

# Memorandum



Date: May 16, 2019

To: Gary Hartfield, Division Director  
Small Business Development  
Internal Services Department

From: Albert A. Hernandez, P.E., Assistant Director  
Engineering, Planning and Development  
Department of Transportation and Public Works

A handwritten signature in blue ink, appearing to be "AAH", is written over the "From:" field.

Subject: Project No: CIP155  
ISD Project No: DB19-DTPW-01  
Project Name: Design-Build Services – South Corridor (South-Dade Transitway)  
Rapid Transit Project  
FCSC: 8.23  
Description: Upcoming Solicitation for Design-Build services with DBE Goals  
Contract Number: CIP155-DTPW19-DB

---

The Department of Transportation and Public Works (DTPW) is forwarding this memorandum to the Miami-Dade County (County) Internal Services Department's (ISD) Division of Small Business Development (SBD) for informational purposes regarding the referenced local, state and federally funded project. The DTPW's Office of Civil Rights (OCR) has analyzed the Department's workload based on anticipated projects' scope of work, cost estimate, and technical certifications. As a result, the OCR has assigned a race-conscious Disadvantaged Business Enterprise (DBE) Goal of 24 percent to be applied to the construction portion of the Project and a DBE goal of five percent to be applied to the architectural and engineering portion of the Project.

### **Scope of Services**

DTPW has a need to establish Design-Build Services for the South Corridor (South-Dade Transitway) Rapid Transit Project.

The proposed Project is to be developed entirely within the existing public right-of-way generally defined by the existing South-Dade Transitway corridor between the Dadeland South Metrorail Station and SW 344th Street in Florida City (approximately 20 miles), including adjoining stations. The Project will include 14 new Bus Rapid Transit (BRT) stations at existing station locations, demolition of existing stations and ancillary structures, rehabilitation of approximately 16 existing Transitway stations that will remain in place, and accommodation of at-grade BRT vehicles. The Project is targeting Envision Silver Certification by incorporating sustainability into the design and construction of the Transitway infrastructure. In addition, the Project shall also consider the impact of sea level rise during design and construction in accordance with County requirements. The Project scope is a full "Design-Build" delivery approach that consists of and includes the design, permitting, construction and commissioning of the Project.

As part of the Project, the Florida Department Of Transportation (FDOT) will require coordination during design and construction for the following FDOT projects:

- FM 439913-1-52-01 Safety Improvement Project along SR 5/US 1 from 1000-ft south of the SW 112th Ave. Intersection to 1370-ft north of the SW 112th Ave. Intersection. This project has an anticipated Letting Date of January 2021.
- FM 439986-1-52-01 Safety Improvement Project along SR 5/US 1 from Bailes Road to SW 214th Street. This project has an anticipated Letting Date of July 2020.

- FM 405575-6-52-01 Safety Improvement Project along SR 998/SW 312th Street/Campbell Drive from Sr 997/Krome Avenue to SR 5/US 1 (Truck By Pass).

The Project scope will also include the design and construction of the following FDOT projects:

- FM 439984-1-52-01 Safety Improvement Project at the intersection of SR 5/US 1 and SW 136th Street. This project scope includes the installation of two new mast arms at the southwest and northeast corners of the intersection including new signal foundation, new signal heads, and new pedestrian push-buttons. The installation of a signal head on mast arm upright at the southeast corner of the intersection, the installation of back-plates and an additional signal head on northbound and southbound approaches, and the installation of a new pedestrian push-button pedestal at the northeast corner. This project will require Right of Way Certification. At the Southwest quadrant, an Access Permit Agreement will be required with the DTPW. At the Northeast quadrant Private Owner Acquisition required.
- FM 429341-2-52-01 Safety Improvement Project along SR 995 / Quail Roost Drive from the South Miami-Dade Busway to SR 5/US 1 from approximately Station 519+00.00 to Station 523+49.00. This FDOT project scope includes the installation of pedestrian signals and detectors on new pedestal in all four quadrants of the SR 994 (Quail Roost Dr.) and the South Miami-Dade Busway intersection, as well as the removal of all existing pedestrian signals and detectors located on existing mast-arms. The project will include the installation of a new video detection system and connection of video cables to the cabinet through the interconnect pull box, the installation of a new pull box and the adjustment of the County's Information Technology Department's pull box. Additionally, it will include milling and resurfacing of the existing roadway pavement, the reconstruction of the 6" concrete sidewalk in the northwest and southwest quadrants, the installation of curb and gutter in the northwest quadrant, the update of intersection pavement markings (i.e. crosswalks, stop bars, island chevrons) and the update of intersections signs.

### **Cost Estimate**

The total estimated fee for design-build services is \$259,552,296.96, which includes a 10% Contingency Allowance in accordance with Section 2-8.1 of the Miami Dade County Code (\$22,869,786.30), a dedicated allowance for Art in Public Places (\$1,469,050.62) and a dedicated allowance for permits (\$6,515,597.04).

The design-build team must be certified in the technical categories listed below. The Architectural and Engineering section of ISD reviewed the technical certifications and provided concurrence.

<b><u>TYPE</u></b>	<b><u>CODE</u></b>	<b><u>DESCRIPTION</u></b>
LEAD A/E	2.01	Mass Transit Systems – Mass Transit Program (Systems) Management
LEAD A/E	14.00	Architecture
LEAD A/E	16.00	General Civil Engineering

<u>TYPE</u>	<u>CODE</u>	<u>DESCRIPTION</u>
LEAD A/E	17.00	Engineering Construction Management
OTHER	2.04	Mass Transit Systems – Mass Transit Controls, Communications and Information Systems
OTHER	2.05	Mass Transit Systems – General Quality Engineering
OTHER	2.06	Mass Transit Systems – Mass Transit Safety Certification for System Elements
OTHER	3.01	Highway Systems – Site Development and Parking Lot Design
OTHER	3.02B	Highway Systems – Minor Highway Design
OTHER	3.03	Highway Systems – Bridge Design
OTHER	3.04	Highway Systems – Traffic Engineering Studies
OTHER	3.07	Highway Systems – Traffic Signal Timing
OTHER	3.08	Highway Systems – Intelligent Transportation System Analysis, Design, and Implementation
OTHER	3.09	Highway Systems – Signing, Pavement Marking, and Channelization
OTHER	3.10	Highway Systems – Lighting
OTHER	3.11	Highway Systems - Signalization
OTHER	8.00	Telecommunications
OTHER	9.01	Soils, Foundations and Materials Testing – Drilling, Subsurface Investigations and Seismographic Services
OTHER	9.02	Soils, Foundations and Materials Testing – Geotechnical and Materials Engineering Services
OTHER	9.03	Soils, Foundations and Materials Testing – Concrete and Asphalt Testing Services
OTHER	9.04	Soils, Foundations and Materials Testing – Non-Destructive Testing and Inspections
OTHER	10.01	Environmental Engineering – Stormwater Drainage Design Engineering Services
LEAD A/E	10.05	Environmental Engineering – Contamination Assessment and Monitoring
LEAD A/E	11.00	General Structural Engineering
LEAD A/E	12.00	General Mechanical Engineering

<u>TYPE</u>	<u>CODE</u>	<u>DESCRIPTION</u>
LEAD A/E	13.00	General Electrical Engineering
OTHER	15.01	Surveying and Mapping – Land Surveying
OTHER	15.03	Surveying and Mapping – Underground Utility Location
OTHER	18.00	Architectural Construction Management
OTHER	20.00	Landscape Architecture
OTHER	22.00	ADA Title II Consultant

**FDOT PREQUALIFICATIONS**

<u>TYPE</u>	<u>CODE</u>	<u>DESCRIPTION</u>
OTHER	3.1	Minor Highway Design
OTHER	3.2	Major Highway Design
OTHER	4.1.1	Miscellaneous Structures
OTHER	4.1.2	Minor Bridge Design
OTHER	6.1	Traffic Engineering Studies
OTHER	6.2	Traffic Signal Timing
OTHER	6.3	Intelligent Transportation Systems Analysis, Design, and Implementation
OTHER	7.1	Signing, Pavement Marking, and Channelization
OTHER	7.2	Lighting
OTHER	7.3	Signalization
OTHER	8.1	Control Surveying
OTHER	8.2	Design, Right of Way, and Construction Surveying
OTHER	8.3	Photogrammetric Mapping
OTHER	8.4	Right of Way Mapping
OTHER	9.1	Soil Exploration
OTHER	9.2	Geotechnical Classification Lab Testing
OTHER	9.3	Highway Materials Testing

**FDOT PREQUALIFICATIONS**

<u>TYPE</u>	<u>CODE</u>	<u>DESCRIPTION</u>
OTHER	9.4	Foundation Studies
OTHER	9.5	Geotechnical Specialty Lab Testing
OTHER	14.0	Architect
OTHER	15.0	Landscape Architect

Should you have any questions, or require additional information, please contact Leticia Smith, Chief, Contract Services Division, at (786) 469-5291 or [lcsmith@miamidade.gov](mailto:lcsmith@miamidade.gov).

cc: Pablo Valin, ISD  
Cristina Amores, ISD  
Laurie Johnson, SBD/ISD