-effective, sustainable, and aesthetic solutions. Furthermore, we have the personnel to draw upon to solve some of the largest and challenging transportation projects in Florida, but we also apply that wealth of knowledge efficiently and appropriately to smaller projects, some of which need the experience of a large firm but the application technique of a small firm.

WSP continually applies innovative and effective thinking to deliver projects that enhance the quality, livability, resiliency and connectivity of communities.

Since opening the Miami office in 1981, we have attained strong client relationships offering planning, design, and construction oversight. We have supported clients such as Miami-Dade County, the City of Miami Beach, Monroe County, the Florida Department of Transportation District Four and Six, Miami-Dade Expressway Authority, the South Florida Regional Transportation Authority, and the U.S. Virgin Islands.



In the Green Hills Study, additional sidewalks have been added in the area, as well as bike lanes along several of the side streets to create more "complete streets".

WSP brings the latest technologies and a culture of innovation to our transportation planning and engineering services and works to meet community needs for mobility, connectivity, sustainability, and resiliency. We view transportation and infrastructure projects as a means to improve the communities in which we live and work, and wherever possible we apply the latest concepts in sustainable development to improve social, economic, and environmental conditions. We help our clients find the right solutions to their challenges through innovative planning and design, deep knowledge of the federal and local regulatory environments, and an understanding of the alternative delivery mechanisms available in today's economic climate.

2016 RANKINGS

WSP is widely recognized as one of the premier leaders in the transportation consulting industry with top industry rankings including but not limited to:



- 1st – Top 225 International Design Firms
- 7th – Top 50 for Transportation
- 11th – Top 500 Design Firms

2016 RANKINGS



- 3rd – Mass-Transit Design
- 3rd – Design-Build Design
- 1st – Airport Design
- 4th – Road & Highway Design
- 5th – Bridge Design



FLORIDA DEPARTMENT OF STATE
Division of Corporations

May 5, 2017

CT. CORP
% TINA
TALL., FL

Re: Document Number 829626

The Amendment to the Application of a Foreign Corporation for PARSONS BRINCKERHOFF, INC. which changed its name to WSP USA INC., a New York corporation authorized to transact business in Florida, was filed on May 2, 2017.

Should you have any questions regarding this matter, please telephone (850) 245-6050, the Amendment Filing Section.

Carol Mustain
Regulatory Specialist II
Division of Corporation

Letter Number: 317A00008901

Account number: I20160000072

Amount charged: 35.00

WSP USA Inc., formerly known as Parsons Brinckerhoff, Inc. is a corporation legally authorized to do work in the State of Florida. The firm's Certificate of Authorization and professional license is shown below. As part of our unification, Parsons Brinckerhoff Inc. is in the process of its name change to WSP USA Inc. with the Florida Department of Business and Professional Regulation.

State of Florida

Board of Professional Engineers

Attests that
Parsons Brinckerhoff, Inc.



FBPE
FLORIDA BOARD OF
PROFESSIONAL ENGINEERS

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: 228201903954 R

CA Lic. No:

1462

Local Business Tax Receipt

Miami-Dade County, State of Florida

-THIS IS NOT A BILL - DO NOT PAY

6714001

BUSINESS NAME/LOCATION
PARSONS BRINCKERHOFF INC
7650 NW 19 ST #300
MIAMI FL 33126

RECEIPT NO.
RENEWAL
6987334

LBT

EXPIRES
SEPTEMBER 30, 2017

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

OWNER
PARSONS BRINCKERHOFF INC
Employee(s) 10

SEC. TYPE OF BUSINESS
212 P.A./CORP/PARTNERSHIP/FIRM
EB1462

**PAYMENT RECEIVED
BY TAX COLLECTOR**
\$75.00 08/30/2016
CHECK21-16-117064

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



FAMILIARITY WITH PERMITTING AGENCIES AND PERMITTING PROCEDURES

The project permitting process is critical to its success. We begin our permitting process early to understand requirements from both internal and external permitting authorities in order to avoid surprises later in the project's development. This includes performing field reviews and assessments during the scoping phase to identify areas of coordination needed with other agencies and the City itself. Meeting with the agencies before the project begins helps identify the required permits and streamlines the review process with the agencies.

We understand that in addition to the required City permits, county and state permits may also be required due to the type of work being performed. For example, traffic calming, road diets and speed reduction for residential streets that are owned and maintained by the City require the review and approval of the County's Traffic Division. Once completed, the permitting authority provides approval for construction. The permitting process takes time and it is important to consider this when developing project schedules.

RELEVANT AND RECENT PROJECTS

WSP has extensive experience successfully completing task work order-type and multiple miscellaneous contracts for municipalities, as well as local county and state agencies. We have been awarded subsequent cycles on many of these contracts, thereby illustrating our performance and commitment to provide the resources necessary to successfully support the City of Coral Gables' needs. Our similar project experience is shown in detail in the following pages.



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)

International Drive Walkability and Parking Study

Orange County, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES

2014

CONSTRUCTION (If Applicable)

N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Orange County Growth
Management Department, Planning
Division

b. POINT OF CONTACT NAME

Janna Souvorova, AICP

c. POINT OF CONTACT TELEPHONE NUMBER

Janna.Souvorova@ocfl.net
407.836.0963

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

Project consisted of a corridor assessment along International Drive (I-Drive) from Sand Lake Road, south to SR 528. I-Drive is a vibrant, dynamic center of activity for visitors and residents alike. This study was intended to further enhance the visitors' experience by developing recommendations for the tourist district that would integrate and enhance parking, wayfinding, connectivity, and circulation strategies. The study provided the basis for future planning and visioning, and to identify strategies to enhance the walkability of the area by identifying ways to improve the comfort, safety and accessibility of pedestrians. It identified ways to enhance modal integration; and to integrate and enhance parking, wayfinding, connectivity and circulation strategies. Field reviews were conducted to identify key pedestrian circulation issues, transit accessibility and parking facility demand and supply.



Recommendations for improvements were made in the following categories:

- Crosswalks
- Signalization
- Walkways and Bikeways
- Enhanced Lighting
- Landscaping
- Building Placement
- Access to and Promotion of Transit
- Shared Parking Agreements/Regulations
- "Park Once" Philosophy
- Signage and Wayfinding
- Access and Circulation
- Valet Parking Operations



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	WSP USA Inc.	Orlando, FL	Prime: Planning
b.			
c.			



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)

SR 524 Multimodal Corridor Study

Brevard County, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES

2016-2017

CONSTRUCTION (If Applicable)

N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Florida Department of
Transportation, District Five, DeLand
Florida

b. POINT OF CONTACT NAME

Judy Pizzo

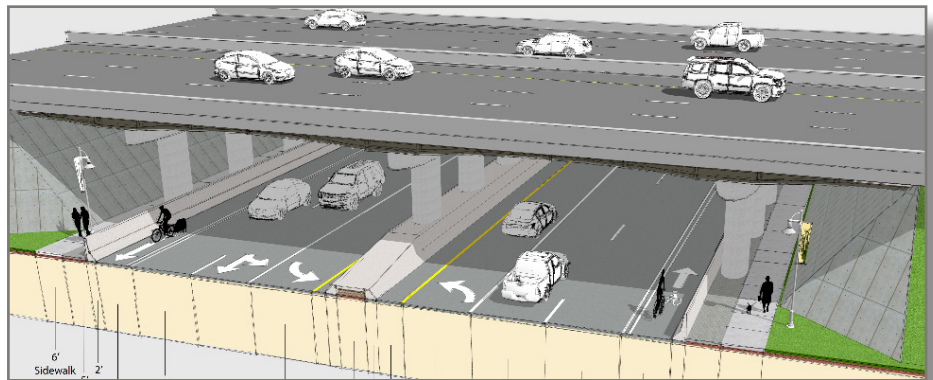
c. POINT OF CONTACT TELEPHONE NUMBER

judy.pizzo@dot.state.fl.us
386.943.5167

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

WSP is currently evaluating multi-modal, operational and capacity improvements for a three mile corridor in the City of Cocoa. This project was requested by the Space Coast TPO to coordinate the development of a future vision for the SR 524 corridor that establishes a multi-modal approach to providing for future transportation needs. This study involves a community-based evaluation to determine how best to meet the needs of current and future users, and to establish a long-term plan to guide evolution of the corridor that appropriately correlates the balance between land use and transportation planning.

SR 524 is currently a two lane roadway with limited pedestrian facilities, no bike lanes and only peripheral transit service. The corridor has a high crash rate and operational challenges. WSP is assessing the roadway from a Complete Streets perspective, making recommendations that will improve travel for all users. This project includes review of existing and future conditions, intersection analysis using SYNCHRO, development of multimodal alternatives and public and agency involvement.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	WSP USA Inc.	Orlando, FL	Prime: Concept Design
b.			
c.			



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

3

21. TITLE AND LOCATION (City and State)

Pine Hills Road Pedestrian/Bicycle Safety Study

Orange County, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES

Ongoing

CONSTRUCTION (If Applicable)

N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Orange County

b. POINT OF CONTACT NAME

Brian Sanders, Chief Planner

c. POINT OF CONTACT TELEPHONE NUMBER

brian.sanders@ocfl.net
407.836.8022

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

WSP is providing a comprehensive review of the Pine Hills Road study corridor to provide for the safe integration of people both walking and riding bicycles with other modes of transportation. The study area is focused on the roadway limits of Pine Hills Road from State Road 50/East Colonial Drive to Bonnie Brae Circle, approximately 3.6 miles. This study will place special emphasis on the Silver Star and Pine Hills intersection, consistent with the Pine Hills Road Neighborhood Improvement District, by focusing on and creating a safe, efficient and attractive pedestrian gateway and associated amenities at the intersection.

The study will collect data and public input for the identification of barriers and obsolete infrastructure, conduct an analysis of the data collected with the introduction of transportation safety countermeasures and enhancements and document the cost and schedule of recommended improvements in a study report. This study is being conducted in coordination with Orange County's Walk-Ride-Thrive! Initiative, Florida Department of Transportation's (FDOT) Alert Today Alive Tomorrow and Bike/Walk Central Florida's Best Foot Forward.

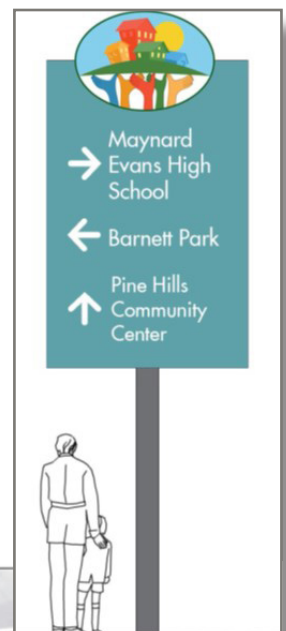
Features considered include:

Gateway Features

- Wider Colored/Textured Crosswalks
- Larger Colored/Textured Pedestrian Landings
- Gateway and Enhanced Signage/Wayfinding Signing
- Towers and Low Walls with Pine Hills Branding
- Connection to Pine Hills Trail Phase II
- Landscaping

Intersection Modifications

- All Red Signal Phase
- Pedestrian Signal Activation During Off-Peak Hours
- Reconstruct Curb Returns To Reduce Crossing Distances



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	WSP USA Inc.	Orlando, FL	Prime: Planning, Design
b.			
c.			



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)

Green Hills Area Study

Nashville, Tennessee

22. YEAR COMPLETED

PROFESSIONAL SERVICES

2011

CONSTRUCTION (If Applicable)

N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Tennessee Department of
Transportation

b. POINT OF CONTACT NAME

Steve Allen

c. POINT OF CONTACT TELEPHONE NUMBER

Steve.Allen@state.tn.us
615.741.2208

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

WSP was selected to provide transportation solutions for traffic congestion within and surrounding the Green Hills commercial district. Over the past 25 years, the Green Hills area has been the subject of numerous plans and studies to improve the transportation system, but these efforts lacked clear recommendations and an implementation plan.

Working with a Resource Team comprised of business owners, property owners, residents, and representatives from TDOT, the Metropolitan Nashville Departments of Public Works, the Metropolitan Nashville Planning Department, and the Nashville Mayor's Office, we developed future land use and transportation scenarios for the Green Hills area. An origin-destination study was undertaken, the existing transportation system was evaluated, and traffic conditions were modeled based on a future land use scenario for the area.



The results of the study process focused on transportation improvements that were people-oriented, and provided residents and visitors a range of transportation options to move both through and throughout the area. In order to achieve these goals, PB outlined recommendations and possible improvements in five categories: 1) Traffic and Roadway, 2) Transit, 3) Pedestrian and Bicycle, 4) Access Management, and 5) Streetscape.

The landscape architects were responsible for the proposed redesign of multiple streetscapes within the commercial district of Green Hills. A hierarchy of streetscapes were developed to support the various office, retail, residential and mixed use areas of the district. The plan included development of district gateway and signage features, pedestrian corridors between blocks, a pedestrian bridge over the arterial road that connected a high school with a shopping mall, revisions to the street network and a new connector road between an adjacent residential district and highway to the north. As part of the final step of the study process, We identified available public finance programs that could be utilized to accomplish the infrastructure needs in Green Hills Area and act as an incentive to accelerate and/or intensify private development.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	WSP USA Inc.	Orlando, FL	Prime: Traffic Modeling/Scenario Analysis, Public Involvement, Development of Area Plans and Finance Options
b.			
c.			



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)

**Countywide Bus and Auto/Rideshare Access to Transit Facility
Assessment Study**

Miami-Dade County, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES

2015

CONSTRUCTION (If Applicable)

N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Miami-Dade County Transportation
Planning Organization (TPO)

b. POINT OF CONTACT NAME

Wilson Fernandez

c. POINT OF CONTACT TELEPHONE NUMBER

wilson.fernandez@mdtpo.org
305.375.1886

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

WSP was selected by the Miami TPO to analyze and determine the adequacy and effectiveness of bus and auto/rideshare access to transit facilities, including passengers loading/unloading areas at multimodal station areas throughout Miami-Dade County. Miami-Dade Transit (MDT) is in the process implementing significant infrastructure, service, and operations improvements. Transit facilities that provide optimum access, capacity, utilization, circulation, passenger throughput, design, and safety, are needed for these improvements to be successful. Some of the existing bus and auto/rideshare access deficiencies to be assessed are:

1. Over-utilized facilities that are currently operating at or near capacity;
2. Facilities that are entirely lacking or have inadequate functionality; and
3. Under-utilized facilities with low or minimal demand.

WSP was responsible for developing a set of conceptual plans for purposes of implementing an integrated set of access and circulation improvements at six (6) multimodal facilities: 1.) Brickell Metromover/Metrorail Station; 2.) SW 152nd Street park-and-ride; 3.) SW 168th Street park-and-ride; 4.) SW 244th Street park-and-ride; 5.) SW 296th Street park-and-ride; 6.) SW 112th Avenue park-and-ride.

At each of these locations, WSP identified major challenges and issues related to pedestrian, bicycle, automotive and transit access and circulation. In collaboration with the MPO and MDT the WSP Team developed strategies to address such issues in the short-term, mid-term and long-term to ensure among transit facilities are able to accommodate future demand. WSP also developed an interactive tool based upon national research of best practices for purposes of assessing pedestrian, automotive bicycle and transit access at existing facilities with an application to identify an inventory of infrastructure and considerations for new facilities.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	WSP USA Inc.	Miami, FL	Prime: Planning
b.			
c.			



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)

Downtown Miami Bus Lanes Study

Miami-Dade County, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES

2016

CONSTRUCTION (If Applicable)

N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Miami-Dade County Transportation
Planning Organization

b. POINT OF CONTACT NAME

Wilson Fernandez

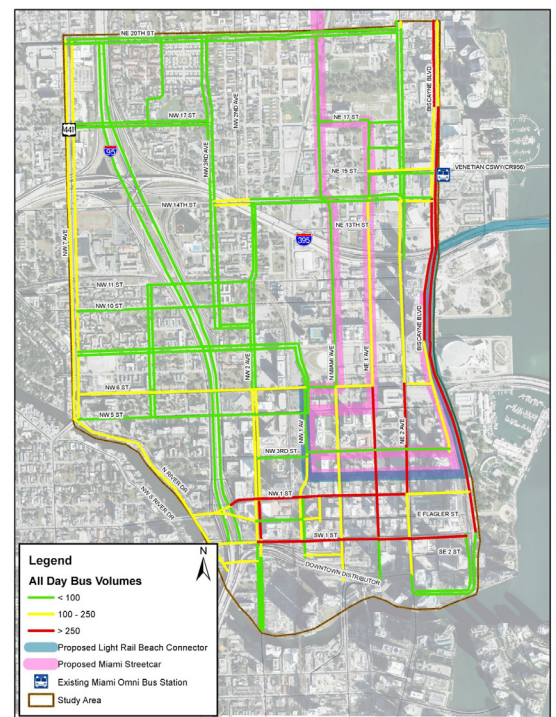
c. POINT OF CONTACT TELEPHONE NUMBER

wilson.fernandez@mdtpo.org
305.375.1886

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

Transit services that operate within Downtown Miami are continuing to experience increasing travel delays, slower operating speeds and a reduction in on-time performance due to an increasingly congested roadway network. Future mixed-use development and the growth in popularity of Downtown Miami as a residential, employment and entertainment center for the south Florida region will continue to degrade downtown mobility. WSP was selected by the Miami TPO to identify bus operation improvements to increase the carrying capacity of the congested travel network providing opportunities for specific priority measures for implementation throughout the Downtown Miami area.

WSP provided service recommendations to reduce travel time and improve the reliability of bus operations in the downtown area. The service recommendations were based upon an assessment of the downtown area corridors and identification of various transit priority improvements that can be applied to increase operating speed and improve travel time reliability for local and regional type bus service.





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)

I-275 (SR 93) From SR 60 (Memorial Highway) to the Hillsborough River
Hillsborough County, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2013

CONSTRUCTION (If Applicable)
2016

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Florida Department of
Transportation, District Seven

b. POINT OF CONTACT NAME

Amy Neidringhaus, PE

c. POINT OF CONTACT TELEPHONE NUMBER

amy.neidringhaus@dot.state.fl.us
813.975.6169

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

WSP served as the lead design engineer on the \$225-million Skanska/Ajax Paving joint venture (JV) design-build team for the I-275 (SR 93) widening from SR 60 (Memorial Highway) to the Hillsborough River. This high-volume corridor in FDOT's District Seven is the backbone for commerce in a three-city region linking Tampa, St. Petersburg, and Clearwater. Under this contract, the 4.4-mile stretch of I-275 was widened to establish eight through lanes of traffic, four northbound and four southbound, and to provide a 132-foot-wide corridor to accommodate future transit. This project was designed and built to accommodate future widening for managed lanes or other transit opportunities, and includes four collector distributor lanes, five interchanges, and 21 bridges.

The project also featured a multitude of pedestrian features, including high-emphasis pedestrian and bicycle markings and specialty lighting for pedestrian/bicycle users. The City of Tampa's West Tampa Greenway was extended west of Dale Mabry Highway. Linear parks were constructed with a bicycle/ pedestrian trail along I-275, which featured ornamental lighting, decorative landscape architecture, and gentle curvature to provide a more aesthetic and natural appeal to pedestrians and bicyclist. A two-phased pedestrian crossing is provided at the interchange of I-275 and Dale Mabry Highway with decorative landscape. In addition, midblock crosswalks were installed on Cypress Street featuring rectangular rapid flashing beacons (RRFB) and emphasized retroreflective markings with brick pattern inlays. Bicycle and pedestrian features were installed at all side streets and along Green Street, a low-speed facility running adjacent to I-275 that includes a mix of housing, commercial properties, churches, and Macfarlane Park. Crosswalks were designed with pedestrian refuge islands where they could be accommodated to increase safety. Landscaping was included where right-of-way allowed. Architectural features were incorporated into the walls and the bridge structures with emphasis being placed on areas of high visibility. Aesthetic enhancements such as specialty lighting, fencing, and paving are also included in the project. Sound barrier walls were also constructed in areas where warranted.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	WSP USA Inc.	Tampa, FL	Lead Design Engineer
b.			
c.			



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)

SMART Plan Corridor Inventory – South Dade Transitway Corridor
Miami-Dade County, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2015

CONSTRUCTION (If Applicable)
N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Miami-Dade Transportation
Planning Organization

b. POINT OF CONTACT NAME

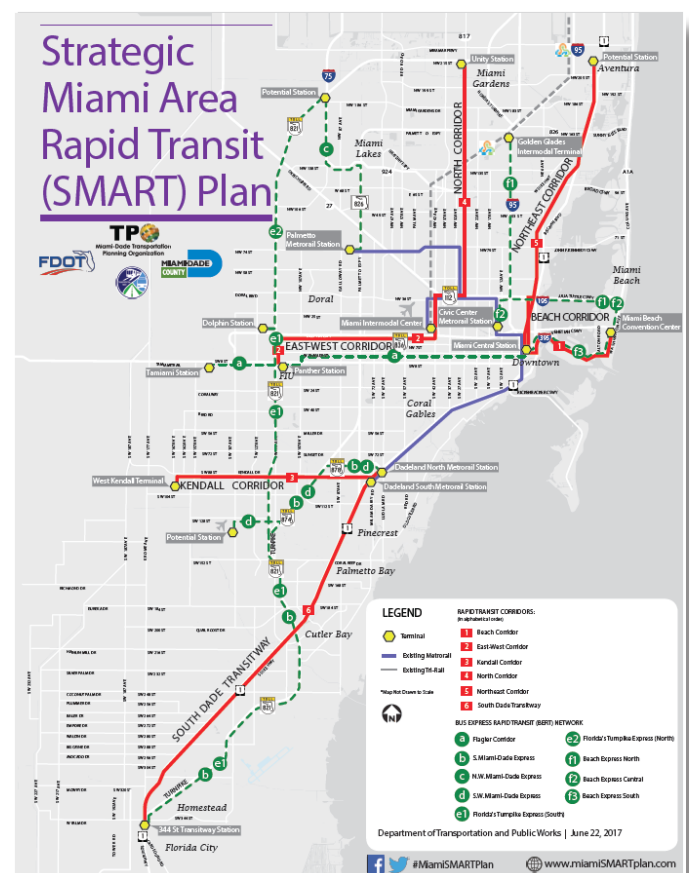
Mary-Tery Vilches

c. POINT OF CONTACT TELEPHONE NUMBER

maria.vilches@mdtpo.org
305.375.2069

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

WSP was selected by the Miami-Dade Transportation Planning Organization (Formerly the Miami MPO) to collect available demographic and socioeconomic data to prepare a preliminary inventory of the current land use along the 20 mile corridor. On April 21, 2016, the Miami-Dade MPO Governing Board passed the Strategic Miami Area Rapid Transit (SMART) Plan in recognition of the necessity to advance a program of rapid transit initiatives to address the mobility needs throughout Miami-Dade County. The South Dade Transitway Corridor is approximately 20 miles long the extends between Dadeland South Metrorail Station along the existing South Miami-Dade Transitway to the SW 344th Street Park-and-Ride/Transit Terminal. This Corridor will connect Florida City, City of Homestead, Town of Cutler Bay, Village of Palmetto Bay, and Village of Pinecrest, which represents the fastest population growth in Miami-Dade County. WSP is responsible for a detailed and extensive data collection effort and GIS mapping of the project corridor to fully document and create an existing condition profile of the study area.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	WSP USA Inc.	Miami, FL	Prime: Planning
b.			
c.			



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

9

21. TITLE AND LOCATION (City and State)

CSX East-West Corridor Transit Oriented Development Study
Miami-Dade County, Florida

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2016

CONSTRUCTION (If Applicable)
N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Miami-Dade Transportation
Planning Organization

b. POINT OF CONTACT NAME

Wilson Fernandez

c. POINT OF CONTACT TELEPHONE NUMBER

wilson.fernandez@mdtpo.org
305.375.1886

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

The Miami TPO selected WSP to conduct an analyses to determine the land use measures necessary to promote transit-oriented development (TOD) patterns along the CSX East-West rail corridor. The CSX East-West rail corridor study determined that introduction of passenger rail service along this corridor is feasible. This rail corridor extends from the Miami Intermodal Center (adjacent to MIA) westward approximately 11 miles to NW 137th Avenue mostly paralleling SR 836/Dolphin Expressway. The location of the rail corridor adjacent to the expressway facility creates many challenges to integrate with other surrounding land uses to support the rapid transit corridor.

WSP through this work order applied various principles of TOD to create a corridor vision plan to demonstrate how the planning and design concepts can help to visualize and create greater activity through increased density, mixed use development, reduced parking ratios, walkable environment, and enhanced intermodal connections at major transportation nodes. With greater activity these transportation nodes, or stations, became more viable investments and form part of a vibrant accessible community.

A major part of this work effort was the creation of visualization TOD plans at each proposed station area to include multiple images to depict a planning vision that incorporates mixed use development, recreational and landscape features while promoting the livability and walkability of stations areas with a station as the focal point.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	WSP USA Inc.	Miami, FL	Prime: Planning
b.			
c.			

EXPERTISE AND EXPERIENCE

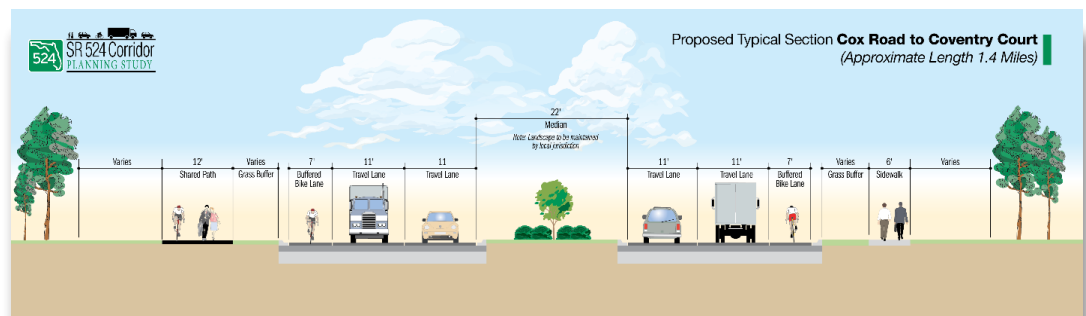
Projects big or small often involve coordination with design professionals, multiple City departments, other agencies and organizations. **Coordination** is key to efficient use of manpower and materials, which directly translates to schedule and cost savings. Effective coordination will assure that a clear understanding exists between the City's project manager and our team regarding the goals, objectives and needs of each individual assignment. Although public involvement is not included under this contract, we believe that the WSP Team is uniquely qualified to take a personalized approach to each assignment. Our project coordination experience includes one-on-one meetings with residents, Home Owners Associations (HOA), elected officials and their staff. Our suggested approach is as follows:

- **Ms. Elia Nuñez, P.E** will serve as our Project Manager. Ms. Nuñez, will serve as a single point of contact to the City's Project Manager. She has excellent project management skills and vast knowledge of all aspects of the design process. Ms. Nuñez's previous experience working in local government brings the perspective of the municipality and local elected officials and will significantly enhance the coordination efforts. She understands the importance of timeliness and responsiveness and will ensure that the lines of communication are always open to the City.
- Upon receipt of a task assignment, Ms. Nuñez will select the Task Leader and staff with the experience and availability best suited for the assignment. To accommodate concurrent assignments, we have structured our team to include multi-disciplinary task leaders who are highly qualified professionals. In addition, we have selected **Mr. Shriram Ramaratnam** to serve as the Deputy Project Manager to assist Ms. Nuñez for this contract. He has extensive knowledge and experience as a Lead Traffic Engineer for several projects within Miami-Dade County. His experience includes multimodal traffic analysis and modeling.
- Ms. Nuñez and the Task Leader will coordinate all project activities with subconsultants and the City's Project Manager at the intervals required by each individual assignment. The Team will coordinate via email and/or attend meetings with the City's PM to ensure they have the information needed to address project-related issues in an efficient and timely manner. Ms. Nuñez will keep the City Project Manager fully informed on the status of each assignment through regularly scheduled progress meetings and informal updates.

Each task will begin with a pre-scope analysis, which will involve field reviews to assess the existing conditions of the project site and identify areas of concerns. Our Team will review available information such as, lighting, road conditions, ADA assessments, safety and crash data, access management concerns, bicycle lane evaluations, sign and signal conditions as well as pedestrian and transit facility assessments to have a better understanding of the existing conditions. The Team will meet with the City project Manager to identify the needs of the project and define the scope. The WSP team understands the need to **design for safety** on public projects and therefore will work with staff to ensure the appropriate design criteria and standards are met. The Team is knowledgeable with local, state and Federal government agency design standards and permitting requirements, including DTPW, FDOT, RER, FDOT, SFWMD and FDEP.

WSP understands the City's need to develop projects that include multimodal transportation needs. In the last few years, cities have expanded their transportation planning to include emphasis on non-automobile modes. In addition, other factors such as safety, community involvement, social and environmental impact components are considered. This offers more **livable communities** and creates a variety of project types not exclusively focused on automobile traffic. Projects such as **road diets** are used to reduce the number of lanes and increase the pedestrian space. Enhanced features including landscaping, lighting, decorative sidewalks and parking can be features added to a corridor.

For example, Ms. Nuñez worked closely with engineers while at the City of Miami in performing a traffic analysis along SW 27th Ave between Coral Way and US-1 to reduce the number of lanes from two to one in each direction. Typical sections were developed that included landscape medians, parking lanes and wider sidewalks with tree pits along the corridor. The design considered reducing the travel speeds along the corridor. Additional projects were designed and implemented in residential neighborhoods reducing width of lanes and accommodating new swale areas and parking for residents. Currently WSP is conducting a Multimodal Corridor Study along SR 524 assessing the roadway from a **Complete Streets perspective**, making recommendations that will improve travel for all users.





These projects required continuous coordination and involvement from the public and permitting agencies for approval. State and county agencies have started to change their standards to accommodate the need for their cities to create and maintain more desirable and vibrant neighborhoods. Where standards may not exist, design exceptions and variations are reviewed and approved by the agencies. These are two approval processes established by the state that county agencies also follow. Reasons to consider an exception or variance must be analyzed and documented for approval. Alternative solutions must also be considered. Ms. Nuñez's previous public sector experience on these types of projects and coordination efforts uniquely positions her to leverage her relationships and expertise to deliver practical, permissible solutions to address the City's needs.

Typical Design Exceptions	Typical Design Variations
<ul style="list-style-type: none"> • Design Speed • Lane Width • Vertical Clearance • Grade • Cross Slope • Horizontal Alignment • Vertical Alignment • Stopping Sight Distance • Horizontal Clearance 	<ul style="list-style-type: none"> • Border Width • Sidewalk • Bike Lanes • Hand Rails • Front Slope



CORAL GABLES
THE CITY BEAUTIFUL

Multimodal Transportation Planning and Engineering Consulting Services

SECTION III Staffing Plan



wsp

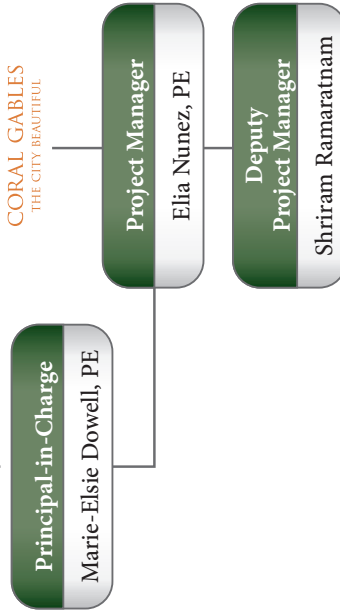
Multimodal Transportation Planning and Engineering Consulting Services



RFQ 2017.05.YG



CORAL GABLES
THE CITY BEAUTIFUL



STAFF ORGANIZATION

Subconsultants

(AI) AMBRO, Inc.
(CEG) CALTRAN Engineering Group, Inc.
(FB) Fernandez-Beraud, Inc.
(KA) Keith and Associates, Inc.
(PSI) Professional Services Industries, Inc.

All staff are WSP employees unless otherwise noted.

Support Services

Traffic Engineering
Charles Hart, PE, PTOE
Somaye Fakharian Qom, PhD
Shruti Tekale

Drainage Design
Andres Cardona, PE
Mauricio Paredes, PE
Emile Amedee, PE (AI)

Transportation/Mobility Planning
John Lafferty
Thomas Rodrigues, AICP
Shriram Ramaratnam

Travel Demand
Rosella Picado, PhD
Raghu Sidharthan, PhD

Roadway Design
Cecilia Villoria, PE
Carlos Benavides, PE

Construction Management/CEI/Cost Estimates
Eduardo Rodriguez, PE
Ron Fields, PE

Geotechnical Engineering/Materials Testing
Juan Villegas, PE (PSI)
Carlos Duque (PSI)

Complete Streets
Michelle L. Kendall, AICP
Laura Minns, AICP

Roadway & Site Lighting Design
Frank Gonzalez, PE (AI)

Signalization Design
Amanda Kreiling, PE, PTOE
Burak Konuk, PE, PTOE

Maintenance of Traffic/Traffic Control
Yamila Hernandez, PE
Dayami Cruz, EI

GIS Services
Thomas Rodrigues, AICP
Zachary Parnas

Traffic Data Collection
Juan Calderon, PE, PTOE (CEG)
Carlos Perez, PE (CEG)

Landscape Design
Leticia Fernandez-Beraud, LA (FB)
M. Christopher Alonso (FB)

Survey Services/SUE
Timothy H. Gray, PSM (KA)
Daniel Checchia (KA)

Utility Locates
Emile Amedee, PE (AI)
Fredrick Reviere, PE (AI)

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

12. NAME Elia Nuñez, PE	13. ROLE IN THIS CONTRACT Project Manager	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. Total</td> <td>b. With Current Firm</td> </tr> <tr> <td>17</td> <td>1</td> </tr> </table>		a. Total	b. With Current Firm	17	1
a. Total	b. With Current Firm						
17	1						
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Miami, FL)							
16. EDUCATION (Degree and Specialization) BS, Civil Engineering; B.A., Architectural Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL					
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Interconnected Pond Routing Model (ICPR), Geopak Road/ Geopak Drainage, and Advanced Maintenance of Traffic (MOT)							

19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State) SR 968/Flagler Street Premium Transit Project Development & Environment (PD&E) Study, Miami, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2016-Present	CONSTRUCTION (If Applicable)	
a. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <p>Project identified in the Strategic Miami Area Rapid Transit (SMART) Plan as a Bus Express Rapid Transit Service (BERT), to be prioritized for premium transit services. This study focuses on providing multimodal street improvements and premium transit service, but will also include other roadways and expressways connecting to SR 968/Flagler Street for accommodating potential branched transit routes that will be part of the proposed Premium Transit service. The project is multidisciplinary and involves overseeing and coordinating with various specializations including transportation planning, transit planning, complete streets, traffic engineering, traffic data collection, roadways, drainage, environmental, architecture, public involvement and preliminary design. As Deputy Project Manager, her duties include working closely with each design team and sub-consultants on the project development overseeing project schedule and budget. In-addition coordinating with FDOT regularly for progress meetings, attending one on one briefings with elected officials and other key partners.</p>	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
b. (1) TITLE AND LOCATION (City and State) Town of Miami Lakes, Miami, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2015-2017	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <p>The department implements projects related to construction and design services, that improve the quality of life throughout city neighborhoods. This work includes: road and sidewalk repairs, storm sewer upgrades, drainage, park improvements, structural upgrades to existing city facilities, and new construction. As the Director of Public Works and CIP, supervised and managed staff and consultants performing day-to-day operations, design and construction activities for the Department of PW and CIP for the Town. Duties included directing, planning and coordinating with Town staff, Town Manager, Commissioners, residents and outside agencies as necessary.</p>	<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
c. (1) TITLE AND LOCATION (City and State) Capital Improvement Program (CIP), City of Miami, Miami, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2010-2015	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <p>The department implements projects related to construction and design services, that improve the quality of life throughout city neighborhoods. This work includes: road and sidewalk repairs, storm sewer upgrades, drainage, park improvements, structural upgrades to existing city facilities, and new construction. Key Role: Chief Design PM for CIP responsible for managing, directing and administration of department's professional design staff to ensure success in overseeing the work of architectural and engineering consultants in the design of City projects. This includes assuring master plans (Engineering, Transportation and Site Development) and schedules are followed for successful completion of the projects and assuring projects get completed within budget.</p>	<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
d. (1) TITLE AND LOCATION (City and State) Normandy Drive (SR934) from NE 71st Street to Rue Notre Dame (RRR), Normandy Isle, City of Miami Beach, FL, FDOT District Six	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2006	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <p>Rehabilitation project along Normandy Drive beginning at Rue Notre Dame and N.E. 71st Street. The existing roadway is the westbound section of a one-way pair urban principal arterial in a residential area. As the lead Project Engineer, responsible for overseeing the development of the roadway plans, signing and pavement marking plans. In addition worked closely with district office in developing pavement design package, design variations/exceptions package, and typical section package.</p>	<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
e. (1) TITLE AND LOCATION (City and State) SR 826 (Palmetto Expressway) Improvements Program Design-Build Project, Section 2, Miami-Dade County, FL, FDOT District Six	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2009	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <p>Project consisted of widening and reconstruction of the limited access facility from South of Sunset Drive to North of Southwest 31st Street and includes the Miller Drive (SW 56th Street), SR 874 and SR 976 (Bird Road / SW 40th Street) Interchanges. The proposed improvements include the addition of one general use lane in each direction; auxiliary lanes between all interchanges; interchange improvements and, operational and safety improvements along the SR-826 mainline and ramps. Primary Responsibilities Include: Assisting the Project Manager with the preparation of the Typical Section Packages, Pavement Design Packages, Design Variations and Design Exceptions needed for the project.</p>	<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		

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

12. NAME Shriram Ramaratnam		13. ROLE IN THIS CONTRACT Deputy Project Manager / Transportation/Mobility Planning		14. YEARS EXPERIENCE a. Total 11 b. With Current Firm 1	
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Miami, FL)					
16. EDUCATION (Degree and Specialization) MCE, Transportation Engineering; MS, Chemistry; BS, Civil Engineering			17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Salman Dougals, Jeannotte Krista, Morillos Dorothy, & Ramaratnam Shriram (2009). "Applying Analysis Tools in Planning for Operations: Case Study #1- Operations Strategy Impact Reference and Deployment Guidance". Federal Highway Administration Report FHWA-HOP-10-002.					
19. RELEVANT PROJECTS					
a.	(1) TITLE AND LOCATION (City and State) SR 976/SW 40 Street/Bird Road Corridor Study, Miami, FL		(2) YEAR COMPLETED		
			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		
The corridor study objectives include: evaluating existing transportation conditions; identifying recurring congestion locations, operational deficiencies and safety issues; developing future traffic volume and transit ridership forecasts; address existing and future mobility needs; developing prioritized recommendations for multimodal transportation improvements and analyses. Mr. Ramaratnam, as the deputy project manager, is responsible for managing and overseeing travel demand modeling and corridor validation; transit data collection, analysis and transit ridership assessment, development of project traffic and transit ridership forecast.					
b.	(1) TITLE AND LOCATION (City and State) SR 968/Flagler Street Premium Transit Project Development & Environment (PD&E) Study, Miami, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2016-Present	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		
In 2016, the SR 968/Flagler Street/SW 1 st Street Corridor was identified in the Strategic Miami Area Rapid Transit (SMART) Plan as a Bus Express Rapid Transit Service (BERT), to be prioritized for premium transit services. This study focuses on providing multimodal street improvements and premium transit service, but will also include other roadways and expressways connecting to SR 968/Flagler Street for accommodating potential branched transit routes that will be part of the proposed Premium Transit service. As the project manager, Ms. Dowell is responsible for overseeing the PD&E study. Senior Project Engineer responsible for overseeing, reviewing and coordinating the analysis of various alternatives that include roadway capacity improvements, as well as multimodal and premium transit alternatives. The role specifically includes overseeing and reviewing the various alternatives, market analysis, conceptual design plans and also coordinating with traffic, travel demand modeling, roadway design teams and other sub-consultants.					
c.	(1) TITLE AND LOCATION (City and State) East-West Corridor Metrorail Extension Project Development – Phase I, Miami, FL		(2) YEAR COMPLETED		
			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		
The East-West Corridor is identified in the Strategic Miami Area Rapid Transit (SMART) Plan as a priority corridor for implementation of rapid transit service. WSP is assisting DTPW with preliminary engineering as well as the preparation of all necessary environmental documentation required in order to make the project eligible for state and/or federal funding is completed. Mr. Ramaratnam, as the Senior Project Engineer, is responsible for developing and coordinating engineering analysis, analyzing existing traffic and transit conditions, travel demand model development and ridership estimation, alternatives analysis and evaluation, and selection of preferred alternative alignment.					
d.	(1) TITLE AND LOCATION (City and State) Atlanta Radial Highways Microsimulation, Georgia Department of Transportation (GDOT), Atlanta, GA		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE			<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
Traffic congestion on metro Atlanta highways is still a serious threat to the region's environmental and economic well-being. GDOT systematically evaluated Metro Atlanta's highway system. The Radial Freeway Strategic Improvement Plan (RFSIP) was a key step toward a comprehensive understanding of the transportation system's current and future needs. Mr. Ramaratnam, as the deputy project manager managed and coordinated the development of mesoscopic and microscopic traffic operations models for the 10 Atlanta Radial Freeways.					
e.	(1) TITLE AND LOCATION (City and State) Manhattan Traffic Model, New York City Department of Transportation (NYCDOT), New York City, NY		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE			<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
The New York City Department of Transportation (NYCDOT) developed an integrated traffic modeling program that evaluates traffic at the macroscopic (regional) level, mesoscopic (citywide) level, and at the microscopic (local) level – together called the Manhattan Traffic Model (MTM). Mr. Ramaratnam as the Senior Project Engineer managed and led the development of an integrated mesoscopic, microscopic and pedestrian modeling platform for estimating the impacts of operational changes to the roadway network in the Manhattan Central Business District and adjacent arterial roadways to support planning studies. The integrated modeling platform incorporates NYMTC's Best Practice Model (BPM), an Aimsun mesoscopic traffic model and an Aimsun microscopic traffic model.					

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

12. NAME Marie-Elsie Dowell, PE	13. ROLE IN THIS CONTRACT Principal-in-Charge	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. Total 30</td> <td>b. With Current Firm 24</td> </tr> </table>		a. Total 30	b. With Current Firm 24
a. Total 30	b. With Current Firm 24				
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Miami, FL)					
16. EDUCATION (Degree and Specialization) BS, Civil Engineering; A.A., Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL			

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

Publications

"Comparing Unconventional Intersection Design to a Single-Point Intersection," PB Network No. 61, June 2002; "Simulating Traffic Operations of Miami's Intermodal Facilities," PB Network No. 52, June 2002; "Super arterial Network Concept," PB Network No. 43, July 1998; "GIS/Transportation Modeling/Air Quality: Positioning PB to Meet the Challenge," presented at the PB Technical Exchange Seminar, December 1997.

19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Miami-Dade Department of Transportation and Public Works Capital Improvement Plan, Miami, FL	PROFESSIONAL SERVICES 2016-Present	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		
	Miami-Dade Department of Transportation and Public Works Capital Improvement Plan-Program Management Consultant, Florida: Contract includes providing technical and operation planning, traffic and transit studies, PD&E studies, design permitting, engineering inspections, right-of-way support, survey, structural, geotechnical, electrical, construction cost estimating and other professional services required for both Public Works and Transit projects. As the Program Manager, Ms. Dowell's responsibilities include continuous coordination with the contract manager and each Task Work Order Manager, advising on project schedule, progress and potential issues and solutions.		
b.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	SR 968/Flagler Street Premium Transit Project Development & Environment (PD&E) Study, Miami, FL	PROFESSIONAL SERVICES 2016-Present	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		
	In 2016, the SR 968/Flagler Street/SW 1 st Street Corridor was identified in the Strategic Miami Area Rapid Transit (SMART) Plan as a Bus Express Rapid Transit Service (BERT), to be prioritized for premium transit services. This study focuses on providing multimodal street improvements and premium transit service, but will also include other roadways and expressways connecting to SR 968/Flagler Street for accommodating potential branched transit routes that will be part of the proposed Premium Transit service. As the project manager, Ms. Dowell is responsible for overseeing the PD&E study. Ms. Dowell coordinates with all stakeholders such as FDOT D6, DTPW, Miami-Dade TPO) and also various municipalities along the corridor.		
c.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	U.S. Virgin Islands Transportation Master Plan, U.S. Virgin Islands	PROFESSIONAL SERVICES 2016	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		
	Ms. Dowell spearheaded the development of a territory-wide transportation master plan for the four islands in the U.S. Virgin Islands. The transportation plan looks at all modes of transportation provides recommendations for addressing current and future transportation needs. The project also included development of a travel demand model using TransCAD and an extensive series of surveys (transit, visitors and households), creation of highway and transit networks, mode choice model and land-use update. The plan is tailored to each island and captures their unique character and transportation needs.		
d.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	General Planning Consultant Model Development and Application, Florida Department of Transportation District Four	PROFESSIONAL SERVICES 2017	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		
	Under this contract, Ms. Dowell is managing various tasks, including development of a Household Survey white paper featuring extensive research on the travel approaches used in other large metropolitan areas in the nation. As the prime consultant, WSP is providing professional planning services in developing and applying the newly developed Activity Based travel demand forecasting model. Additionally the firm is serving as an extension to the FDOT District 4 Planning and Environment Management Office, especially to the Systems Planning staff.		
e.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	SR 7/U.S. 441 Project Development and Environment (PD&E) Study, FDOT District Four	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		
	Ms. Dowell as the project manager for this 7-mile (11-kilometer) corridor was responsible for development of traffic forecasts for highway and transit options. The scope of work included preparation of various analysis and reports including corridor validation, travel market analysis, baseline alternative development and travel demand forecast reports. She also oversaw the traffic operation analyses from development of design hour volumes to VISSIM operational analysis including calibration of existing conditions and development of measures of effectiveness for the future year analyses and alternatives.		

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	
Charles Hart, PE, PTOE	Senior Traffic Engineer	a. Total 13	b. With Current Firm 11
15. FIRM NAME AND LOCATION (CITY AND STATE)			
WSP USA Inc. (Miami, FL)			
16. EDUCATION (Degree and Specialization)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
BS, Civil Engineering		Professional Engineer: FL; Professional Traffic Operations Engineer	

19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	State Road (SR) 7 Project Development and Environment (PD&E) Study from Sample Road to Glades Road, FDOT District Four, FL	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
		2014	
b.	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
	Senior project engineer responsible for evaluating the existing traffic conditions and analysis of alternatives that include roadway capacity improvements, as well as multimodal and premium transit alternatives. The scope of work for this project included the preparation of various analysis and reports including corridor validation, travel market analysis, baseline alternative development and travel demand forecast reports. WSP's travel demand services were also extended to cover the connecting Glades Road Corridor and provide the necessary forecast and design hour volumes to the consultant performing the PD&E study on that corridor. The project also included traffic operational analysis from development of design hour volumes to VISSIM operational analysis including calibration of existing conditions and development of measures of effectiveness for the future year analyses and alternatives.		
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
c.	U.S. Virgin Islands Master Plan, Government of the U.S. Virgin Islands	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
		2016	
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
d.	Senior project engineer assisting with an island-wide master plan aimed at developing, operating and maintaining an integrated transportation system that promotes safe, reliable, cost-effective and efficient movement of people, services and goods. A key aspect of this project involves the development of a multi-island travel demand model. Managed the development and administration of a traffic count program for establishing accurate existing conditions traffic analysis and for the development of travel demand model zonal, highway and transit input networks.		
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	SR 968/Flagler Street Premium Transit Project Development & Environment (PD&E) Study, Miami, FL	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
2016-Present			
e.	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
	Senior engineer responsible for traffic analysis and traffic projections for the various alternatives proposed on Flagler Street and SW 1 st Street from West 27 th Avenue to West 2 nd Avenue. Estimated future traffic projections using the Miami-Dade County Metropolitan Planning Organization (MPO) Urban Area Planning Model for various build alternatives, developed future design hour traffic conditions and analyzed existing and future conditions using Synchro and HCS software.		
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
f.	Districtwide (D/W) Transportation Statistics Support, FDOT District Six, FL	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
		Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
g.	Deputy sub consultant project manager (PM) for this on-call services consultant contract. Assignments include project traffic forecasts (travel demand), geographic information system (GIS) support and miscellaneous onsite planning support services. In addition, present tasks include the development of the project scope and budget, man-hour management and invoicing.		
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Fort-Lauderdale Downtown Circulator, Downtown Development Authority, Broward County, FL	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
2009			
h.	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
	Senior engineer responsible for the development of travel demand forecast using SERPM 6 for the various options under the alternatives analysis phase of the Environmental Assessment study. Responsible for analyzing the results of the transit on-board survey and using the travel demand forecast to identify the various travel markets (workers, residents, and visitors) into and out of the Fort Lauderdale Downtown area. Responsibilities also included developing design hour volumes for each multimodal alternative tested.		

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

12. NAME Somaye Fakharian-Qom, PhD	13. ROLE IN THIS CONTRACT Traffic Engineer	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. Total</td> <td>b. With Current Firm</td> </tr> <tr> <td>10</td> <td>1</td> </tr> </table>		a. Total	b. With Current Firm	10	1
a. Total	b. With Current Firm						
10	1						
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Miami, FL)							
16. EDUCATION (Degree and Specialization) PhD, Civil Engineering; MS, Civil Engineering; BS, Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)					
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <ul style="list-style-type: none"> • "Queue Length Estimation for Freeway Facilities: Based on Combination of Point Traffic Detector and Automatic Vehicle Identification Data. Transportation Research Record: Journal of the Transportation Research Board, No 2616, 19-26. Fakharian Qom, S., Hadi, M., Xiao, Y., & Al-Deek, H. (2017). • "Evaluation of Cooperative Adaptive Cruise Control (CACC) Vehicles on Managed Lanes Utilizing Macroscopic and Mesoscopic Simulation", Fakharian Qom, S., Xiao, Y., and Hadi, M. (2016). Transportation Research Board, 95th Annual Meeting, Washington D.C., USA, January 12-16, 2016, No 16-6384. • "Estimation of Freeway Density Based on the Combination of Point Traffic Detector Data and Automatic Vehicle Identification Data", Transportation Research Record: Journal of the Transportation Research Board, No 2484, pp. 110-118. Fakharian Qom, S., Xiao, Y., Hadi, M., and Al-Deek, H. (2015). • "Use of Data from Point Detectors and Automatic Vehicle Identification to Compare Instantaneous and Experienced Travel Times", Transportation Research Record: Journal of the Transportation Research Board, No 2470, pp. 95-104. Xiao, Y., Fakharian Qom, S., Hadi, M., and Al-Deek, H. (2014). • Estimating missing traffic data using artificial neural network. In Proceedings of Second International Conference on Intelligent Network and Computing (ICINC 2010) (pp. 144-147). Mahmoudabadi, A., and Fakharian, S. (2010). 							
19. RELEVANT PROJECTS							
(1) TITLE AND LOCATION (City and State) SR 968/Flagler Street Premium Transit Project Development & Environment (PD&E) Study, Miami, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2016-Present</td> <td></td> </tr> </table>			PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2016-Present	
PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)						
2016-Present							
a. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM In 2016, the SR 968/Flagler Street/SW 1st Street Corridor was identified in the Strategic Miami Area Rapid Transit (SMART) Plan as a Bus Express Rapid Transit Service (BERT), to be prioritized for premium transit services. This study focuses on providing multimodal street improvements and premium transit service, but will also include other roadways and expressways connecting to SR 968/Flagler Street for accommodating potential branched transit routes that will be part of the proposed Premium Transit service. Traffic data analyst is responsible for all existing traffic data required for this PD&E Study.							
(1) TITLE AND LOCATION (City and State) NCHRP, Dedicating Lanes for Priority or Exclusive Use by Connected and Automated Vehicles, Baltimore, MD	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>Ongoing</td> <td></td> </tr> </table>			PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	Ongoing	
PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)						
Ongoing							
b. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Automated/Connected Vehicle (AV/CV) modeler responsible for reviewing, modeling and analyzing of AV/CV. The objective of this research is to develop guidance on identifying and describing conditions amenable to dedicating lanes for CV/AV users. The guidance should also identify current laws and regulations that constrain the ability to take those actions. The deliverables should describe how to measure benefits to CV/AV users in the dedicated lanes, and operating agencies, as well as possible dis-benefits to non-users and affected agencies as a function of market penetration and other relevant factors. This work should be coordinated with and build on work underway by the Crash Avoidance Metrics Partnership (CAMP) on cooperative adaptive cruise control, as well as complementary work currently underway at the FHWA. Somaye is involved in Tasks 2 and 3 of this project.							
(1) TITLE AND LOCATION (City and State) Instruction Manual of SunGuide® Program Progress Reports, Performance Measurement of Transportation Systems, FDOT District Seven	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2016</td> <td></td> </tr> </table>			PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2016	
PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)						
2016							
c. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM This project provides instructions on how to prepare these quarterly and annual reports. This manual includes the overall process for the SunGuide® reporting production. Moreover, it includes detailed information on the data sources and the instructions for processing the data, calculating the performance measures, and producing the reports. The overall process for preparing the SunGuide® progress reports includes obtaining the necessary data, running a specially designed Visual Basic program (called Data Tool herein) to process the data, analyzing the data, and compiling the results into a meaningful report.							
(1) TITLE AND LOCATION (City and State) SR 9/SR 817/NW 27th Avenue Premium Transit PD&E Study, Miami, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2016-Present</td> <td></td> </tr> </table>			PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2016-Present	
PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)						
2016-Present							
d. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM In 2016, the NW 27 th Avenue Corridor was identified by the Strategic Miami Area Rapid Transit (SMART) Plan to be prioritized for premium transit services. This study will focus on the implementation of an exclusive premium transit running way and infrastructure on NW 27 Avenue. The study will include transit stations/stops located along NW 27 Avenue near major intersections with the study limits. Additionally, the study will also include public and/or private facilities located adjacent to or off-corridor where potential park-and-ride and/or transit terminals (including the Miami-Dade College North Campus) will be considered. Traffic data analyst is responsible for all existing traffic data required for this PD&E Study.							

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

12. NAME Shruti Tekale	13. ROLE IN THIS CONTRACT Traffic Engineer	14. YEARS EXPERIENCE a. Total 1 b. With Current Firm <1	
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Miami, FL)			
16. EDUCATION (Degree and Specialization) MCE, Transportation Engineering; Bachelor of Technology in Civil Engineering	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)		

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

19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State) Biscayne Boulevard Corridor Study, Miami, FL	(2) YEAR COMPLETED	
		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 Evaluation of one-way pair concept for NE 2 nd Street/Federal Highway and Biscayne Boulevard/US-1 in downtown Miami. These two corridors are existing two-way corridors. Operation analysis along the corridors is performed using Synchro and SimTraffic microsimulation. As the traffic engineer, modelled roadway network in Synchro for both the existing and proposed conditions for the comparison of existing two-way corridor with the proposed one-way concept. Summarized turning movements count data and formulated traffic diagrams for Synchro analysis using excel spreadsheet.		
b.	(1) TITLE AND LOCATION (City and State) SR 968/Flagler Street Premium Transit Project Development & Environment (PD&E) Study, Miami, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016-Present	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 In 2016, the SR 968/Flagler Street/SW 1 st Street Corridor was identified in the Strategic Miami Area Rapid Transit (SMART) Plan as a Bus Express Rapid Transit Service (BERT), to be prioritized for premium transit services. This study focuses on providing multimodal street improvements and premium transit service, but will also include other roadways and expressways connecting to SR 968/Flagler Street for accommodating potential branched transit routes that will be part of the proposed Premium Transit service. As the traffic engineer, developed the roadway network, calibrated the Synchro model and documented the traffic analysis report for Flagler street corridor. Intersection LOS, delay, and queue lengths were analyzed for 79 signalized intersections along the corridor.		
c.	(1) TITLE AND LOCATION (City and State) SR 9/SR 817/NW 27 Avenue Premium Transit PD&E Study, Miami, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016-Present	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 In 2016, the NW 27 Avenue Corridor was identified by the Strategic Miami Area Rapid Transit (SMART) Plan to be prioritized for premium transit services. This study will focus on the implementation of an exclusive premium transit running way and infrastructure on NW 27 Avenue. The study will include transit stations/stops located along NW 27 Avenue near major intersections with the study limits. Additionally, the study will also include public and/or private facilities located adjacent to or off-corridor where potential park-and-ride and/or transit terminals (including the Miami-Dade College North Campus) will be considered. As the traffic engineer, developed the roadway network, calibrated the Synchro model and documented the traffic analysis report for 27 th avenue corridor. Intersection LOS, delay, and queue lengths were analyzed for all signalized intersections along the corridor.		
d.	(1) TITLE AND LOCATION (City and State) Traffic Signal Improvements at Seven locations, Newton, MA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2015	CONSTRUCTION (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM The objective of this project was to improve the safety and traffic operations at seven high accident prone intersection locations in Newton, MA. The improvements proposed at these locations were changing lane configuration, and optimizing traffic signal timing plan. Tasks included: modelled seven intersections under study in Synchro and performed traffic analysis; summarized LOS at seven intersection locations for each movement for the comparison; carried out historical; crash data analysis for the safety study; designed optimized signal timing plan for seven locations under study in Synchro.		
e.	(1) TITLE AND LOCATION (City and State) Rehabilitation of Mt Auburn Street in Watertown, MA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2015	CONSTRUCTION (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM This project consisted of a study and conceptual design of traffic and safety improvements along Mt. Auburn Street in the town of Watertown. The key elements of this study were signalization and lane configuration improvements at several intersections along the corridor. Tasks included: performed Synchro analysis of the corridor and summarized LOS for all the movements along the corridor ; developed preliminary ROW plans using AutoCAD Civil 3D; developed sign and pavement marking sheets for the proposed improvements along the corridor using AutoCAD Civil 3D		

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

12. NAME Andres Cardona, PE		13. ROLE IN THIS CONTRACT Drainage Design		14. YEARS EXPERIENCE	
				a. Total 19	b. With Current Firm 1
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Miami, FL)					
16. EDUCATION (Degree and Specialization) BS, Civil Engineering; Design and Construction of Sheet piles Seminar			17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					
19. RELEVANT PROJECTS					
a.	(1) TITLE AND LOCATION (City and State) Coral Gables Sr. High School Sanitary Sewer Connection System, Miami-Dade County Public Schools, Coral Gables, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2007	CONSTRUCTION (If Applicable) 2008	
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Project Engineer in charge of the permitting and construction administration of the installation of a gravity sewer, the abandonment of the existing septic tanks and the connection to the City of Coral Gables Sanitary Sewer System via a lift station. The lift station included a Telemetry System connected to the City of Coral Gables' Public Works Department.		<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
b.	(1) TITLE AND LOCATION (City and State) Baptist Homestead Hospital, Homestead, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2007	CONSTRUCTION (If Applicable) 2007	
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Project Engineer in charge of the sanitary system and the water distribution system design and construction administration, together with the permitting process with the environmental agencies and municipalities, for the development of 60 acres including includes the construction of a building of over 800,000 SF and more than 1,300 parking spaces. The project also included a new stormwater management system with retention ponds, a heliport and a playground.		<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
c.	(1) TITLE AND LOCATION (City and State) Belle Isle Park and Roadway Improvements, City of Miami Beach, Miami Beach, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2008	CONSTRUCTION (If Applicable) 2009	
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Project Manager in charge of the water distribution systems design and construction administration, along with the permitting process with the environmental agencies and municipalities. Project includes a state-of-the art storm water pump station with pre-treatment devices and injection wells.		<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
d.	(1) TITLE AND LOCATION (City and State) FedEx Airport Gateway Facility, Architecture 6400, Miami, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2008	CONSTRUCTION (If Applicable) 2008	
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Project Field Engineer for a new development, with the design of the drainage system, including Oil/Water Separators, a Pre-treatment structure and a trench drain.		<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
e.	(1) TITLE AND LOCATION (City and State) H-J Utility and Pavement Project, Miami-Dade Aviation Department, Miami, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2006	CONSTRUCTION (If Applicable) 2010	
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Project Engineer for the design of approximately 250,000 square yards of airfield pavement, utility installation including water, sanitary sewer, fuel lines, filling of canal areas, and drainage installation.		<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

Complete one Section E for each key person.

12. NAME Emile Amédée, PE	13. ROLE IN THIS CONTRACT Drainage Design/Utility Locates	14. YEARS EXPERIENCE	
		a. Total 23	b. With Current Firm 13
15. FIRM NAME AND LOCATION (CITY AND STATE) AMBRO, Inc. (Miami, FL)			
16. EDUCATION (Degree and Specialization) B.S., Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) ISO-00700 NIMS			

19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State) Highland Oaks Middle School Relief Civil Engineering Services, Miami-Dade County, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2008	CONSTRUCTION (If Applicable) 2009
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Permitting coordination and engineering services for the design of the modified water, paving, grading and drainage, signing and pavement marking systems onsite and offsite as part of converting an existing 65,000 square feet retail space into classrooms and offices to serve as public school. Mr. Amedee tasks also involves construction administration services consisting of observation of the work, certification of the water, sewer and paving and drainage systems. Professional fee \$77,000		
b.	(1) TITLE AND LOCATION (City and State) Pasadena Park Civil Engineering Services, Miami-Dade County, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2006	CONSTRUCTION (If Applicable) 2006
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Prepared construction documents for water, sewer, paving, grading, drainage and pavement marking for the construction of a new park and recreation center on a 10 acre site. Professional fee \$75,000		
c.	(1) TITLE AND LOCATION (City and State) New Science Building at Florida Memorial College Civil Engineering Services, Miami Gardens, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2011	CONSTRUCTION (If Applicable) 2014
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Prepared construction drawings for site grading and drainage to collect rainfall runoff from the proposed building. Prepared construction documents for onsite water supply and onsite sanitary sewer connection for the proposed building. The proposed utilities will be connected to existing systems. Prepared construction documents for offsite water main extension for a new Fire Line connection for the proposed building. Professional fee \$10,000		
d.	(1) TITLE AND LOCATION (City and State) Oak Grove Park Father Gerard Jean-Juste Community Center Civil Engineering Services, Miami-Dade County, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016	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 Engineering services for the design and permitting of the proposed paving, grading, drainage system, water and sewer connections to service the new building and parking areas. The sanitary sewer system includes a new lift station and forcemain. The task includes performing limited construction administration services consisting of observation of the work, certification of the water, sewer and paving and drainage systems. Professional fee \$102,000		
e.	(1) TITLE AND LOCATION (City and State) Offsite Civil Engineering for Belen Jesuit School, Miami-Dade County, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2011	CONSTRUCTION (If Applicable) 2014
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Prepare construction drawings for geometry, paving, grading and drainage, signage for a right turn lane on SW 6 th street and a cul-de-sac on SW 128 th Avenue. As part of the scope Mr. Amedee identified grading plan and compaction specifications of subgrade; identified storm water runoff and drainage management system, including open and underground components; temporary and permanent protective structures; and reconstruction of storm water management structures within the boundaries of the project. Professional Fee \$24,000		

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

12. NAME Mauricio Paredes, PE	13. ROLE IN THIS CONTRACT Drainage Design	14. YEARS EXPERIENCE a. Total 22 b. With Current Firm 4	
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Miami, FL)			
16. EDUCATION (Degree and Specialization) BS, Civil Engineering	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Florida Engineering Society; Iorida Stormwater Association			

19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State) Interstate 75 (I-75) Express Lanes Segment E (D-B), Florida Department of Transportation (FDOT) District Four, Broward County, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2016	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 Roadway engineer of record for the 4.7-mile project that includes four new express lanes connected to three existing reversible express lanes via a new flyover bridge utilizing a concrete box beam design. Work includes performing drainage analysis, updating conceptual permit and coordination structure and pond designs with highway infrastructure features.			
b. (1) TITLE AND LOCATION (City and State) Veterans Drive, U.S. Virgin Islands Department of Public Works, U.S. Virgin Islands	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2014-Present	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 Lead drainage engineer for this roadway widening/reconstruction along the waterfront at Charlotte Amalie on the island of St Thomas. Responsible for directing the design work and coordinating with all disciplines which includes environmental, geotechnical, coastal engineering, traffic engineering, structural, electrical, survey, and architectural/urban design. Also responsible for budget allocation, schedule, meeting coordination, quality assurance/quality control (QA/QC) plan, project implementation plan, progress report, and supervision of technical personnel.			
c. (1) TITLE AND LOCATION (City and State) Port of Miami Intermodal Yard Design-Build, Miami-Dade County, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2015	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 Design and permitting of track work, lighting, pavement and underground infrastructure including drainage, water distribution and power. The 15-acre cargo transfer facility for Florida East Coast Railway consisted of 9,000 feet (2,743 meters) of new track, a truck circulation road, a loading/unloading apron and security gate to accommodate the loading and unloading of containers between trucks and rail cars. As project manager, his responsibilities included project management, civil engineering design, utility coordination, permitting, shop drawing review, requests for information (RFIs), and contract maintenance.			
d. (1) TITLE AND LOCATION (City and State) Oceanfront Neighborhood ROW Improvements, City of Miami Beach Capital Improvements Program (CIP), Miami Beach, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2008	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Project manager for the design of \$1 million in beach access street and infrastructure improvements within a dense urban area known as Middle Beach. The Oceanfront neighborhood encompasses roughly two miles of residential and commercial streets and is located between the Atlantic Ocean and Indian Creek from 23rd Street to 43rd Street. Design features included: streetscaping, pavement resurfacing, drainage structure and pipe replacement, water main extensions and beachfront showers, decorative lighting, signing and pavement markings and ADA-compliance upgrades.			
e. (1) TITLE AND LOCATION (City and State) State Road (SR) 994 (Quail Roost Drive), FDOT District Six, Miami-Dade County, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2012	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Project Manager for the resurfacing, restoration and rehabilitation (RRR) of Quail Roost Drive under the Homestead Extension of Florida's Turnpike (HEFT). Project includes pavement design, milling and resurfacing, drainage, signalization, design variations, Americans with Disabilities Act (ADA) and safety upgrades.			

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

12. NAME John Lafferty	13. ROLE IN THIS CONTRACT Transportation/Mobility Planning	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. Total 21</td> <td>b. With Current Firm 15</td> </tr> </table>		a. Total 21	b. With Current Firm 15
a. Total 21	b. With Current Firm 15				
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Miami, FL)					
16. EDUCATION (Degree and Specialization) MPM, Environmental Policy; BS, Environmental Biology		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					

19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State) Miami-Dade Transit - Transit Development Plan Major Update and Annual Updates		(2) YEAR COMPLETED
			PROFESSIONAL SERVICES 2009-Present
			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 Project Manager. This project involved the development of a 10 year project improvement program for MDT. Major tasks included the documentation of existing operating and service area conditions, development of performance measures, development of a 10-year implementation plan to include capital, operation, and planning improvement recommendations as well as corresponding cost estimates and a detailed financial plan including anticipated revenues by source. For the last three years, led the preparation of the TDP Annual Update for MDT to include an updated list of accomplishments, reporting of performance measures as well as an update to the 10-year implementation plan and corresponding financial plan.		
b.	(1) TITLE AND LOCATION (City and State) Miami-Dade Transportation Planning Organization (TPO) General Planning Consultant Services		(2) YEAR COMPLETED
			PROFESSIONAL SERVICES 2012-Present
			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 Project manager responsible for providing on-call professional planning services. Projects managed under this contract include the preparation of Transit Development Plan, conducting an Enhanced Bus Study within the Flagler Corridor in Miami, Downtown Miami Bus Lanes as well as developing a Freight Plan Update that will be applied to the Miami 2040 Long Range Transportation Plan.		
c.	(1) TITLE AND LOCATION (City and State) South Florida Regional Transportation Authority (SFRTA) General Planning Consultant Services, Broward County, FL		(2) YEAR COMPLETED
			PROFESSIONAL SERVICES 2009-Present
			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 Project Manager responsible for servicing an on-call planning contract and responding to client needs as specifically, related to the planning disciplines of transportation, finance, operations and stakeholder outreach. Under this SFRTA contract, John has successfully managed more than 40 task order assignments with each project completed on-time and within the allocated budget.		
d.	(1) TITLE AND LOCATION (City and State) Miami-Dade (MPO) Countywide Bus and Auto/Rideshare Access to Transit Facility Assessment Study, Miami-Dade County, FL		(2) YEAR COMPLETED
			PROFESSIONAL SERVICES 2015
			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 Project Manager responsible for an assessment of the adequacy and effectiveness of bus and auto/rideshare access to transit facilities including passengers loading/unloading areas. The assessment involved the evaluation of five park-and-ride areas along the Miami Busway and the Brickell Metromover/Metrorail Station in downtown Miami. Conceptual improvement plans were prepared for each transit facility in collaboration with MDT and the MPO. Corresponding capital and operating costs estimates were prepared for each facility.		
e.	(1) TITLE AND LOCATION (City and State) Fort-Lauderdale Downtown Circulator, Downtown Development Authority, Broward County, FL		(2) YEAR COMPLETED
			PROFESSIONAL SERVICES 2009
			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 The project involved the preparation of an alternatives analysis, conducting an environmental assessment for a proposed streetcar system in downtown Fort Lauderdale. Primary responsibility included the development of a locally preferred alternative (LPA) based on a rigorous technical process that generates ridership, environmental consequences, project costs and the data to support preparation of the comparative analysis required by the FTA. In addition efforts included the preparation and submittal of a Preliminary Engineering Application/Small Starts Report to the FTA for approval to enter into the Project Development phase of project development.		

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

12. NAME Thomas Rodrigues, AICP	13. ROLE IN THIS CONTRACT Transportation/Mobility Planning	14. YEARS EXPERIENCE a. Total 6 b. With Current Firm 2	
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Miami, FL)			
16. EDUCATION (Degree and Specialization) MS, Urban and Regional Planning; BA, English	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) American Institute of Certified Planners (AICP)		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
a.	Miami-Dade Metropolitan Planning Organization (TPO) CSX East-West Transit Oriented Development Study, FL	PROFESSIONAL SERVICES 2016	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 Conducted a comprehensive, GIS-based land use analysis of proposed commuter rail station sites on the CSX East-West Rail Corridor. Efforts included extensive research and data collection, GIS map creation, TOD visioning and site planning and graphical design to prepare a TOD vision plan for the studied corridor.		
b.	Miami-Dade County Department of Transportation and Public Works (DTPW) – Transit Development Plan (TDP) Annual Updates, FL	PROFESSIONAL SERVICES 2009-Present	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 Oversaw the annual updates of DTPW's TDP. Efforts include the analysis and assessment of accomplishments, review of the agency's stated goals & objectives, GIS-based analysis and mapping, review of social media interactions, research, and document writing.		
c.	South Florida Regional Transportation Authority (SFRTA) Tri-Rail Coastal Link Station Economic Impact Analysis Update, Broward County, FL	PROFESSIONAL SERVICES 2016	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 Revised economic impact maps for half-mile radius around proposed ten proposed Coastal Link stations. This effort required data collection and extensive GIS mapping of existing land use and potential opportunities for redevelopment within walksheds of Coastal Link stations.		
d.	Florida Department of Transportation (FDOT) District Five – Deland Transit Alternatives Planning Study, Deland, FL	PROFESSIONAL SERVICES 2016	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 Created informational material for interviews with City of Deland stakeholders. Public outreach effort conducted to identify transit desires and needs for the Deland Community.		
e.	St. Lucie County Long Range Transportation Plan Environmental Analysis, St. Lucie County, FL	PROFESSIONAL SERVICES 2015	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 GIS analysis and data collection to create natural environment and environmental justice maps that identify and will target outreach to disadvantaged communities in St. Lucie County for the purposes of developing the long range transportation plan.		

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

12. NAME Cecilia Villoria, PE		13. ROLE IN THIS CONTRACT Roadway Design		14. YEARS EXPERIENCE a. Total 24 b. With Current Firm 3	
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Miami, FL)					
16. EDUCATION (Degree and Specialization) BS, Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Florida Engineering Society					
19. RELEVANT PROJECTS					
	(1) TITLE AND LOCATION (City and State) SR 9 / I-95, from L-30 Canal to North of Gateway Boulevard, FDOT District Four, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2015-Present	CONSTRUCTION (If Applicable)	
a.	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Project manager (PM) and EOR for the resurfacing, restoration and rehabilitation (RRR) along with Signing and Pavement Markings and Signalization This project involves milling and resurfacing of a 10-lane interstate freeway (SR-9/I-95 limited access facility) including inside and outside shoulders from L-30 Canal (MP 11.442) to north of Gateway Blvd (MP 16.427) in the southbound direction; and from north of Woolbright Road (MP 14.366) to north of Gateway Blvd (MP 16.427) in the northbound direction. This also includes the 4-foot buffers between the high occupancy vehicle (HOV) lanes and the general purpose lanes. In addition, the limits of the project include eight (8) on-ramps and off-ramps.		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
	(1) TITLE AND LOCATION (City and State) Veterans Drive, U.S. Virgin Islands Department of Public Works		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2014-Present	CONSTRUCTION (If Applicable)	
b.	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Lead Roadway engineer for this roadway widening/reconstruction along the waterfront at Charlotte Amalie on the island of St Thomas. Responsible for directing the design work and coordinating with all disciplines which includes environmental, geotechnical, coastal engineering, traffic engineering, structural, electrical, survey, and architectural/urban design. Also responsible for budget allocation, schedule, meeting coordination, quality assurance/quality control (QA/QC) plan, project implementation plan, progress report, and supervision of technical personnel		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
	(1) TITLE AND LOCATION (City and State) SR 944/NW-NE 54th St. from E. of SR-7/US-441/NW 7th Avenue to SR-5/US-1/Biscayne Boulevard, FDOT District Six, Miami, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2015-Present	CONSTRUCTION (If Applicable)	
c.	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Project Manager for the resurfacing, restoration and rehabilitation (RRR) along with safety improvements. The existing roadway typical section is generally comprised of four undivided lanes with curb and gutter, variable-width sidewalk, utility strip, and on-street parking. In general, the scope of work includes the following: milling and resurfacing of SR 944/NW-NE 54 th Street between the limits described above; safety improvements along SR 944/NW-NE 54 th Street from NW 6 th Avenue to NE 1 st Avenue; upgrading pedestrian curb ramps and other pedestrian safety deficiencies needed to comply with ADA requirements; signing and pavement markings; and signalization upgrades.		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
	(1) TITLE AND LOCATION (City and State) SR A1A/Collins Avenue Resurfacing (Phase III), from 26th Street to Indian Creek Drive RRR, FDOT District Six, Miami, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2009	CONSTRUCTION (If Applicable)	
d.	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Project Manager and EOR. Design for the milling and resurfacing of the existing roadway, signing and pavement markings (SPMs), signalization, lighting, landscaping, and drainage improvements. The drainage is being enhanced through the use of trench drains in those areas where the existing longitudinal slope is less than 0.3 percent and at the build-outs that are being proposed to enhance the ADA compliance of the project. Upgrades to the existing signals and signing and pavement markings will be part of this project.		<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
	(1) TITLE AND LOCATION (City and State) SR 7/U.S. 441 at Southgate Boulevard, FDOT District Four, Margate, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2012	CONSTRUCTION (If Applicable)	
e.	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Engineer of record (EOR) for this project, which entails providing safety improvements for the intersection of SR 7/U.S. 441 and Southgate. This project includes median openings on the west leg of Southgate Boulevard, installing high emphasis crosswalks on all four approaches, new mast arm systems, variable message LED signs facing right-turn traffic in all four directions, a queue detection and motorist warning system, pedestrian countdowns, new standalone light poles for the west side of the roadway, a new light fixture on the northeast and southeast corners of the intersection and pavement markings.		<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

Complete one Section E for each key person.

12. NAME Carlos Benavides, PE	13. ROLE IN THIS CONTRACT Roadway Design	14. YEARS EXPERIENCE a. Total 8 b. With Current Firm 2	
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Miami, FL)			
16. EDUCATION (Degree and Specialization) BS, Civil Engineering	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Florida Engineering Society			
19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State) SR 9 / I-95, from L-30 Canal to North of Gateway Boulevard, FDOT District Four, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015-Present 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 a. Project Engineer for the resurfacing, restoration and rehabilitation (RRR) along with Signing and Pavement Markings and Signalization. This project involves milling and resurfacing of a 10-lane interstate freeway (SR-9/I-95 limited access facility) including inside and outside shoulders from L-30 Canal (MP 11.442) to north of Gateway Blvd (MP 16.427) in the southbound direction; and from north of Woolbright Road (MP 14.366) to north of Gateway Blvd (MP 16.427) in the northbound direction. This also includes the 4-foot buffers between the high occupancy vehicle (HOV) lanes and the general purpose lanes. In addition, the limits of the project include eight (8) on-ramps and off-ramps.			
(1) TITLE AND LOCATION (City and State) Veterans Drive, U.S. Virgin Islands Department of Public Works	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014-Present 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 Engineer for this roadway widening/reconstruction along the waterfront at Charlotte Amalie on the island of St Thomas. Responsible for directing the design work and coordinating with all disciplines which includes environmental, geotechnical, coastal engineering, traffic engineering, structural, electrical, survey, and architectural/urban design. Also responsible for budget allocation, schedule, meeting coordination, quality assurance/quality control (QA/QC) plan, project implementation plan, progress report, and supervision of technical personnel.			
(1) TITLE AND LOCATION (City and State) SR 944/NW-NE 54th St. from E. of SR-7/US-441/NW 7th Avenue to SR-5/US-1/Biscayne Boulevard, FDOT District Six, Miami, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015-Present 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 c. Project Engineer for the resurfacing, restoration and rehabilitation (RRR) along with safety improvements. The existing roadway typical section is generally comprised of four undivided lanes with curb and gutter, variable-width sidewalk, utility strip, and on-street parking. In general, the scope of work includes the following: milling and resurfacing of SR 944/NW-NE 54 th Street between the limits described above; safety improvements along SR 944/NW-NE 54 th Street from NW 6 th Avenue to NE 1 st Avenue; upgrading pedestrian curb ramps and other pedestrian safety deficiencies needed to comply with ADA requirements; signing and pavement markings; and signalization upgrades.			
(1) TITLE AND LOCATION (City and State) Resurfacing, Restoration, and Rehabilitation (RRR) Project for SR A1A (South Ocean Drive) from County Line Road to Seacrest Parkway FDOT District Four, Hallandale, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 CONSTRUCTION (If Applicable)		
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM d. Project Engineer for the plans preparation and design. Team member involved in the preparation and design of the typical section package, as well as the cross slope and lane width corrections of the existing conditions, also involved in the preparation of signing and pavement markings, and ADA improvements consisting of replacing damaged sidewalk and curb ramps, based on Chapter 25 of the FDOT Plans Preparation Manual (PPM) and FDOT standards.			
(1) TITLE AND LOCATION (City and State) RRR Project for Miami Gardens Drive from NE 15th Avenue to NE 20th Place, FDOT District Six, Miami Gardens, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 CONSTRUCTION (If Applicable)		
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM e. Project Engineer. Design of the resurfacing, restoration and rehabilitation of a two way two lane minor urban arterial. The scope of work for this design consisted of milling and resurfacing, cross slope corrections, lane width corrections, widening, and median correction. Also included was the development of improvements for pedestrians, which satisfy the Americans with Disabilities Act; consisting of developing and evaluating alternative concepts to modify the existing sidewalks, ramps and crosswalks. Produced design plans including cross sections, typical sections, new signing and pavement marking plans, signalization and traffic control plans using the requirements of chapter 25 of the FDOT Plans Preparation Manual, FDOT standards, and MUTCD manual. Also elaborated with the preparation of cost estimates using the FDOT Basis of Estimate (BOE).			

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

12. NAME Eduardo Rodriguez, PE		13. ROLE IN THIS CONTRACT Construction Management		14. YEARS EXPERIENCE a. Total 32 b. With Current Firm 19	
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Miami, FL)					
16. EDUCATION (Degree and Specialization) B.S., Civil Engineering			17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Construction Training/Qualification Program (CTQP): Final Estimates Level I and II; Florida Department of Transportation (FDOT) and other Certifications/Training: Work Zone Traffic Control - Advanced; American Traffic Safety Services Association (ATSSA) Certified Worksite Traffic Supervisor; MSE Wall Inspection Certification					
19. RELEVANT PROJECTS					
a.	(1) TITLE AND LOCATION (City and State) State Road (SR) 874 D-B Ramp Connectors, MDX, Miami, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2015-Present	CONSTRUCTION (If Applicable) 2015-Present	
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Senior Project Engineer for this \$42-million design-build project of MDX ramp bridge connectors from SR 874 (Don Shula Expressway) to SW 128 th Street and the reconstruction of SW 128 th Street from west of Florida's Turnpike Enterprise (FTE) to west of SR 825/SW 137 th Avenue. The objectives of the project are to improve east-west and north-south mobility from the southwestern suburbs to the urban employment centers in Miami-Dade County and improve access to the existing expressway system from southwest Miami-Dade County, a densely populated and rapidly growing area.		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
b.	(1) TITLE AND LOCATION (City and State) Design-Build Reconstruction of Lower North Bay Road, Miami Beach, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2014-Present	CONSTRUCTION (If Applicable)	
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Project Manager on this \$13-million total roadway reconstruction project that included installation of a new storm drainage system and a pump station, seawall construction, a new 12-inch water main and lining installation of the existing sanitary sewer. Mr. Rodriguez was responsible for the CEI of this contract, which included the administration of the contract, monitoring and inspection of the work performed by the contractor to ensure compliance with the plans, specifications, and special provisions. Reviewed and approved the monthly estimates and invoices, supervised inspectors, coordinated construction, prepared reports, resolved field problems, attended construction progress meetings, coordinated utility relocations and performed final acceptance and completion of the project closeout.		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
c.	(1) TITLE AND LOCATION (City and State) Central Boulevard Widening, Realignment and Service Loop Project, Miami International Airport (MIA)/Miami-Dade Expressway Authority (MDX), Miami, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2016	CONSTRUCTION (If Applicable) 2016	
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Senior Project Engineer for this \$48-million design-build (D-B) project that consisted of the construction of eight new bridges and two bridge widenings to the primary access to MIA; roadway reconstruction including reconstruction of the Perimeter Road; construction of a north and south service road and reconfiguration of the existing Central Boulevard to go over Perimeter Road. In addition to the above major works, improvements included drainage, signalization, utilities and intelligent transportation systems (ITS). The project also involved construction of concrete barrier walls, mechanically stabilized earth (MSE) walls, retaining walls, embankment, asphalt pavement, overhead sign structures, signing, pavement markings, landscaping and lighting. Project length was approximately .50 miles, including the NW 42 Court/NW 20 Street and McLaughlin single-span steel girder bridge over the C-4 Canal as part of the project.		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
d.	(1) TITLE AND LOCATION (City and State) SR 874 On Ramp on Kendall Drive, Miami-Dade Expressway Authority (MDX), Miami, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2009	CONSTRUCTION (If Applicable) 2009	
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Senior Project Engineer for this \$33-million construction of a new northbound on-ramp from Kendall Drive to re-align the existing eastbound on-ramp to SR 878. The new on-ramp to SR 874 consisted of a twin steel box girder bridge supported by concrete inverted tee caps sitting on drilled shafts. The bridge consisted of 10 concrete piers and two end bents with 11 spans including the last span over the SR 878 eastbound roadway. The project also involved construction of concrete barrier walls, MSE walls, retaining walls, sound walls, embankment, asphalt pavement, drainage, overhead sign structures, signing, pavement markings, landscaping and lighting. Project length was approximately 1.45 miles, including widening, milling and resurfacing, and signalization of North Kendall Drive and SR 94.		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
e.	(1) TITLE AND LOCATION (City and State) SR 836 Auxiliary Lanes, Miami-Dade Expressway Authority (MDX), Miami, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2007	CONSTRUCTION (If Applicable)	
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Senior Project Engineer for this \$15-million project along SR 836 from SR 826 to the NW 57 Avenue Interchange. Project components included a new bridge over the Venetian and Airport Canals, a bridge widening at NW 57 Avenue, roadway widening, drainage improvements, lighting and signing and markings. Duties included project management, scheduling, construction coordination, utility relocation and interface with contractor and MDX.		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		

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

12. NAME Ronald Fields, PE		13. ROLE IN THIS CONTRACT Construction Management		14. YEARS EXPERIENCE a. Total 40 b. With Current Firm 18	
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Miami, FL)					
16. EDUCATION (Degree and Specialization) MS, Civil Engineering; BS, Civil Engineering			17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL, GA, NC		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) American Water Works Association; Water Environment Federation; Construction Specifications Institute; Construction Management Association of America; Florida Task Force 1 (FL-TF 1) Urban Search and Rescue					
19. RELEVANT PROJECTS					
	(1) TITLE AND LOCATION (City and State) Everglades Agricultural Area (EAA) Reservoir A-1, Palm Beach County, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2008	CONSTRUCTION (If Applicable)	
a.	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Project Manager for this South Florida Water Management District (SFWMD) reservoir that will provide capacity for 190,000-acre-feet (65 billion gallons) of water storage. Other main project components include a pumping station that pumps from the North New River Canal designed to handle 3,500 cubic feet per second and four-lane bridge on U.S. Hwy 27. Currently he has completed work on three Guaranteed Maximum Price (GMP #1, #2, #3) work assignments for the overall reservoir project. These include approximately twelve miles of seepage canal construction and the installation and startup of the 5.4 million tons aggregate processing plant. Ron is responsible for the overall Quality Assurance program, construction contract amendment and guaranteed maximum price negotiating support, management and supervision providing design phase review and support, constructability review, scheduling and cost estimating, project permitting support, pre-construction coordination, contract administration, construction monitoring and inspection, coordination of project start-ups, and closeout.		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
	(1) TITLE AND LOCATION (City and State) Tampa Bay Water Master Water Plan South Program, Hillsborough County, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2014-Present	CONSTRUCTION (If Applicable)	
b.	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Construction Project Manager for the construction of approximately 21 miles of 72-inch and 84-inch diameter water transmission mains, a 52 million-gallon per day high service pumping station, a 15 billion-gallon capacity reservoir, and 350 acres. Responsible for the overall management and supervision of the south construction management program providing design phase review and support, constructability review, scheduling and cost estimating, public information coordination and contact, project permitting support, land acquisition support, bidding of projects, pre-construction coordination, contract administration, construction monitoring and inspection, coordination of project start-ups and closeout.		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
	(1) TITLE AND LOCATION (City and State) Sewer Separation Program, City of Atlanta, GA		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2008	CONSTRUCTION (If Applicable) 2008	
c.	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Project Manager for Stockade Basin sewer separation project which consists of separating 14.1 miles of 8-inch to 42-inch sanitary and storm sewer pipelines. The project included procurement of 130 easement parcels, two miles of tunneling, and 1.1 miles of water main rehabilitation. Responsibilities included supervision of project field staff of assistant basin managers, field engineers and field inspectors; coordination of contract administration, cost and schedule review, document control; disputes review board reporting, client liaison and public information coordination.		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
	(1) TITLE AND LOCATION (City and State) Government Cut/Fisherman's Channel Utility Relocation Projects, Miami-Dade County, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2014	CONSTRUCTION (If Applicable) 2014	
d.	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Project Manager for the Miami-Dade Water and Sewer Department design-build relocation of an existing 54-inch sanitary sewer force main under Government Cut Channel between Fisher Island and South of Miami Beach Marina; and the relocation of an existing 20-inch water main under Fisherman's Channel between Port of Miami (Dodge Island) and Fisher Island. The method of construction emphasized in the Request for Design-Build Services design criteria documents is the trenchless technology of micro-tunneling, installing a 72-inch casing for the new sewer force main and a 60-inch casing for the new water main and dry line; the design-builder will also evaluate an alternative trenchless technology of horizontal directional drilling for the relocation of the existing 20-inch water main. Ron is responsible for the overall Quality Assurance program, design-build contract administration, management and supervision providing design phase review and support, constructability review, scheduling and cost estimating, project permitting review support, pre-construction coordination, contract administration, construction monitoring and inspection, coordination of project start-ups, and closeout.		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
	(1) TITLE AND LOCATION (City and State) American Airlines Arena Project, Miami, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	
e.	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Construction Engineer for the owner's representative team during construction. He assisted the project manager in providing construction observation services; assisted the Miami-Dade County's liaison (special assistant to the county manager) to the Miami Heat and the City of Miami during construction; provided coordination of required county infrastructure improvements for the arena project; and reviewing monthly construction progress payments and monthly reporting of overall project progress.		<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		

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

12. NAME Michelle Kendall, AICP	13. ROLE IN THIS CONTRACT Complete Streets	14. YEARS EXPERIENCE a. Total 19 b. With Current Firm 11	
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Orlando, FL)			
16. EDUCATION (Degree and Specialization) MS, Urban Studies; BA, International Studies	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) American Institute of Certified Planners (AICP)		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State) SR 524 Multimodal Corridor Study, FDOT District Five, Brevard County, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2016-Present	
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
	Project Manager for a study to assess multi-modal, operational and capacity improvements for a 3-mile corridor in the City of Cocoa. SR 524 is currently a 2-lane roadway with limited pedestrian facilities, no bike lanes and only peripheral transit service. The corridor has a high crash rate and operational challenges. WSP is assessing the roadway from a Complete Streets perspective, making recommendations that will improve travel for all users. This project includes review of existing and future conditions, intersection analysis using SYNCHRO, development of multimodal alternatives and public and agency involvement.		
b.	(1) TITLE AND LOCATION (City and State) International Drive Walkability and Parking Study, Orange County, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014	
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
	Project Manager who assessed the International Drive (I-Drive) corridor from Sand Lake Road, south to SR 528. I-Drive is a vibrant, dynamic center of activity for visitors and residents alike. This study was intended to provide the basis for future planning and visioning, and to identify strategies to enhance the walkability of the area by identifying ways to improve the comfort, safety and accessibility of pedestrians. This study identified ways to enhance modal integration; and to integrate and enhance parking, wayfinding, connectivity and circulation strategies. Field reviews were conducted to identify key pedestrian circulation issues, transit accessibility and parking facility demand and supply.		
c.	(1) TITLE AND LOCATION (City and State) Pine Hills Pedestrian Safety Study, Orange County, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017-Present	
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
	As the Principal-in-Charge and quality control reviewer for a planning study to identify pedestrian and bicycle safety issues along Pine Hills Road in Orange County. There are two schools along this section of roadway, high volumes of bike/ped traffic and significant numbers of pedestrian and vehicular crashes. Project includes development of recommended typical sections to better provide for pedestrian and bicycle travel, pedestrian safety counter measures, development of aesthetic gateway features, enhanced landscaping and operational signal improvements.		
d.	(1) TITLE AND LOCATION (City and State) Green Hills Area Study, Nashville, TN	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2011	
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
	Served as Deputy Project Manager for a multimodal transportation and land use study for the Hillsboro Road corridor in the Green Hills regional shopping area. The study assessed new opportunities for roadway, pedestrian, bicycle and transit connections to enhance the connectivity and cohesiveness of the area, and to minimize the travel time to and through the area. A financing plan was developed to provide implementation opportunities for both the public and private sector stakeholders.		
e.	(1) TITLE AND LOCATION (City and State) LYNX General Engineering Contract, LYNX, Central Florida	(2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
	As the project manager for a continuing services contract for architectural and engineering services for LYNX. Projects currently underway include concept development for the Rosemont and Florida Mall SuperStop sites. This work includes assessing opportunities and challenges of current locations in terms of pedestrian and bicycle access, aesthetics, bus access and routing and security. It also includes the identification of new sites for potential SuperStop relocation, including roadway and pedestrian access.		

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

12. NAME Laura Minns, AICP	13. ROLE IN THIS CONTRACT Complete Streets	14. YEARS EXPERIENCE a. Total 20 b. With Current Firm <1	
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Orlando, FL)			
16. EDUCATION (Degree and Specialization) MBA; BA, Geography/Natural Resource Management		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) American Institute of Certified Planners (AICP)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Crime Prevention Through Environmental Design Professional Designation (CPD); Chair – MetroPlan Orlando Bicycle Pedestrian Advisory Committee – 2002-2003 and 2005-2006; City of Orlando Board of Zoning Adjustment 2008-2011			
19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State) Pine Hills Pedestrian Safety Study, Orange County, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017-Present 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 Project Advisor for a planning study to identify pedestrian and bicycle safety issues along Pine Hills Road in Orange County. There are two schools along this section of roadway, high volumes of bike/ped traffic and significant numbers of pedestrian and vehicular crashes. Project includes development of recommended typical sections to better provide for pedestrian and bicycle travel, pedestrian safety counter measures, development of aesthetic gateway features, enhanced landscaping and operational signal improvements.			
(1) TITLE AND LOCATION (City and State) LYNX Orlando Trail/Gertrude's Walk, Central Florida Regional Transit Authority (LYNX) Orlando, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (If Applicable)		
b. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Senior project manager responsible for managing a \$1.6M FTA Bus Livability grant for the extension of an urban trail through the heart of downtown Orlando. Work included the successful submission of a competitive grant application to provide enhanced first and last mile bicycle and pedestrian connectivity in a dense central business district. The trail provided connections to two commuter rail stations and a bus station in the heart of downtown Orlando.			
(1) TITLE AND LOCATION (City and State) Leesburg Trails Master Plan, Leesburg, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 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 Project manager for the development of a 26-mile City-wide urban and rural trails program. Tasks included public outreach and consensus building, management plans for acquired CSX corridor through Florida Communities Trust, design guidelines, cost estimates, and prioritization of trail corridors and associated trail head projects.			
(1) TITLE AND LOCATION (City and State) LYNX Management, Orlando, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2013-2016 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 Project Manager responsible for managing the agency's roadway and land development review including serving as agency representative on corridor studies and roadway safety audits sponsored by FDOT District Five, including serving as transit representative on Florida's Pedestrian and Bicycle Safety Coalition from 2013 to 2016.			
(1) TITLE AND LOCATION (City and State) LYMMO Bus Rapid Transit (BRT) Expansion, Central Florida Regional Transit Authority (LYNX) Orlando, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (If Applicable)		
e. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Senior project manager responsible for leading agency's \$25M expansion project including the design of multiple BRT station areas, a rebranding effort, marketing campaign, and multiple agency coordination. Laura managed all tasks related to project development including managing New Starts and TIGER 2 Federal grants, engineering, design, and construction. Design included station areas, new street alignments with transit ways, bike facilities, streetscape, sidewalks, and on-street parking.			

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

12. NAME Amanda Kreiling, PE, PTOE		13. ROLE IN THIS CONTRACT Signalization Design		14. YEARS EXPERIENCE a. Total 18 b. With Current Firm 3	
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Tampa, FL)					
16. EDUCATION (Degree and Specialization) BS, Civil Engineering			17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL Professional Traffic Operations Engineer: FL #2676		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Florida Department of Transportation (FDOT) Intersection Design Training, 2005; Accident Reconstruction for Traffic Engineers; International Municipal Signal Association (IMSA) Traffic Signal Technician Level I and II; IMSA Work Zone Safety Specialist; FDOT Traffic Signal Level II; Advanced Roadway Lighting					
19. RELEVANT PROJECTS					
a.	(1) TITLE AND LOCATION (City and State) Districtwide Design-Build Push Button, FDOT District Seven, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Traffic Engineer of Record for this task work order driven Districtwide traffic operations contract. Elements of work include roadways, structures, intersections, interchanges, geotechnical activities, ITS, surveys, drainage, signing and pavement markings, signalization, lighting, utility coordination and relocation, maintenance of traffic, cost estimates, environmental permits, Federal Aviation Administration (FAA) and Federal Communications Commission (FCC) permits, specification packages and coordination, public involvement efforts, and all necessary incidental items for a complete project.			<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
b.	(1) TITLE AND LOCATION (City and State) Gateway Projects, SR 686 (Roosevelt Boulevard) and SR 686 Flyover, FDOT District Seven, Pinellas County, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2015	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Traffic Engineer of Record for the reconstruction of SR 686 (Roosevelt Boulevard) from 49th Street Bridge to Ulmerton Road. These projects will replace the existing four-lane rural facility with a controlled access highway and urban frontage roads, a new tight diamond interchange at the St. Petersburg-Clearwater International Airport, and a tri-level flyover structure over the existing SR 686/County Road (CR) 611 (49th Street) interchange.			<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
c.	(1) TITLE AND LOCATION (City and State) SR 423/John Young Parkway (JYP) from SR 50 to Shader Road, FDOT District Five, Orange County, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2017	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Traffic Engineer of Record for the widening of SR 423 (JYP) from a four- to six-lane divided roadway section to provide additional capacity. The project includes pavement widening, reconstruction, overbuild, closed storm sewer system, two new ponds, signing and pavement markings, ITS, and signals.			<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
d.	(1) TITLE AND LOCATION (City and State) SR 56 Resurfacing from West of I-75 to CR 581 (Bruce B. Downs Boulevard), FDOT District Seven, Wesley Chapel, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2016	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Traffic engineer and was responsible for the safety evaluation of the project, as well as the development of five alternatives for crossing pedestrians and bicyclists across a two-lane free flow interstate off-ramp. She was also responsible for preparing the signalization and signing and pavement marking plans. The project includes milling and resurfacing approximately 2.3 miles (3.7 kilometers) of SR 56, an urban arterial which is considered a Strategic Intermodal System (SIS) facility. The scope of services includes the installation of five-foot sidewalk, the addition of bicycle lanes adjacent to right-turn lanes, pedestrian facility upgrades for five bridge structures, minor drainage improvements, utility coordination, and surveying. Americans with Disabilities Act (ADA) upgrades will be introduced throughout the project and pedestrian features will be installed at the I-75 interchange and Ancient Oaks Boulevard. Also included is the development and evaluation of five conceptual design alternatives for pedestrian accommodations at the I-75/SR 56 northbound to eastbound two-lane free flow off-ramp (Ramp "BB"). The alternatives included realignment of Ramp "BB", adding a tunnel under Ramp "BB", providing an island for pedestrians that divides the two lanes of Ramp "BB", placing ramp "BB" under signal control, and placing a crosswalk in an area to provide proper sight distance for pedestrians, with no changes to the existing ramp geometry.			<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
e.	(1) TITLE AND LOCATION (City and State) SR 597 (Dale Mabry Highway) Resurfacing from North of Cheval Boulevard to County Line Road, FDOT District Seven, Tampa, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE The project included milling and resurfacing approximately 2.3 miles of SR 597 (Dale Mabry Highway), a 4-lane divided rural roadway, located in Hillsborough County. In addition to milling and resurfacing, the scope of services included the installation of five-foot sidewalk along both sides of the roadway totaling 22,410 feet, the addition of bicycle lanes adjacent to right-turn lanes, adding 3,250 feet of 5-foot paved shoulder, drainage improvements, utility coordination, public involvement, and surveying. Traffic detection loop replacement and new pedestrian features were installed at the Dale Mabry Highway intersections of Lutz Lake Fern Road and County Line Road. As Traffic Engineer, responsible for the signalization and signing and pavement marking plans.			<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		

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

12. NAME Burak Konuk, PTOE	13. ROLE IN THIS CONTRACT Signalization Design	14. YEARS EXPERIENCE a. Total 8 b. With Current Firm 1	
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Tampa, FL)			
16. EDUCATION (Degree and Specialization) Master of Engineering in Civil Engineering; MBA; BS, Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: IN Professional Traffic Operations Engineer: FL #3689	

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

The Intelligent Transportation Society of Florida (ITS Florida); Institute of Transportation Engineers (ITE); American Society of Civil Engineers (ASCE); American Society of Highway Engineers (ASHE); National Society of Professional Engineers (NSPE)

19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State) Districtwide Design-Build Push Button, FDOT District Seven, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE a. Traffic Engineer for this task work order driven Districtwide traffic operations contract. Elements of work include roadways, structures, intersections, interchanges, geotechnical activities, ITS, surveys, drainage, signing and pavement markings, signalization, lighting, utility coordination and relocation, maintenance of traffic, cost estimates, environmental permits, Federal Aviation Administration (FAA) and Federal Communications Commission (FCC) permits, specification packages and coordination, public involvement efforts, and all necessary incidental items for a complete project.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
(1) TITLE AND LOCATION (City and State) SR 56 Resurfacing from West of I-75 to CR 581 (Bruce B. Downs Boulevard), FDOT District Seven, Wesley Chapel, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE b. Project includes milling and resurfacing approximately 2.3 miles (3.7 kilometers) of SR 56, an urban arterial which is considered a Strategic Intermodal System (SIS) facility. The scope of services includes the installation of five-foot sidewalk, the addition of bicycle lanes adjacent to right-turn lanes, pedestrian facility upgrades for five bridge structures, minor drainage improvements, utility coordination, and surveying. Americans with Disabilities Act (ADA) upgrades will be introduced throughout the project and pedestrian features will be installed at the I-75 interchange and Ancient Oaks Boulevard. Also included is the development and evaluation of five conceptual design alternatives for pedestrian accommodations at the I-75/SR 56 northbound to eastbound two-lane free flow off-ramp (Ramp "BB"). The alternatives included realignment of Ramp "BB", adding a tunnel under Ramp "BB", providing an island for pedestrians that divides the two lanes of Ramp "BB", placing ramp "BB" under signal control, and placing a crosswalk in an area to provide proper sight distance for pedestrians, with no changes to the existing ramp geometry. Traffic engineer assisting with the safety evaluation of the project, as well as the development of five alternatives for crossing pedestrians and bicyclists across a two-lane free flow interstate off-ramp.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
(1) TITLE AND LOCATION (City and State) SR 423/John Young Parkway (JYP) from SR 50 to Shader Road, FDOT District Five, Orange County, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE c. Traffic Engineer for the widening of SR 423 (JYP) from a four- to six-lane divided roadway section to provide additional capacity. The project includes pavement widening, reconstruction, overbuild, closed storm sewer system, two new ponds, signing and pavement markings, ITS, and signals.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
(1) TITLE AND LOCATION (City and State) I-95 Segment 3A-2 D-B, FDOT District 4, Broward County, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE d. Traffic Engineer for converting the existing high occupancy vehicle (HOV) lanes to managed lanes and widening that will result in two tolled express lanes in each direction. Other project improvements include: milling, resurfacing, bridge widenings, pedestrian bridge replacement, temporary and permanent retaining walls; sound barrier walls; sign structures, portable traffic monitoring sites, tolling gantries and associated infrastructure including toll equipment buildings, ITS, signing and pavement markings, managed lane markers, signalization, lighting, ramp (metering) signals for five interchanges, utility relocation, and landscaping.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
(1) TITLE AND LOCATION (City and State) SR 597 (Dale Mabry Highway) Resurfacing from North of Cheval Boulevard to County Line Road, FDOT District Seven, Tampa, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE e. The project included the installation of five-foot sidewalk along both sides of the roadway totaling 22,410 feet, the addition of bicycle lanes adjacent to right-turn lanes, adding 3,250 feet of 5-foot paved shoulder, drainage improvements, utility coordination, public involvement, and surveying. Traffic detection loop replacement and new pedestrian features were installed at the Dale Mabry Highway intersections of Lutz Lake Fern Road and County Line Road. As Traffic Engineer, responsible for the signalization and signing and pavement marking plans.	<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		

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

12. NAME Yamila Hernandez, PE	13. ROLE IN THIS CONTRACT Maintenance of Traffic	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. Total</td> <td>b. With Current Firm</td> </tr> <tr> <td>18</td> <td>9</td> </tr> </table>		a. Total	b. With Current Firm	18	9
a. Total	b. With Current Firm						
18	9						
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Miami, FL)							
16. EDUCATION (Degree and Specialization) BS, Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL					
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) The Intelligent Transportation Society of Florida (ITS Florida); Institute of Transportation Engineers (ITE); American Society of Civil Engineers (ASCE); American Society of Highway Engineers (ASHE); National Society of Professional Engineers (NSPE)							

19. RELEVANT PROJECTS							
a.	(1) TITLE AND LOCATION (City and State) I-95 Express Lanes Segment 3A-2 Design-Build (D-B), FDOT District Four, Broward County, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>Ongoing</td> <td></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	Ongoing	
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)					
Ongoing							
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Project Manager (PM) overseeing the design phase of the design for 7.35-mile project that includes converting the existing high occupancy vehicle (HOV) lanes to managed lanes and widening that will result in two tolled express lanes in each direction. In addition, the project includes new interchange improvements to the Atlantic Boulevard interchange. Contract services include design and development of highway construction documents.							
b.	(1) TITLE AND LOCATION (City and State) SW 157th Avenue – SW 42nd Street to SW 8th Street, Miami-Dade County, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2008</td> <td>2008</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2008	2008
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)					
2008	2008						
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Project manager and EOR responsible for the design/plan development. The scope of work included construction of two southbound lanes west of the existing two-lane two-way roadway, milling and resurfacing of the existing pavement, drainage design (exfiltration trenches), traffic control plans, and signing and pavement markings, lighting and signalization.							
c.	(1) TITLE AND LOCATION (City and State) SW 142nd Avenue – SW 42nd Street to SW 8th Street, Miami-Dade County, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2007</td> <td>2008</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2007	2008
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)					
2007	2008						
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Engineer responsible for the preparation of all design and construction documents. The scope of work included realignment of the existing roadway, milling and resurfacing of the existing pavement, minor widening necessary for new horizontal alignment, intersection improvements with design of six traffic circles, sidewalks, driveways, pedestrian ramps, drainage design (exfiltration trenches), and signing and pavement markings. Within roadway design, preparation of key map, typical sections, pavement design, summary of quantities/pay items notes, general notes, plan sheets, intersection details (roundabouts), drainage structures and details, traffic control plans.							
d.	(1) TITLE AND LOCATION (City and State) Fifth and Alton – Vertical Retail Center, Miami-Dade County, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2006</td> <td>2006</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2006	2006
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)					
2006	2006						
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Project Engineer of responsible for preparing the traffic control plans for the site development of a retail center in the City of Miami Beach at the intersection of SR A1A/5th Street and SR 907/Alton Road.							
e.	(1) TITLE AND LOCATION (City and State) I-4/Maitland Boulevard Interchange, FDOT District Five, Orange County, Florida, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2008</td> <td>2009</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2008	2009
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)					
2008	2009						
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM The project design tasks included horizontal and vertical design alignments of two miles (3.2 kilometers) of interstate, 10 ramps, an urban arterial, and two collector cross roads and a pedestrian overpass. Engineer responsible for temporary traffic control design for the reconstruction of the interchange.							

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

12. NAME Dayami Cruz, EI		13. ROLE IN THIS CONTRACT Maintenance of Traffic		14. YEARS EXPERIENCE	
				a. Total 13	b. With Current Firm 2
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Miami, FL)					
16. EDUCATION (Degree and Specialization) BS, Mechanical Engineering			17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Engineering Intern: FL		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Knowledge of FDOT Plans Preparation Manual, FDOT Design Standards, and AASHTO Design Guidelines; Experience in preparing cost estimates					
19. RELEVANT PROJECTS					
a.	(1) TITLE AND LOCATION (City and State) Veterans Drive Project, Virgin Islands Department of Public Works (DPW), U.S. Virgin Islands		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2014-Present	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Project Designer for the re-evaluation of the 1994 environmental assessment, obtaining environmental permits, overseeing final construction plans and specifications and providing an extensive public involvement effort. Improvements to Veterans Drive are needed to eliminate the traffic congestion that currently exists. The project extends from Kronprindsens Tvaer Gade intersection to east of Hospital Gade. The goal is to improve the overall flow of traffic in the corridor and the intent is to upgrade Veterans Drive to current design standards in order to provide additional capacity. She prepared the traffic control plans and cost and estimates.			<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
b.	(1) TITLE AND LOCATION (City and State) SR 826 Palmetto Expressway Improvements - Section Five Design-Build, FDOT District Six, Miami-Dade County, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2016	CONSTRUCTION (If Applicable) 2016	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE The reconstruction of SR 826 from south of Flagler Street to north of NW 12th Street and SR 836 from east of NW 87th Avenue to west of 57th Avenue. The SR 826/SR 836 Interchange is a 4-level System-to-System Interchange with direct connectors that provide for traffic movements in all directions between the two expressways. Designer with the development of the roadway geometry, cross sections, alignments, earthwork quantities and MOT plans.			<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
c.	(1) TITLE AND LOCATION (City and State) SR 5/US-1 Reconstruction from North of SR 713/Kings Highway (MP 20.928) to South of Oslo Road/CR 606 (MP 1.856), St. Lucie and Indian River Counties, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2017	CONSTRUCTION (If Applicable) N/A	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Designer responsible for development of roadway geometry, cross sections, alignments, earthwork quantities, and MOT plans.			<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
d.	(1) TITLE AND LOCATION (City and State) Kendall Drive at SW 99th Court (SR 99) Safety Improvement Project, Kendall, FL, FDOT District Six		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2009	CONSTRUCTION (If Applicable) 2010	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Safety improvements to Kendall Drive at SW 99th Ct to reduce the frequency of accidents occurring at the intersection based on a safety report. Project Designer, developed roadway, signing and pavement marking plans and assisted in quantifying the pay items and preparing the cost estimates for each phase submittal.			<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
e.	(1) TITLE AND LOCATION (City and State) I-4 Widening from SR 44 to East of I-95 - Design-Build, Volusia County, FL, FDOT District Five		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2013	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Widening of Interstate 4 (SR 400) from four to six lanes from the SR 44 interchange to west of I-95 and resurfacing to east of I-95. Project Designer responsible for development of roadway geometry, cross sections, alignments, earthwork quantities and MOT plans.			<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		

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

12. NAME Zachary Parnas	13. ROLE IN THIS CONTRACT GIS Specialist	14. YEARS EXPERIENCE	
		a. Total 3	b. With Current Firm 1
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Miami, FL)			
16. EDUCATION (Degree and Specialization) BA, Architecture		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State) CSX TOD Corridor, Miami, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016	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 The rail corridor running west from Miami International Airport is targeted to be converted to a passenger rail line, and MPO commissioned a study and report on the feasibility of Transit Oriented Developments along the corridor at future station locations. Zach composed the report and provided GIS analysis and graphics support on the numerous maps and diagrams within.		
b.	(1) TITLE AND LOCATION (City and State) South Florida Tri-Rail Tri-Rail Coastal Link Station Area Market and Economic Analysis, Miami, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016	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 Performed census data analysis, constructed data tables and GIS maps of economic data. Composed a new report in new software which seamlessly blended with previous years reports .		
c.	(1) TITLE AND LOCATION (City and State) 27th Avenue Premium Transit Corridor PD&E, Miami, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016-Present	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 General support for PD&E process. Assisting in analysis of existing transit patterns and alternative solutions, building GIS and Illustrated maps, composing public outreach documents, display boards, diagrams and renderings.		
d.	(1) TITLE AND LOCATION (City and State) SR 968/Flagler Street Premium Transit Project Development & Environment (PD&E) Study, Miami, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016-Present	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 In 2016, the SR 968/Flagler Street/SW 1 st Street Corridor was identified in the Strategic Miami Area Rapid Transit (SMART) Plan as a Bus Express Rapid Transit Service (BERT), to be prioritized for premium transit services. This study focuses on providing multimodal street improvements and premium transit service, but will also include other roadways and expressways connecting to SR 968/Flagler Street for accommodating potential branched transit routes that will be part of the proposed Premium Transit service. FDOT District Six initiated this PD&E study for a net cost of 4.5 million dollars. Zach is providing general support for PD&E process, assisting in analysis of existing transit patterns and alternative solutions, building GIS and Illustrated maps, display boards, and graphics.		
e.	(1) TITLE AND LOCATION (City and State) Plan NOBE, Miami Beach, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Town planner for the North Beach Master Plan on Miami Beach. The Master Plan design process centered around a Charrette—an intensive, open planning process that combines hands-on community brainstorming with “designing in public.” In February 2016, the team set up a week-long Open Design Studio, meeting more than 1,000 interested residents and stakeholders including property owners, neighbors, merchants, developers, environmental specialists, historic preservationists and community leaders. During this time, Zach acted both as a policy liaison to the public and as design and graphics support for the rest of the team. Following the Charrette, he authored multiple sections of the report, created most of the diagrams, infographics and illustrated maps, and acted as a layout specialist for the report which came to be titled “Plan NOBE”.		

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

12. NAME Isabella Remolina	13. ROLE IN THIS CONTRACT GIS Specialist	14. YEARS EXPERIENCE	
		a. Total 3	b. With Current Firm <1
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Miami, FL)			
16. EDUCATION (Degree and Specialization) BS, Urban and Regional Planning		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State) East-West Corridor Metrorail Extension Project Development - Phase I, Miami, FL	(2) YEAR COMPLETED	
		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 The Miami-Dade County Department of Transportation and Public Works (DTPW) is studying the implementation of Rapid Transit within the East-West Corridor. The East-West Corridor is identified in the Strategic Miami Area Rapid Transit (SMART) Plan as a priority corridor for implementation of rapid transit service. The project covers SR 836/Dolphin Expressway from Florida International University (FIU) to the Miami Intermodal Center (MIC) at Miami International Airport. This project is in the planning and development phase. As a GIS specialist, assist in producing GIS maps and system performance assessments which includes land use maps, population and employment maps, evaluating and comparing transit modes, and producing display boards for public meetings.		
b.	(1) TITLE AND LOCATION (City and State) SR 976/SW 40 Street/Bird Road Corridor Study, Miami, FL	(2) YEAR COMPLETED	
		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 The Florida Department of Transportation (FDOT) is conducting a corridor study along SR 976/SW 40 Street/Bird Road from Homestead Extension of Florida's Turnpike (HEFT) to SR 5/US 1/South Dixie Highway. The corridor study objectives include: evaluating existing transportation conditions; identifying recurring congestion locations, operational deficiencies and safety issues; developing future traffic volume and transit ridership forecasts; address existing and future mobility needs; developing prioritized recommendations for multimodal transportation improvements and analyses. Isabella is assisting in building GIS and illustrated maps, display boards, and graphics.		
c.	(1) TITLE AND LOCATION (City and State) SR 968/Flagler Street Premium Transit Project Development & Environment (PD&E) Study, Miami, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016-Present	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 In 2016, the SR 968/Flagler Street/SW 1st Street Corridor was identified in the Strategic Miami Area Rapid Transit (SMART) Plan as a Bus Express Rapid Transit Service (BERT), to be prioritized for premium transit services. This study focuses on providing multimodal street improvements and premium transit service, but will also include other roadways and expressways connecting to SR 968/Flagler Street for accommodating potential branched transit routes that will be part of the proposed Premium Transit service. Isabella is providing general support for PD&E process. Assisting in analysis of existing transit patterns and alternative solutions, building GIS and illustrated maps, display boards, and graphics.		
d.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
e.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		

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

12. NAME Rosella Picado, PhD	13. ROLE IN THIS CONTRACT Senior Travel Demand Eng	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. Total</td> <td>b. With Current Firm</td> </tr> <tr> <td>20</td> <td>17</td> </tr> </table>		a. Total	b. With Current Firm	20	17
a. Total	b. With Current Firm						
20	17						
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Seattle, WA)							
16. EDUCATION (Degree and Specialization) PhD, Transportation Engineering; MS, Transportation Engineering; BS, Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)					

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

Publications

- Picado, R. A Test of Transferability: The SE Florida Activity-Based Model. Presented at the 14th Transportation Research Board National Planning Applications Conference (Columbus, OH: May 5-9, 2013).
- Xu, J., R. Picado and D. McKinstry. Validation of Person Trip Tables for Transit Forecasting. Presented at the Conference on Using Census Data for Transportation Applications (Irvine, CA: October 25-27, 2011).

Professional Affiliations: International Association of Travel Behavior Research; Women's Transportation Seminar; Transportation Research Board

19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State) NW 27th Avenue Premium Transit Corridor Project Development and Environmental (PD&E) Study, Florida Department of Transportation District Six, Miami, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2016-Present	CONSTRUCTION (If Applicable)	
a. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE In 2016, the SR-9/SR-817/NW 27 th Avenue Corridor was identified by the Strategic Miami Area Rapid Transit (SMART) Plan to be prioritized for premium transit services (Bus Rapid Transit (BRT), Light Rail Transit (LRT), and other appropriate transit modal technologies). The primary study objective is to evaluate the implementation of a cost-effective, high-ridership premium transit system within the NW 27 th Avenue Corridor that is to be part of an overall interconnected premium transit network. This study focuses on NW 27 th Avenue for providing a rapid transit running way via exclusive transit lanes, to also include other roadways and expressways connecting to/from NW 27 th Avenue for accommodating potential branched transit routes. Rosella's role is to lead the travel demand forecasting activities. These activities comprise a corridor-level validation of the regional model, SERPM 7.0, to observed highway volumes and transit ridership, and preparing travel demand forecasts for 2040 No Build, Transportation System Operations, and Build alternatives.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
b. (1) TITLE AND LOCATION (City and State) SR 968/Flagler Street Premium Transit Project Development & Environment (PD&E) Study, Miami, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2016-Present	CONSTRUCTION (If Applicable)	
b. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE The SR-968/Flagler Street/SW 1st Street Corridor (East-West Corridor) was identified as one of eight Rapid Transit Corridors in the 2002 People's Transportation Plan (PTP) with two segments, HEFT to SR-826, and SR-826 to Port Miami. The Miami-Dade MPO Governing Board directed that the Flagler Street component of the East-West Corridor be implemented in an expedited manner assuming full Bus Rapid Transit (BRT), Light Rail Transit (LRT), or other appropriate premium transit modal technologies. Parsons Brinckerhoff was hired to conduct this PD&E study. Rosella's role is the lead the travel demand forecasting activities. These activities comprise a corridor-level validation of the regional model, SERPM 7.0, to observed highway volumes and transit ridership, and preparing travel demand forecasts for 2040 No Build, Transportation System Operations, and Build alternatives.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
c. (1) TITLE AND LOCATION (City and State) Beach Corridor Transit Connection, Miami Beach, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2016-Present	CONSTRUCTION (If Applicable)	
c. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE For the City of Miami Beach, Parsons Brinckerhoff was tasked with developing ridership forecasts for the South Beach Component of the Beach Corridor Transit Connection. The transit alternatives include a Streetcar circulator serving South Beach and destinations along Alton Road, Dade Blvd and Washington Street. Several alternatives are under study including lane take-away to operate the streetcar in exclusive right-of-way. Rosella is managing the travel demand forecasting task.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
d. (1) TITLE AND LOCATION (City and State) Southeast Florida Activity-Based Model Development, Miami, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2016-Present	CONSTRUCTION (If Applicable)	
d. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE The project implemented an activity-based model for the southeast Florida region. The model was developed over an 18 month period, starting with the transfer of the San Diego Association of Governments model, preparation of networks and population and employment data, and customization of the model to SE Florida conditions, including the development of a Visitor Model. The model was calibrated to targets developed from NHTS 2009 add-on survey, Census data, and regional on-board surveys, among other sources. Special attention was given to the treatment of tolls throughout the entire model system, given the prevalence of fixed and variably-priced toll roads and high-occupancy toll lanes in the region. Rosella was in charge of project management and leading the estimation and calibration of the entire model system.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		

e.	(1) TITLE AND LOCATION (City and State) Florida Department of Transportation Central Office On-Call, Tallahassee, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2013	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		
	<p>This project is a 5-year contract to improve the Florida Standard Urban Transportation Model System (FSUTMS). This ambitious program seeks to reformulate the battery of standard modeling tools applied throughout the State of Florida to support project evaluation and regional transportation plans. One of the first tasks under this contract was the Transit Model Update project, tasked with raising the state of the transit modeling practice to meet or exceed best practices across the United States. Specific tasks included an on-board rider survey synthesis of practice, model calibration and validation guidance, case for the project workshops and guidance for using and understanding user benefits. Rosella's contribution to this effort included the development of a detailed assessment of FSUTMS, formulating specific guidance to improve the models and their transit demand forecasts and leading the implementing of these recommendations in a prototype model for the Capital Area Regional Transportation Agency.</p>		

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

12. NAME Raghuprasad Sidharthan, PhD	13. ROLE IN THIS CONTRACT Travel Demand Modeler	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. Total</td> <td>b. With Current Firm</td> </tr> <tr> <td>7</td> <td>4</td> </tr> </table>		a. Total	b. With Current Firm	7	4
a. Total	b. With Current Firm						
7	4						
15. FIRM NAME AND LOCATION (CITY AND STATE) WSP USA Inc. (Seattle, WA)							
16. EDUCATION (Degree and Specialization) PhD, Transportation Engineering; M Tech., Infrastructural Civil Engineering; B Tech, Civil Engineering	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)						
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)							
Publications							
<ul style="list-style-type: none"> Bhat, C.R., K. Born, R. Sidharthan, and P.C. Bhat, "A Count Data Model with Endogenous Covariates: Formulation and Application to Roadway Crash Frequency at Intersections," Technical paper, Department of Civil, Architectural and Environmental Engineering, The University of Texas at Austin, July 2013 Sidharthan, R., and C.R. Bhat (2012), "Incorporating Spatial Dynamics and Temporal Dependency in Land Use Change Models," Geographical Analysis, Vol. 44, No. 4, pp. 321-349 Seraj, S., R. Sidharthan, C.R. Bhat, R.M. Pendyala, and K.G. Goulias (2012), "Parental Attitudes Towards Children Walking and Bicycling to School" Transportation Research Record, Vol. 2323, pp. 46-55 							
19. RELEVANT PROJECTS							
(1) TITLE AND LOCATION (City and State) Southeast Florida Activity-Based Model Development (SERPM 7.0), Florida Department of Transportation District Four, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2015-Present</td> <td></td> </tr> </table>			PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2015-Present	
PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)						
2015-Present							
a. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Travel demand modeler tasked with enhancement of their current activity based modeling framework, Coordinated Travel Regional Activity-Based Modeling Platform (CT-RAMP). Tasks involved analyzing and providing recommendations on convergence behavior, sampling variance and performing site impact study. As part of the task a geographic sampling enhancement was designed that samples the household for the activity based models in a non-random way to improve accuracy. Raghu was responsible for implementing code changes, performing the analysis, and documenting the results and recommendations in technical memorandums.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM						
(1) TITLE AND LOCATION (City and State) Treasure Coast Activity-Based Model Development, St. Lucie, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2015</td> <td></td> </tr> </table>			PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2015	
PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)						
2015							
b. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Travel demand modeler tasked with developing an activity-based model for the region comprised by Martin, St. Lucie and Indian River Counties. The approach followed was the transfer and modification of the SE Florida ABM model, with significant updates to the model structure to facilitate its use in a smaller, less congested region. Raghu was responsible for the calibration and validation of the activity-based model.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM						
(1) TITLE AND LOCATION (City and State) Treasure Island Mobility Study Five Year Plan, San Francisco, CA	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2016</td> <td></td> </tr> </table>			PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2016	
PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)						
2016							
c. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Travel Demand Modeler under the sponsorship of San Francisco County Transportation Authority, tasked with adapting the existing weekday travel demand model (CHAMP) to a typical weekend day and calibrating the model to weekend targets. A sampling procedure was designed to sample the tours from weekday model output to generate weekend. Raghu was also tasked with the creation of a separate recreational demand model to account for demand related to recreation activities on Treasure Island not already represented in CHAMP.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM						
(1) TITLE AND LOCATION (City and State) I-20 East Transit Performance Alternatives Analysis, Atlanta, GA	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>Ongoing</td> <td></td> </tr> </table>			PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	Ongoing	
PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)						
Ongoing							
d. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Travel demand modeler under the sponsorship of Metropolitan Atlanta Rapid Transit Authority (MARTA), tasked with evaluating multiple transit options using the Activity Based Model. Three alternatives are evaluated: a Heavy Rail Transit alternative (HRT), Bus Rapid Transit (BRT) and a BRT Lite. Raghu was responsible for model modification to the activity based model to generate 'new starts' methodology type transit benefit analysis, output analysis to obtain various ridership and traffic indicators and reports.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM						
(1) TITLE AND LOCATION (City and State) Southern California Association of Governments (SCAG) Activity Based Modeling (ABM), Los Angeles, CA	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2007</td> <td></td> </tr> </table>			PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2007	
PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)						
2007							
e. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Travel demand modeler tasked with estimation of the models and in the redesign of the existing ABM to improve the sensitivity of the model to policy measures. Raghu also provided model training to SCAG staff, which included sessions on both model theory and model estimation techniques using different software packages.	<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM						

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

Complete one Section E for each key person.

12. NAME Frank Gonzalez, PE	13. ROLE IN THIS CONTRACT Roadway & Site Lighting Design	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. Total 32</td> <td>b. With Current Firm 8</td> </tr> </table>		a. Total 32	b. With Current Firm 8
a. Total 32	b. With Current Firm 8				
15. FIRM NAME AND LOCATION (CITY AND STATE) AMBRO, Inc. (Miami, FL)					
16. EDUCATION (Degree and Specialization) MBA; MS, Electrical Engineering; BS, Electrical Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Florida: State Certified Underground Pollutant Storage; State Certified General Contractor; State Certified Electrical Contractor; State Certified Mechanical Contractor; State Certified Plumbing Contractor; Cathodic Protection Specialist (NACE License)					
19. RELEVANT PROJECTS					
(1) TITLE AND LOCATION (City and State) Opa-Locka Recycling and Transfer Station, Opa-Locka, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2012</td> <td>CONSTRUCTION (If Applicable) 2012</td> </tr> </table>			PROFESSIONAL SERVICES 2012	CONSTRUCTION (If Applicable) 2012
PROFESSIONAL SERVICES 2012	CONSTRUCTION (If Applicable) 2012				
a. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Design & permitting for construction & demolition debris recycling center. Preparation of Operation & Maintenance manual, and Engineering Report. Design & construction management services for facilities' concrete reinforced structure, tipping slab, push wall, weighing scale and dry retention stormwater management area. Construction \$1.8M					
(1) TITLE AND LOCATION (City and State) Continuing Services for Sunshine Gas Distributors British Petroleum	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2012</td> <td>CONSTRUCTION (If Applicable)</td> </tr> </table>			PROFESSIONAL SERVICES 2012	CONSTRUCTION (If Applicable)
PROFESSIONAL SERVICES 2012	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 Design and permitting for the construction of a new gas station and convenient stores. Design and permitting for the renovation of existig convenient stores. Construction \$4M					
(1) TITLE AND LOCATION (City and State) WSI - Hialeah	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2012</td> <td>CONSTRUCTION (If Applicable)</td> </tr> </table>			PROFESSIONAL SERVICES 2012	CONSTRUCTION (If Applicable)
PROFESSIONAL SERVICES 2012	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 Design and permitting of a parking lot and street lighting. The services provided included the design, permitting and construction management for a new above ground fuel storage tank with dispensers.					
(1) TITLE AND LOCATION (City and State) Segal Park Miscellaneous Engineering Services	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2010</td> <td>CONSTRUCTION (If Applicable) 2010</td> </tr> </table>			PROFESSIONAL SERVICES 2010	CONSTRUCTION (If Applicable) 2010
PROFESSIONAL SERVICES 2010	CONSTRUCTION (If Applicable) 2010				
d. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Civil engineering services to rehabilitate an existing Public Recreational Park in the City of Opa Locka. The scope of work included new walkways, benches, play areas, regarding of site and new parking lot areas. Construction \$200K					
(1) TITLE AND LOCATION (City and State) Signalization and Pavement Marking on Ives Dairy Road	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2007</td> <td>CONSTRUCTION (If Applicable) 2007</td> </tr> </table>			PROFESSIONAL SERVICES 2007	CONSTRUCTION (If Applicable) 2007
PROFESSIONAL SERVICES 2007	CONSTRUCTION (If Applicable) 2007				
e. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Civil Engineering services including design and construction management of a right turning lane, school zone signage and pavement markings and solar powered flashers. Construction \$1M					

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

Complete one Section E for each key person.

12. NAME Fredrick Riviere, EI	13. ROLE IN THIS CONTRACT Utility Locates	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. Total</td> <td>b. With Current Firm</td> </tr> <tr> <td>21</td> <td>6</td> </tr> </table>		a. Total	b. With Current Firm	21	6
a. Total	b. With Current Firm						
21	6						
15. FIRM NAME AND LOCATION (CITY AND STATE) AMBRO, Inc. (Miami, FL)							
16. EDUCATION (Degree and Specialization) BS, Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)					
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)							

19. RELEVANT PROJECTS							
a.	(1) TITLE AND LOCATION (City and State) Edificio Pineiro – 2000 SW 21 Avenue, Miami, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2010</td> <td>2011</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2010	2011
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)					
	2010	2011					
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Design and permit a 12-inch diameter Water Main extension along SW 12 Street from SW 20 Avenue to SW 21 Avenue to provide Fire protection for the existing building apartment complex. The prepared documents constituted of project specifications and construction drawings for an 4” water main extension for a fire line connection from a proposed 12” water main to the existing building. Professional fee \$28,000							
b.	(1) TITLE AND LOCATION (City and State) Ben Sheppard Elementary School New Addition	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2016</td> <td></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2016	
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)					
	2016						
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM The project entailed a new building and a bus drop-off on West 54 street in Hialeah, Fl. The civil work included the design of paving, grading and drainage for the site and as well for the new bus drop off. The bus drop-off also included signing and pavement marking plans. Professional fee \$39,000							
c.	(1) TITLE AND LOCATION (City and State) New Science Building at Florida Memorial College Civil Engineering Services, Miami Gardens, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2011</td> <td>2014</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2011	2014
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)					
	2011	2014					
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Prepared construction drawings for site grading and drainage to collect rainfall runoff from the proposed building. Prepared construction documents for onsite water supply and onsite sanitary sewer connection for the proposed building. The proposed utilities will be connected to existing systems. Prepared construction documents for offsite water main extension for a new Fire Line connection for the proposed building. Professional fee \$10,000							
d.	(1) TITLE AND LOCATION (City and State) Miami-Dade Schools (i.e. Miami Central Senior High, Lawton Chile Middle School, Coleman Carroll)	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2004</td> <td>2009</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2004	2009
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)					
	2004	2009					
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Supervise all phases of projects. Review shop drawings and construction cost. Design water main extensions, roadway expansion, driveways, drainage, signage, striping, and coordinate with the other related disciplines.							
e.	(1) TITLE AND LOCATION (City and State) Offsite Civil Engineering for Belen Jesuit School, Miami-Dade County, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2011</td> <td></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2011	
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)					
	2011						
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Prepare construction drawings for geometry, paving, grading and drainage, signage for a right turn lane on SW 6 street and a cul-de-sac on SW 128 th Avenue. As part of the scope. Identified grading plan and compaction specifications of subgrade; identified storm water runoff and drainage management system, including open and underground components; temporary and permanent protective structures; and reconstruction of storm water management structures within the boundaries of the project. Professional Fee \$24,000							

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

12. NAME Juan Villegas, PE	13. ROLE IN THIS CONTRACT Geotechnical Engineering/ Materials Testing	14. YEARS EXPERIENCE a. Total 22 b. With Current Firm 15			
15. FIRM NAME AND LOCATION (CITY AND STATE) Professional Services Industries, Inc. (Miami, FL)					
16. EDUCATION (Degree and Specialization) M.S., Geotechnical Engineering and Construction Management; B.S., Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Villegas oversees PSI's South Florida Operations. He has over 20 years of experience in the soils and construction materials testing field and is responsible for all aspects of project management involving geotechnical investigations and construction materials testing. He is familiar with field testing of soils, concrete, structural steel and asphalt in accord with ASTM/ACI/AASHTO/AWS/AISC/FDOT standards. He is also responsible for the in-house laboratory facility, report review and preparation and the engineering technicians on staff. In addition, he has extensive experience in facilities-remediation, which includes structural, roofing, waterproofing, site assessments, construction, pavements and code compliance. Mr. Villegas is the Executive-in-charge and successfully manages PSI's large government contracts for the FDOT, Miami-Dade Expressway Authority, The Turnpike Enterprise, Palm Beach, Broward, Miami-Dade, Martin, Fort Pierce Counties, School Board of Broward, Palm Beach, and Miami-Dade Counties.					
19. RELEVANT PROJECTS					
(1) TITLE AND LOCATION (City and State) Fort Lauderdale Hollywood International Airport, Runway & Terminal 4 Expansion, Fort Lauderdale, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2012-2015</td> <td>CONSTRUCTION (If Applicable) N/A</td> </tr> </table>			PROFESSIONAL SERVICES 2012-2015	CONSTRUCTION (If Applicable) N/A
PROFESSIONAL SERVICES 2012-2015	CONSTRUCTION (If Applicable) N/A				
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM a. Broward County Aviation Department (BCAD) awarded PSI USA one of the largest Field and Laboratory Construction Materials Testing contracts ever awarded in the State of Florida. PSI was selected to provide Quality Assurance Materials Testing (QAMT) for the Runway Expansion 9R-27L, Apron Replacement, and Terminal 4 Expansion. PSI services included the sampling and testing of soil, concrete, asphalt and other materials used for the construction of the runway and bridge structures (which support the runway), as well as the apron replacement. PSI was also involved with the contamination assessment, monitoring, and remedial action plan on this project. Role: Project Executive/Contract Manager Cost: \$11M in fees					
(1) TITLE AND LOCATION (City and State) Port of Miami Tunnel, Watson Island and Dodge Island, Miami Beach, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2003-2013</td> <td>CONSTRUCTION (If Applicable) N/A</td> </tr> </table>			PROFESSIONAL SERVICES 2003-2013	CONSTRUCTION (If Applicable) N/A
PROFESSIONAL SERVICES 2003-2013	CONSTRUCTION (If Applicable) N/A				
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM b. The project consists of a depressed roadway and tunnel between Watson Island and Dodge Island beneath the Government Cut main channel in Biscayne Bay, to provide improved access for cargo and passenger vehicles destined for the Port of Miami. PSI's services included a geotechnical study to obtain data regarding the general subsurface conditions near the proposed alignments by means of exploratory borings, as well as laboratory testing of the collected soil and rock samples. The laboratory testing was conducted for classification purposes and to provide pertinent engineering characteristics for this study. The construction of the tunnel utilized a Tunnel Boring Machine (TBM) and is now complete. Role: Senior Engineer PSI's Fees: \$3.5M					
(1) TITLE AND LOCATION (City and State) Miami-Dade County Florida Continuing Services Contract Projects Miami-Dade County, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2009-Ongoing</td> <td>CONSTRUCTION (If Applicable) N/A</td> </tr> </table>			PROFESSIONAL SERVICES 2009-Ongoing	CONSTRUCTION (If Applicable) N/A
PROFESSIONAL SERVICES 2009-Ongoing	CONSTRUCTION (If Applicable) N/A				
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM c. Since 2009, Principal-in-Charge responsible for geotechnical, environmental, and materials testing and inspections on hundreds of projects for over \$2,000,000 in fees under the Miami Dade County Miscellaneous Professional Services Agreements to Provide Soils, Foundations, and Materials Testing Services E09-PW-02 and Professional Services Agreements to Provide Materials Testing Testing/Consulting/Training Services E09-PW-03 from 2010 to 2013. These services have continued with these successive contracts since that time: E12-PWWM-02/E12-PWWM-03: 2013-2016, and currently, E15-PWWM-02/E15-PWWM-03 contracts. Role: Principal-in-Charge Cost: \$2M+					
(1) TITLE AND LOCATION (City and State) Miami-Dade Expressway Authority (MDX) Material Engineering and Testing Services Contract, Miami-Dade County, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2010-215</td> <td>CONSTRUCTION (If Applicable) N/A</td> </tr> </table>			PROFESSIONAL SERVICES 2010-215	CONSTRUCTION (If Applicable) N/A
PROFESSIONAL SERVICES 2010-215	CONSTRUCTION (If Applicable) N/A				
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM d. PSI has been involved in several projects that included: SR 874, SR 112, SR 836, and Central Blvd. We have successfully performed all the verification testing for material used on the projects that also included structural steel plants inspections and specialty testing such as coating (paint) thickness surveys on steel structures. As part of the contract, PSI also performed field verification testing and geotechnical services. The start date of this contract was in March 2010 and concluded in March 2015. The total contract amount collected for this term and services was approximately \$500,000. Services Provided: Materials Engineering and Specialty Testing Services, Geotechnical Services Dates: 03/2010 - 03/2015 Role: Contract Manager PSI's Fees: \$500K+					

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

Complete one Section E for each key person.

12. NAME Carlos Duque	13. ROLE IN THIS CONTRACT Geotechnical Engineering/ Materials Testing	14. YEARS EXPERIENCE a. Total 13 b. With Current Firm 12			
15. FIRM NAME AND LOCATION (CITY AND STATE) Professional Services Industries, Inc. (Miami, FL)					
16. EDUCATION (Degree and Specialization) Bachelor Degree, Universidad EAFIT		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Duque has over 10 years of project management experience in geotechnical laboratory testing, soil classification and related construction testing/inspection operations. He has been involved in numerous projects for the public and private sectors including: Miami-County, Various Cities within Miami-Dade County, Florida Department of Transportation (FDOT) (District IV, VI and Turnpike), Port(s) (Miami and Port Everglades), South Florida Water Management District (SFWMD), School District(s) (Miami-Dade, Broward, Monroe and Palm Beach) etc. Mr. Duque's experience includes coordination, monitoring and evaluation of subsurface explorations, laboratory studies, construction operations and assistance in geotechnical report preparation.					
19. RELEVANT PROJECTS					
a. (1) TITLE AND LOCATION (City and State) Port of Miami Tunnel (SR A1A), Watson Island and Dodge Island, Miami Beach, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2003-2014</td> <td>CONSTRUCTION (If Applicable) 2014</td> </tr> </table>			PROFESSIONAL SERVICES 2003-2014	CONSTRUCTION (If Applicable) 2014
	PROFESSIONAL SERVICES 2003-2014	CONSTRUCTION (If Applicable) 2014			
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Involved in the preparation of numerous Geotechnical Data Reports which contained the results of the field and laboratory tests associated with the geotechnical works both on land and over water. The field work involved obtaining various permits (with DERM, FDEP, USACOE) and coordination with various government agencies, cruise lines and environmental entities. The field work involved the use of methodologies such as Standard Penetration Test (SPT), rock coring (wire line and conventional double/triple tube), permeability/packer testing, Cone Penetrometer Testing, grouting studies, groundwater velocity measurements etc. Due to time restrictions posed by the cruise operations, field work during the last leg of our study required a 24-hour operation over water utilizing two crews. Role: Project Specialist Date: 2003-14 PSI Fees: 3+ Million Dollars					
b. (1) TITLE AND LOCATION (City and State) City of Opa-Locka City-Wide Water and Wastewater Improvements, Opa-Locka, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2015</td> <td>CONSTRUCTION (If Applicable) 2015</td> </tr> </table>			PROFESSIONAL SERVICES 2015	CONSTRUCTION (If Applicable) 2015
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If Applicable) 2015			
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Chief Engineer involved in the preparation of numerous Geotechnical Data Reports compiling the results of the field and lab tests associated with the geotechnical works on land and in water. Field work involved extensive permitting and coordination with various government and environmental entities					
c. (1) TITLE AND LOCATION (City and State) FPL Overtown-Venetian Transmission Line - Miami/Miami-Beach, Miami-Dade County, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2003-2008</td> <td>CONSTRUCTION (If Applicable) N/A</td> </tr> </table>			PROFESSIONAL SERVICES 2003-2008	CONSTRUCTION (If Applicable) N/A
	PROFESSIONAL SERVICES 2003-2008	CONSTRUCTION (If Applicable) N/A			
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Involved in developing design documents for the construction of transmission line from Miami to Miami Beach across the Biscayne Bay. The installation involved cut and cover techniques on the land side, while horizontal direction drilling (HDD) was utilized to construct the alignment across Biscayne Bay. The use of the HDD technique was vital within Biscayne Bay to minimize impacts to the submerged aquatic resources. The field work occurred both on land and over the shallow waters of Biscayne Bay, which required significant coordination with various environmental agencies.					
d. (1) TITLE AND LOCATION (City and State) Various Utilities Construction, Miami-Dade County, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2008-2009</td> <td>CONSTRUCTION (If Applicable) N/A</td> </tr> </table>			PROFESSIONAL SERVICES 2008-2009	CONSTRUCTION (If Applicable) N/A
	PROFESSIONAL SERVICES 2008-2009	CONSTRUCTION (If Applicable) N/A			
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Force Main Replacement - S.W. 192 nd Avenue from S.W. 354 th Street to S.W. 360 th Street (2014) S.W. 76 th Street and S.W. 84 th Street (2014) N.W. 112 th Avenue from W. Flagler Street to N.W. 2 nd Terrace (2015) Pump station and sewer line extension, Diplomat Parkway, Hallandale Beach, Florida (2015)					

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

12. NAME Juan Calderon, PE, PTOE	13. ROLE IN THIS CONTRACT Traffic Data Collection	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. Total 18</td> <td>b. With Current Firm 6</td> </tr> </table>		a. Total 18	b. With Current Firm 6
a. Total 18	b. With Current Firm 6				
15. FIRM NAME AND LOCATION (CITY AND STATE) CALTRAN Engineering Group, Inc. (Miami, FL)					
16. EDUCATION (Degree and Specialization) MS, Civil Engineering; BS, Civil Engineering	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL; •Professional Traffic Operations Engineer #1301; •Professional Transportation Planner No. 20				
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Calderon has over 18 years of experience in traffic/ transportation engineering with a Master Degree in Civil Engineering. Mr. Calderon 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) Downtown Miami Complete Streets (Lane Elimination) Project, SW/SE 1st Street, Miami, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2016-2017</td> <td>CONSTRUCTION (If Applicable)</td> </tr> </table>			PROFESSIONAL SERVICES 2016-2017	CONSTRUCTION (If Applicable)
PROFESSIONAL SERVICES 2016-2017	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 Project Manager responsible for traffic-engineering services to complete a feasibility study to apply a Complete Street concept to SW/SE 1 st Street in Downtown Miami, between SW 2 nd 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.					
(1) TITLE AND LOCATION (City and State) City of Coral Gables Comprehensive Multimodal Transportation Plan, Coral Gables, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2016-Ongoing</td> <td>CONSTRUCTION (If Applicable)</td> </tr> </table>			PROFESSIONAL SERVICES 2016-Ongoing	CONSTRUCTION (If Applicable)
PROFESSIONAL SERVICES 2016-Ongoing	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 Project Manager 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.					
(1) TITLE AND LOCATION (City and State) Traffic Operations Studies, C8W68, Florida Department of Transportation District Six, Miami-Dade and Monroe Counties, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2013-Ongoing</td> <td>CONSTRUCTION (If Applicable) N/A</td> </tr> </table>			PROFESSIONAL SERVICES 2013-Ongoing	CONSTRUCTION (If Applicable) N/A
PROFESSIONAL SERVICES 2013-Ongoing	CONSTRUCTION (If Applicable) N/A				
c. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Project Manager 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.					
(1) TITLE AND LOCATION (City and State) Beacon Tradeport Community Development (Dolphin Mall) Traffic Circulation Improvement Master Plan, Miami, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2012-2013</td> <td>CONSTRUCTION (If Applicable) N/A</td> </tr> </table>			PROFESSIONAL SERVICES 2012-2013	CONSTRUCTION (If Applicable) N/A
PROFESSIONAL SERVICES 2012-2013	CONSTRUCTION (If Applicable) N/A				
d. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Project Manager. Retained by the Beacon Tradeport Community Development District (CDD) to develop a Traffic Circulation Improvements 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 25 th Street along NW 117 th Avenue in the northwestern portion of the CDD.					
(1) TITLE AND LOCATION (City and State) Study Services for the US-1 Express Lanes along the South Miami-Dade Bus Way from SW 344th street to SR 826 (Palmetto Expressway), Miami, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 210-2011</td> <td>CONSTRUCTION (If Applicable)</td> </tr> </table>			PROFESSIONAL SERVICES 210-2011	CONSTRUCTION (If Applicable)
PROFESSIONAL SERVICES 210-2011	CONSTRUCTION (If Applicable)				
e. (3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Project Manager 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.					

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

12. NAME Carlos M. Perez, PE		13. ROLE IN THIS CONTRACT Traffic Data Collection		14. YEARS EXPERIENCE a. Total 19 b. With Current Firm 5	
15. FIRM NAME AND LOCATION (CITY AND STATE) CALTRAN Engineering Group, Inc. (Miami, FL)					
16. EDUCATION (Degree and Specialization) BS, Civil Engineering			17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer: FL		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Perez is a Professional Engineer with more than 17 years of experience in Geographic Information Systems, Pavement Management System Analysis, Traffic Monitoring Site selection and design, Roadway Characteristics Inventory, Highway Performance Monitoring System, and Railroad Highway Crossing Inventory and Inspection consulting services.					
19. RELEVANT PROJECTS					
a.	(1) TITLE AND LOCATION (City and State) Transportation Statistics Support No. 3, C9617, Florida Department of Transportation (FDOT) District Six, Miami, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2013-Ongoing	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Project Engineer 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.			<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
b.	(1) TITLE AND LOCATION (City and State) Districtwide Planning & Environmental GIS General Consultant, FDOT District Four, Broward, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2007-2013	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Project Manager responsible to provide GIS services to supplement the FDOT's District Four PL&EM Staff. Support areas included, but were not limited to: organization and maintenance of GIS data library, geographical information systems (GIS) on-site application support, development of office specific GIS applications, website programming, training, and miscellaneous general services to support planned and ongoing production efforts as directed by the FDOT.			<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
c.	(1) TITLE AND LOCATION (City and State) Districtwide Data Collection, FDOT District Four and Six, Miami, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2005-2013	CONSTRUCTION (If Applicable) N/A	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Project Manager/Project Engineer responsible for the supervision of traffic and roadway data collection and analysis for the Statistics Unit in the Planning Office. Project's assignments included: 24, 48, & 72 hr traffic counts, researching and recording data into the Roadway Characteristics Inventory (RCI) and Highway Performance Monitoring System (HPMS) databases, Straight Line Diagrams (SLD), traffic counts, jurisdictional transfers, and GIS services.			<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
d.	(1) TITLE AND LOCATION (City and State) Short Range Project Development Consultant, FDOT District Six, Miami-Dade and Monroe Counties, Miami, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2006-2010	CONSTRUCTION (If Applicable) N/A	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Project Engineer responsible for pavement management enhancement projects within Miami Dade and Monroe counties and recommended improvements and preliminary cost estimates. Managed highway and traffic data collection assignments. Scoping report were produced to assess existing conditions 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. The assessment included physical and operational conditions, and a safety assessment; as well as ADA Compliance.			<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
e.	(1) TITLE AND LOCATION (City and State) Districtwide Data Collection, FDOT District Six, Miami, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2000-2002	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Project Engineer responsible for traffic and roadway data collection. Project's assignments included: 24, 48, & 72 hr traffic counts, researching and recording data into the Roadway Characteristics Inventory (RCI) and Highway Performance Monitoring System (HPMS) databases, as well as preparation of GIS enhanced Straight Line Diagrams (SLD) where all roadway data is graphically represented. These databases were developed by the FDOT to collect and store roadway characteristics.			<input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

Complete one Section E for each key person.

12. NAME Timothy H. Gray, PSM	13. ROLE IN THIS CONTRACT Surveyor	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. Total</td> <td>b. With Current Firm</td> </tr> <tr> <td>17</td> <td>1</td> </tr> </table>		a. Total	b. With Current Firm	17	1
a. Total	b. With Current Firm						
17	1						
15. FIRM NAME AND LOCATION (CITY AND STATE) Keith and Associates, Inc., (Doral, FL)							
16. EDUCATION (Degree and Specialization) B.S., Geomatics		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Surveyor and Mapper: FL					

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

Mr. Perez is a Professional Engineer with more than 17 years of experience in Geographic Information Systems, Pavement Management System Analysis, Traffic Monitoring Site selection and design, Roadway Characteristics Inventory, Highway Performance Monitoring System, and Railroad Highway Crossing Inventory and Inspection consulting services.

19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State) NW 87th Avenue, Florida Department of Transportation (FDOT) District Six, Miami, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Mr. Gray served as the project surveyor for control and design surveying services and preparation of a Corridor Map and Genesis Map from NW 74 th Street to NW 103 rd Street. Assignments included processing the survey data, both GPS and EFB, for the survey to support the calculation of the baseline of survey and existing right-of-way. Mr. Gray as PSM, updated the control map into a Genesis map			
b. (1) TITLE AND LOCATION (City and State) R/W Mapping, FDOT District Six, Miami, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If Applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Served as Project Surveyor for this Miscellaneous Right-of-Way Mapping Contract, providing services to update current FDOT Right-of-Way. Services included the production of Maintenance Maps and Right-of-Way Maps for projects including: SR-934 (81 st /82 nd Street, between NW 13 th Court and NE 4 th Place), SR-934 (NW 79 th Street, between 14 th Avenue and Biscayne Bay).			
c. (1) TITLE AND LOCATION (City and State) Districtwide Miscellaneous Survey and Mapping FPID: 250686-1-32-16 (Miami-Dade County, Florida) , FDOT District Six, Miami, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If Applicable) N/A	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Project Surveyor/Senior Survey Technician for District 6 Districtwide Miscellaneous Surveying and Mapping.			
d. (1) TITLE AND LOCATION (City and State) Miami-Dade Water and Sewer Department WCTS, Miami-Dade County, Miami, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If Applicable) N/A	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Mr. Gray is responsible for performing right-of-way, boundary, and topographic surveys for various roadways and utility easements in support of multiple utility projects. Tasks include the determination of road right-of-way and/or utility easement limits, topographic surveys, as-built surveys, and the preparation of sketch and legal descriptions for interdepartmental agreements. This is a continuing contract in support of the Miami-Dade County WASD Consent Decree Program Management and Construction Management program. Task Work Orders have been performed in Miami Gardens and Hialeah.			
e. (1) TITLE AND LOCATION (City and State) South Florida Regional Transportation Authority Boundary Survey Parcel 104, Hialeah, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2016	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 Mr. Gray provided a boundary survey indicating the boundary lines of the parcel and all surface improvements, as well as a sketch and legal description to delineate encroachments on to SFRTA Parcel 104, located in the SFRTA's Hialeah yard. Mr. Gray also provided a Surveyor's Report to SFRTA attorneys, delineating the methods used to determine the appropriate boundary's location and possible encroachments in advance of prospective legal action. This Task Work Order was performed as part of our General Planning Consultant Services continuing contract.			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

Complete one Section E for each key person.

12. NAME Daniel Checchia	13. ROLE IN THIS CONTRACT Surveyor/ S.U.E	14. YEARS EXPERIENCE	
		a. Total 19	b. With Current Firm 5

15. FIRM NAME AND LOCATION (CITY AND STATE)
Keith and Associates, Inc., (Doral, FL)

16. EDUCATION (Degree and Specialization)
AS, Applied Science in Construction Technology

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
FDOT Maintenance of Traffic

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
a.	Districtwide Utility Coordination Services, Florida Department of Transportation (FDOT) District Six, Miami, FL	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM As a Prime consultant, Keith and Associates is providing utility coordination services 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.	Districtwide Utility Location Services, FDOT District Six, Miami, FL	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM As a Prime consultant, Keith and Associates is providing underground utility location services, 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.		
c.	Ravenswood Bridge Replacement, FDOT District Four, Fort Lauderdale, FL	2014	2014
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Mr. Checchia served as the utility coordination manager. As a sub-consultant to Bolton Perez & Associates, Keith and Associates 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. Utility Certification was completed on schedule.		
d.	Pompano Beach Boulevard Streetscape, Pompano Beach, FL	2013	2013
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <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.	Replacement & Rehabilitation of 72-inch Sanitary Force Main, North Miami, FL	2016	2016
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) 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 6 th Avenue and 159 th Street and North Miami Avenue.		

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

12. NAME M. Christopher Alonso, RLA, LEED AP BD+C	13. ROLE IN THIS CONTRACT Landscape Design	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. Total</td> <td>b. With Current Firm</td> </tr> <tr> <td>30</td> <td><1</td> </tr> </table>		a. Total	b. With Current Firm	30	<1
a. Total	b. With Current Firm						
30	<1						
15. FIRM NAME AND LOCATION (CITY AND STATE) Fernandez-Beraud, Inc., (Coral Gables, FL)							
16. EDUCATION (Degree and Specialization) Master of Landscape Architecture; B.A.		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Landscape Architect: FL #6666853 CLARB Certified #3955					
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)							

19. RELEVANT PROJECTS							
a.	(1) TITLE AND LOCATION (City and State) NW 137th Avenue Master Plan for Bike Trail, Miami, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2016</td> <td></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2016	
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)					
2016							
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Development of a masterplan that included a bike path, and enhanced pedestrian crosswalk, and trees for shade, grading enhancements, and fitness amenities inside the FPL corridor (NW 8th St. to NW 12th St. along 137th Ave.). The plan helped identify current use and connectivity issues with surrounding communities, schools, and FPL site use and drainage. Project Manager and Landscape Architect: Master Plan							
b.	(1) TITLE AND LOCATION (City and State) 157th Avenue Bike Trail / Newton Trail, Miami, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2016</td> <td></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2016	
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)					
2016							
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Designed and developed construction documents and permitted plans to create a 1-mile multi-use trail, including wayfinding signage, regulatory signage, and enhanced pedestrian crossing and landscaping. Plantings provide shade; the understory planting and wildflower mix help reduce maintenance costs. Design created additional linear parks where future shelters, butterfly gardens and seating can be installed. Project Manager and Landscape Architect							
c.	(1) TITLE AND LOCATION (City and State) 152nd Avenue Streetscape, Miami, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2016</td> <td></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2016	
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)					
2016							
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Developed a planting plan and streetscape planting for Miami-Dade County Public Works and Waste Management Department from SW 157th Ave. to SW 147th Ave. Project included an overall assessment of the existing palms and trees, the removal and relocation of large Royal Palms, and the addition of shade trees and median planting to enhance the overall feel and experience of the installed pedestrian walkway. Project Manager and Landscape Architect: Construction Documents and Permitting							
d.	(1) TITLE AND LOCATION (City and State) North East Library (LEED Gold), Aventura, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2009-2016</td> <td>2016</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2009-2016	2016
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)					
2009-2016	2016						
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Achieved LEED Gold Certification through site-specific design elements, including a cistern system to water the landscape and eventually provide water to other library features. Design of two courtyards with seating, Ipe decking, living walls wrapping the courtyards, and a granite fountain to reflect the sky. Created an enhanced storm water basin to encourage more wildlife, where previously there was only grass. Landscape Architect: Const. Documents, Permitting, Const. Admin. and LEED Certification							
e.	(1) TITLE AND LOCATION (City and State) CAA Head Start Facility (LEED Silver), Miami, FL	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2010-2015</td> <td>2008</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2010-2015	2008
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)					
2010-2015	2008						
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM Assisted in locating the building and parking in order to showcase the existing specimen trees and understory planting. Design saved and relocated large oak trees and Ficus aurea to preserve the site's original character. Developed playgrounds and pathways around certain plant communities to develop nature-based play and encouraged students to learn from their environment; arranged plants to encourage kids to touch and feel plants while walking and playing. Landscape Architect: Construction Documents, Permitting, Bidding and LEED Certification							

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

12. NAME Leticia Fernandez-Beraud, RLA	13. ROLE IN THIS CONTRACT Landscape Design	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. Total 25</td> <td>b. With Current Firm 13</td> </tr> </table>		a. Total 25	b. With Current Firm 13
a. Total 25	b. With Current Firm 13				
15. FIRM NAME AND LOCATION (CITY AND STATE) Fernandez-Beraud, Inc., (Coral Gables, FL)					
16. EDUCATION (Degree and Specialization) Master of Architecture; Master of Landscape Architecture; B.A., Architecture.		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Landscape Architect: FL # 6666730			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) CPTED - Florida Crime Prevention Through Environmental Design Practitioner; APA - American Planning Association; ISA - International Society of Arboriculture; LEED Green Associate					

19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
a.	Alligator Alley Rest Area Landscape Maintenance Guidelines, FDOT SR I-75, Mile Marker 30, Broward County, FL	2016	
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM The guidelines were created as a directive for FDOT Inspectors and as a requirement for Landscape Maintenance Contractors, in the landscape maintenance work of the Alligator Alley Rest Area. It is also a model of future maintenance manuals for FDOT District Four. Size: Project site of approximately 5 acres. Cost: N/A. Specific Role: Preparation of all landscape maintenance requirements, booklet, interviews with Landscape Contractors and meetings with FDOT District Four.		
b.	Miami Dade College Kendall Campus Landscape Enhancements, Miami, FL	2014	2015
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM The scope of work included the landscape enhancement of the campus gateways and the pool area located centrally. Size: Project site of approximately 33 acres. Cost: Landscape and Irrigation was estimated to be approximately \$900,000. Specific Role: Project Manager and project designer, in charge of Landscape Design Concepts, Design Dev., Construction Doc. & Observation.		
c.	Scott Rakow Youth Center, Miami Beach, FL	2006	2010
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM The project consisted in the renovation of the existing youth center with its outdoor areas, including new entrance plaza, parking facilities, children's play field, streetscape, and, the relocation and building around existing champion tree and palm specimens. Size: Site of approximately 5 acres. Cost: Landscape and Irrigation was estimated to be approximately \$225,000. Specific Role: Landscape Design Concepts, Design Dev., Construction Doc. & Observation.		
d.	MDX SR 83617 - Bike Path, SR 836 between NW 87th and 107th Avenues, FL	2009	2010
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM The project consisted in the design of a two-mile bike path. Sequence of native pinelands, combination of palm groves and flowering trees were used in the design. Seating areas in key locations were also included. Size: The bike path is two miles long. Cost: Landscape cost was approximately \$300,000. Specific Role: Leticia Fernandez was in charge of Landscape Design Concepts and Development, Construction Doc. & partial Construction Observation.		
e.	Flagler Grove Park, SW 107th Avenue and SW 104th Street, Pinecrest, FL	2006	2008
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM The project consisted in the design and construction of a neighborhood park. The program included two soccer fields, children's playground, restrooms, and, parking lot facilities. Size: Site of approximately 3.5 acres. Cost: Landscape Architecture and Irrigation was approximately \$375,000. Specific Role: Leticia Fernandez was in charge of Landscape Design Concepts and Development, Construction Documentation and Construction Observation.		



CORAL GABLES
THE CITY BEAUTIFUL

Multimodal Transportation Planning and Engineering Consulting Services

SECTION IV Project Control Experience



wsp

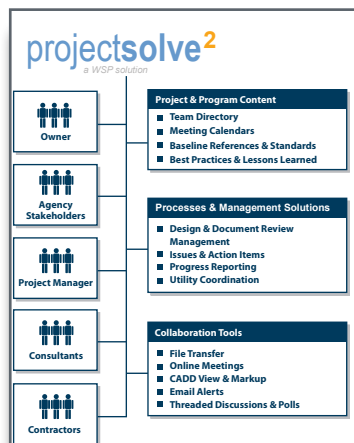
APPROACH AND METHODOLOGY

WSP has experience working on planning and engineering design projects that improve mobility across the world. The company has had a presence in Miami-Dade County for over 40 years and is proud of the expertise it can offer to the City of Coral Gables. WSP has a broad geographic and technical expertise in the transportation planning, land-use planning, travel demand, sustainable transportation systems and financial disciplines, having successfully completed transportation projects of every type and size. Our success is attributed to many factors, including a commitment to quality; our reputation for technical excellence; the respect of our peers; and most importantly, our commitment to clients.

Communication

Communication and management of the flow of information are key to efficiently and successfully complete a project. WSP will be responsible for the management and regulation of communicating information between project participants such as City staff, other City consultants, team members, other departments and outside agencies involved in the project. To facilitate this process, we will utilize our secure web based collaboration tool, ProjectSolve2, to control and share information for each project. The software is password-protected and uses state-of-the-art firewalls to preserve the highest level of security, and requires only an internet connection, browser, and password for access. This will by no means replace existing communication protocol and venues already in effect by the City, but will rather focus on each task accomplished as part of this contract. This tool allows all those involved on each project to share files, documents, review project schedules and obtain project information at any time.

- **ProjectSolve2** - an internet-based collaboration and document management system.
- **Hosted website** - communicating project documentation, schedules and information to the City and community.
- **Progress reporting** - summarizing program and project-level status and achievements.



Our staff will be committed to assist the City at any moment. WSP has an excellent track record of handling public information and representing our clients at meetings with the community. The WSP team will lead the efforts for all public outreach. We understand public projects implementing improvements and enhancing corridors, impacts residents

and business. Our experienced staff will develop and provide presentation material, fact sheets and handouts to illustrate to the public the improvements proposed by the City and help in establishing a 2-way dialogue with the public.

To meet the requirements of the City, i.e. deliver each project with the utmost quality, a careful devised management plan for each project will be developed. Our plan includes the following steps:

1. Preliminary Scope Review with City PM
2. Design Task Assignment with scope development and approval by City PM
3. Team/Staff Assignment
4. Develop Schedule/Deliverables
5. Data Collection/ Field Analysis Phase
6. Design/Study Phase
7. Plans/Report Development
8. Permitting Phase

Throughout all phases of this project the Team will communicate and coordinate with the City to successfully accomplish project objectives. Briefing them on the work effort, methodology, findings and recommendations prior to delivery of documents will be critical. In addition, the team will meet with permitting agencies and stake holders to facilitate expeditious project review and delivery.

Approach to Cost, Schedule, Quality Control

Realizing that **cost control** is crucial in developing responsive engineering solutions, WSP developed an internal Project Control and Reporting System that will be used for this contract. This system permits a project manager to readily access up-to-date information relevant to a particular task assignment. For this work, Ms. Nunez will utilize this cost management system to maintain tight control of task assignment budgets. Estimates will be developed at all phases of the project to ensure project stays within allocated budget.

The WSP Team recognizes the project schedule as the essential tool to exert control over the project budget and to properly manage the overall activities of the contract. The activities listed on the schedule will be broken down by task to a level of detail sufficient to establish deliverable and permitting requirements, and to determine the progress of the project. Once the schedule is accepted by the City, it will be used for continuous monitoring by our project manager. Task progress will be tracked weekly to ensure the proper allocation of team resources are assigned to meet the project milestones. Our PM will discuss with the City's project manager the work to be performed, including corrective action of any item of work falling behind schedule. The firm has experienced schedulers familiar with various computer programs including Microsoft Project and Primavera.

It is essential that the City's personnel have confidence in the quality of our work. We are committed to producing quality work products that are both safe for the public and free of errors that lead to construction claims. This commitment demands that our work products go through a rigorous five-part quality control (QC) process as illustrated in the figure to the right.

WSP has been ISO 9001 certified since 2008. This highly respected certification for quality is a testament to our commitment to having the most stringent and effective quality procedures in the industry. To maintain this certification, outside auditors annually audit every phase of our local operation to verify compliance with our Quality System. During these external audits, the auditors randomly select several of our projects for auditing. Project managers are responsible for making sure that documentation verifying adherence to the project's quality control/quality assurance (QC/QA) Plan is kept in the project files.

Keeping with this ISO certification, WSP has developed a QC procedure that all projects follow. This procedure is a systematic process that every work product undergoes prior to submission to the client. Reviews are always performed by experienced engineers who were not actively involved in the preparation of the deliverable. WSP believes that interdisciplinary, constructability and biddability reviews are critical components of the design QC process. These additional reviews ensure that construction claims do not occur due to plan component inconsistencies, unconstructible details, or ambiguous plan notes.

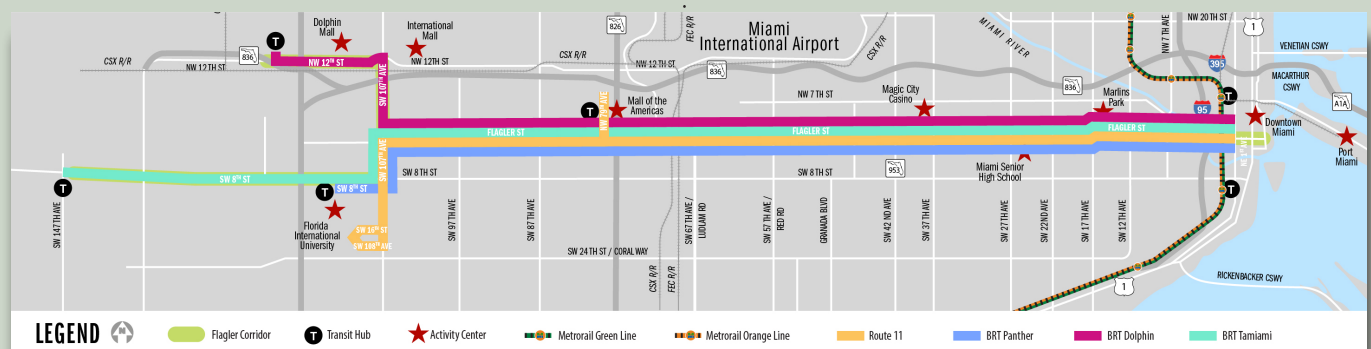
Our Planners and Traffic Engineers have successfully delivered similar projects with significant community involvement that have been delivered on schedule and within the allotted project budget. These assignments include, but are not limited to,

The Flagler Street (PD&E) Study Miami-Dade county, Florida

The study evaluates the implementation of a cost-effective, high-ridership premium transit system and other congestion management strategies within the SR 968/Flagler Street/SW 1st Street Corridor that is to be part of an overall interconnected premium transit network. As a part of the study, WSP is currently developing and evaluating various **multimodal** alternatives. Traffic operational analysis for existing conditions was performed using methodologies outlined in the 2010 Highway Capacity Manual (HCM). **Capacity analysis** was performed for the arterial segments and signalized intersections within the study area to determine travel delays, queue lengths and **Level of Service (LOS)**. The arterial and intersection analysis were performed using Synchro and detailed peak period traffic and transit operational analysis microsimulation modeling was performed using VISSIM.

Pedestrian High Crash Corridor Analysis Miami-Dade County, Florida

WSP, as part of the Districtwide Traffic Operations contract with FDOT, performed an analysis of pedestrian crash data along six corridors in Miami-Dade County. The analysis consisted of identifying trends in the reported crashes, conducting in-depth field reviews, determining the potential cause of the crashes, and developing recommendations for improving pedestrian safety along the corridors analyzed.



SR 976/SW 40 Street/Bird Road Corridor Study Miami-Dade County, Florida

The Florida Department of Transportation (FDOT) is conducting a corridor study along SR 976/SW 40 Street/ Bird Road from Homestead Extension of Florida's Turnpike (HEFT) to SR 5/US 1/South Dixie Highway. The study corridor includes City of Miami, City of Coral Gables, City of South Miami, and unincorporated areas of Miami-Dade County, providing a connection to employment centers as well as to SR 821/HEFT, SR 826/ Palmetto Expressway, and SR 5/US 1. FDOT initiated this planning study in September 2016 to evaluate multimodal connectivity, livability and complete streets concepts to support the long-term vision of transforming this corridor into an economically vibrant and livable corridor that provides for a mix of uses served by a variety of transportation modes. The corridor study objectives include: evaluating existing transportation conditions; identifying recurring congestion locations, operational deficiencies and safety issues; developing future traffic volume and transit ridership forecasts; address existing and future mobility needs; developing prioritized recommendations for multimodal transportation improvements and analyses. WSP is assisting FDOT District 6 with performing engineering analysis, travel demand modeling, traffic and transit ridership forecasts and developing an action plan that includes a prioritized list of short term multimodal improvements that can go directly into design and long term multimodal improvements that can be programmed into the next phase of the transportation development process.

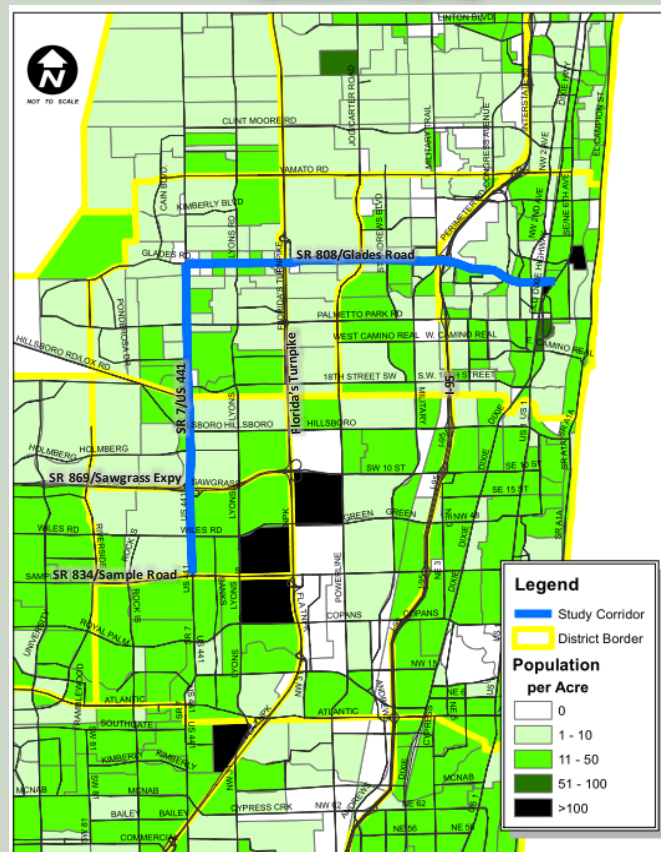
Transportation Traffic Engineering Services General Consultant, FDOT District Six Miami-Dade County, Florida

As a part of this contract, WSP performed several tasks ranging from **safety to warrant analyses**. Most the tasks consisted of performing qualitative assessments of intersections, which included crash analyses. The **crash analyses** consist of sorting crash data by type and number of accidents, calculating safety ratios, performing field observations, identifying the causes of accidents, determining the economic impacts and developing solutions to improve conditions at a location.

SR 7/U.S. 441 Project Development and Environment (PD&E) Study, Florida Department of Transportation Broward County, Florida

The scope of work for this project included the preparation of various analysis and reports including corridor validation, travel market analysis, baseline alternative development and **travel demand forecast** reports. WSP's travel demand services were also extended to cover the connecting Glades Road Corridor and provide the necessary forecast and design hour volumes to the consultant performing the PD&E study on that corridor. The project also included **traffic operational analysis** from development of design hour volumes to VISSIM operational analysis including calibration of existing conditions and development of measures of effectiveness for the future year analyses and alternatives.

Population Density Map



SUSTAINABLE DESIGN

Sustainability - Our engineers will work closely with the City to develop projects that promote sustainable design elements, such as protecting stormwater quality and preserving the landscape and natural elements along corridors. Our Project Manager has worked on various projects that have included sustainable design elements. For example, at the Town of Miami Lakes, Ms. Nunez worked closely with the Town Manager in developing a project that included retrofitting the Town's street lights to LED. While working at the City of Miami, Ms. Nunez was the Project Manager for the Coconut Grove Streetscape project. This project included tree pits with an adapave system. The adapave uses recycled material and provides a porous surface allowing the tree roots access to both air and water. At the same time the surface is walkable. Other projects in the City include roadway projects that included permeable pavement. The new material was used on parking lanes and driveways.

Our team includes landscape architects, lighting engineering and drainage engineers who are extremely eager to be part of the successful implementation of sustainable design elements on City projects.

EXAMPLES OF SUSTAINABLE DESIGN ELEMENTS

- Rain Gardens and Bio Swales for stormwater treatment
- Permeable Paving
- Drought-resistant non-invasive Landscaping
- Adding New Tree Canopy
- LED Lighting to increase energy efficiency and reduce light pollution
- Using Recycled Materials
- Solar Lighting

INNOVATIVE TRAFFIC CALMING

We understand that as part of this contract, traffic calming initiatives are key design elements the City is seeking to implement. There are different types of traffic calming measures used that improve safety for motorists, pedestrians and cyclists. Some of these measures include speed humps, bulb-outs, curb extensions, lane narrowing and visual reinforcement. Cities similar to Coral Gables have already begun to implement new, innovative traffic calming measures such as illuminated warning signs and illuminated LED RPMs throughout their cities.

Ms. Nunez has been part of these initiatives for a number of municipalities in Miami-Dade County. She managed and developed many roadway projects which included traffic circles, speed humps and speed tables



Tree pits with an adapave system

throughout the City of Miami in the Shenandoah and Flagami neighborhoods. Extensive coordination was conducted with City staff, HOAs and County's Traffic Division Staff in implementing these improvements. Meetings were held with residents and ballots obtained to warrant the installation of the traffic circles. Designs of some of the traffic circles were modified to provide tighter curves, narrow pavement widths and larger decorative landscape areas.



Flagami neighborhood traffic circle implemented to reduce traffic flow.



Other projects, such as **NW 14th Street in the Health District** included narrower pavement widths and larger sidewalk widths to accommodate the volume of pedestrian traffic. At the Town of Miami Lakes, Ms. Nunez collaborated closely with various vendors offering new and unique solutions to pilot new technologies. These included the development of signing and pavement marking plans for the intersection of NW 154th Street and Miami Lakeway North using new LED RPM's. Many accidents had occurred at this location and many residents raised their concerns. The new LED RPMs would increase the visibility of the intersection and improve the safety of the intersection approaches at night. The LED RPMs have also been used at crosswalks where visibility is low to improve pedestrian, bicycle and others crossing the intersection at night.

Additional projects which included traffic calming initiatives



within the Town of Miami Lakes that Ms. Nunez worked on included paver crosswalks at each entrance to residential streets from major corridors. The unique pattern and color treatment on the crosswalks were used to emphasize pedestrian presence and alert drivers to expect crossing pedestrians. Electronic (solar) speed signs were installed along NW 87th Ave to slow cars down by making drivers aware when they are driving at speeds above the posted speed limits. These measures are samples of



traffic calming initiatives used in cities that have improved and enhanced the safety for both drivers and pedestrians who live and use the corridors.

WORKLOAD

The key staff proposed for this contract were selected based on their experience, knowledge, and workload to ensure they can deliver the required services to the City. Additionally, WSP will allocate and maintain “reserve workload capacity” for this contract always. This reserve capacity ensures we always have sufficient resources available to support the City. We offer to the City our commitment to remain focused on providing you the highest quality and most cost-effective services available. We believe that our past performance offers proof to back up our claim. Our experienced Team is led by a South Florida-based Project Manager and is comprised of staff who has worked together on other projects. Our extensive planning, design and construction staff will be available daily to complete each assignment to handle all the scope of services required for this contract. To render critical survey, geotechnical, and landscape services necessary for this contract, our Team includes familiar, highly qualified sub-consultants experienced in municipal work and capable of providing these services. A list of our key staff and availability for this contract is provided on the following page.



Key Staff for Contract	Firm	Role	Percent Availability
Elia Nuñez	WSP USA Inc.	Project Manager	75%
Shriram Ramaratnam	WSP USA Inc.	Deputy Project Manager	75%
Marie-Elsie Dowell	WSP USA Inc.	Principal-in-Charge	30%
Charles Hart	WSP USA Inc.	Traffic Engineering	50%
Somaye Fakharian-Qom	WSP USA Inc.	Traffic Engineering	30%
Shruti Tekale	WSP USA Inc.	Traffic Engineering	30%
Andres Cardona	WSP USA Inc.	Drainage Design	50%
Mauricio Paredes	WSP USA Inc.	Drainage Design	50%
John Lafferty	WSP USA Inc.	Transportation/Mobility Planning	35%
Thomas Rodrigues	WSP USA Inc.	Transportation/Mobility Planning & GIS	75%
Michelle Kendall	WSP USA Inc.	Complete Streets	50%
Laura Minns	WSP USA Inc.	Complete Streets	75%
Amanda Kreiling	WSP USA Inc.	Signalization Design	75%
Burak Konuk	WSP USA Inc.	Signalization Design	75%
Yamila Hernandez	WSP USA Inc.	Maint. of Traffic/Traffic Control	50%
Dayami Cruz	WSP USA Inc.	Maint. of Traffic/Traffic Control	75%
Zachary Parnas	WSP USA Inc.	GIS	30%
Isabella Remolina	WSP USA Inc.	GIS	75%
Cecilia Villoria	WSP USA Inc.	Roadway Design	30%
Carlos Benavides	WSP USA Inc.	Roadway Design	50%
Eduardo Rodriguez	WSP USA Inc.	Construction Management/CEI	30%
Ron Fields	WSP USA Inc.	Construction Management/CEI	30%
Rosella Picado	WSP USA Inc.	Travel Demand Modelling	25%
Raghu Sidharthan	WSP USA Inc.	Travel Demand Modelling	25%
Emile Amedee	AMBRO Inc.	Drainage Design/Utility Coordination	50%
Frank Gonzalez	AMBRO Inc.	Lighting Design	25%
Fredrick Riviere	AMBRO Inc.	Utility Coordination	25%
Leticia Fernandez-Beraud	Fernandez-Beraud, Inc.	Landscape Design	60%
M. Christopher Alonso	Fernandez-Beraud, Inc.	Landscape Design	60%
Daniel Checchia	Keith and Associates, Inc.	Survey	50%
Timothy H. Gray	Keith and Associates, Inc.	Survey	50%
Juan Villegas	Professional Service Industries, Inc.	Geotechnical Services	25%
Carlos Duque	Professional Service Industries, Inc.	Geotechnical Services	25%
Juan Calderon	CALTRAN Engineering Group, Inc.	Traffic Data Collection	60%
Carlos Perez	CALTRAN Engineering Group, Inc.	Traffic Data Collection	60%



PROJECT DELIVERY

WSP meets project completion date requirements. WSP considers itself foremost a project management organization. Our goals are simple, deliver on time, deliver within budget, and deliver a quality product that satisfies the client. To achieve these goals takes considerable communication skills. And communication is the root of our success. Communication in the initiation phase between the client and WSP. This will make certain both parties share an understanding of the project expectations and goals and how to ensure best consultant service value. We will identify key project elements that will affect the project and outcome, including stakeholders, potential obstacles, risk factors, project milestones, and schedule expectations. We will translate this information into a logical scope of work and work breakdown structure (WBS) with associated task. From the WBS information, we will develop a comprehensive and realistic project schedule incorporating the identified milestones and critical path elements. These schedule elements will be clearly communicated with the client and other project team members to ensure projects get delivered on time.

We appreciate your consideration and look forward to the opportunity to fully expand on our qualifications and further discuss our understanding of the project.



CORAL GABLES
THE CITY BEAUTIFUL

Multimodal Transportation Planning and Engineering Consulting Services

SECTION V Local Office in Miami-Dade County



wsp



OFFICE LOCATION IN MIAMI-DADE COUNTY

WSP's Miami office is home to more 70 design, planning, construction management, and support personnel. The core senior personnel in this office have worked together for over 10 years. As its substantial resources may suggest, during this time frame, WSP, formerly known as Parsons Brinckerhoff, has gained local recognition and acceptance as one of the premier consultant practices in the South Florida Area. Our firm is currently working on some of the more technically challenging and highly visible transportation projects in the area.

Our office is located at 7650 Corporate Center Drive in Miami, Florida and enables us to timely respond to all of our Florida clients. Other full-service production offices in Orlando and Tampa can assist if needed. All of our offices are interconnected by our wide area network, for fast transfer of information providing seamless coordination and communication among all of our staff worldwide.

003421

Local Business Tax Receipt

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

LBT

6714001

BUSINESS NAME/LOCATION PARSONS BRINCKERHOFF INC 7650 NW 19 ST #300 MIAMI FL 33126	RECEIPT NO. RENEWAL 6987334	EXPIRES SEPTEMBER 30, 2017 <small>Must be displayed at place of business Pursuant to County Code Chapter 8A - Art. 9 & 10</small>
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OWNER PARSONS BRINCKERHOFF INC Employee(s) 10	SEC. TYPE OF BUSINESS 212 P.A./CORP/PARTNERSHIP/FIRM EB1462	PAYMENT RECEIVED BY TAX COLLECTOR \$75.00 08/30/2016 CHECK21-16-117064
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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



CORAL GABLES
THE CITY BEAUTIFUL

Multimodal Transportation Planning and Engineering Consulting Services

SECTION VI Local Office in the City of Coral Gables



wsp



OFFICE LOCATION IN THE CITY OF CORAL GABLES

WSP USA Inc. does not have an office in the City of Coral Gables. However, our Miami office is located less than 15 minutes from the City which allows us to be able to respond to the City's needs at a moment's notice.



7650 Corporate Center Drive
Suite 300
Miami, Florida 33126

wsp.com