


Date: February 23, 2023

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


From: Alfredo E. Muñoz, P.E.
Chief, Capital Improvements
Department of Transportation and Public Works

Subject: Notice of Consultant Services:
Project No. E23TP01, Contract No. CIP227A-DTPW22-CEI
Construction, Engineering and Inspection (CEI) Services for The South Dade Bus
Maintenance Facility

RECOMMENDATION

Department of Transportation and Public Works (DTPW) Capital Improvements staff completed the review of CEI Services project CIP227A-DTPW22-CEI in accordance with the applicable provisions of Implementing Order 3-22 and requested the review and approval from Small Business Division (SBD). Attached is the Project Measure Analysis and Recommendation along with other supporting documentation.

SCOPE OF WORK:

DTPW has a need to establish a non-exclusive Professional Services Agreement (PSA) to provide Construction, Engineering, and Inspection (CEI) services for contract administration, inspection, and materials sampling and testing in support of Project No. CIP227A-DTPW22-CT, South Dade Bus Maintenance Facility:

Brief Project Description:

- A two-story maintenance and operations facility with approximately 54,414 square feet for maintenance, parts storage, and support on the ground level and approximately 27,762 square feet for transportation (dispatch and driver areas) and training on the upper level.
- Bus parking for at least one hundred (100) articulated BEBs with an overhead inverted pantograph dispenser above each bus for charging the buses in an 8-hour period.
- A single level deck above the bus parking area for parking approximately 252 employee and visitor cars and supporting the charging cabinets and switchgear for the battery charging infrastructure.
- A pedestrian bridge between the employee/visitor parking deck and the transportation area on the upper level of the facility.
- A security/vault pull facility (approximately 1,575 square feet) located between the bus site entrance and the bus parking area.
- A security checkpoint (approximately 200 square feet) between the employee/visitor site entrance and the ramp to the deck above bus parking.

- A service island and detailed cleaning facility, including support spaces (approximately 10,700 square feet total) for interior cleaning and nightly servicing of vehicles.
- A wash facility (approximately 6,700 square feet) including an automatic drive through bus washer, water reclaim, and chassis wash for exterior cleaning of buses.
- A gate arm maintenance facility (approximately 6,000 square feet) and associated vehicle parking.
- The charging infrastructure required to fully charge up to 100 BEBs in an 8-hour period.
- Parking for approximately twenty (20) downline buses (waiting for maintenance) and approximately twenty-four (24) non-revenue vehicles (NRVs).
- The grading, paving, stormwater management, landscaping, site lighting, and security for the entire site.
- All utilities required for an operational facility. This includes coordination with Florida Power & Light to provide multiple feeds from different sub-stations to provide redundancy for the charging infrastructure.
- All furnishings and equipment required for a fully operational facility.
- All low voltage systems including fire alarm, closed-circuit television, security and access control, public address system, data, and information technology (IT) systems (not including hardware and software).

Engineer Project Total Cost Estimate
(Including Contingency): \$19,800,000.00
Funding Source: People's Transportation Plan (PTP)
SBE A/E Measure: 20%
CWP Goal: As applicable

Minimum Qualifications

The Prime Consultant should be able to demonstrate its competence through prior comparable project experience and is preferred to have completed at least two (2) projects in the last ten (10) years of similar scope and budget.

Participation Restrictions

Any firm or its sub-consultants that have previously performed any design or design management work that is in any way related to any work orders to be issued under the agreement resulting from the referenced solicitation shall be precluded from participating in this competitive process.

If any additional information is needed, please call me at (305) 375-2097, or Katherine Fernandez at (305) 375-2726.

AM/kf

C:	Laurie Johnson, ISD/SBD	File
	Alice Hidalgo-Gato, ISD/SBD	Katherine Fernandez, DTPW
	Jhonnatan Escalante, ISD/SBD	

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
CONTRACT / PROJECT MEASURE ANALYSIS AND RECOMMENDATION

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



From: Alfredo E. Munoz, P.E.
Chief, Capital Improvements Section
Department of Transportation and Public Works

Date: February 23, 2023

CONTRACT INFORMATION

DTPW Project No.: CIP227A-DTPW22-CEI

ISD Project No.: E23TP01

Project Title: Construction, Engineering and Inspection (CEI) Services for The South Dade Bus Maintenance Facility

Re-submittal: Yes

No

Estimated Project Total Cost

(including Contingency): \$ 19,800,000.00

Funding Source: People's Transportation Plan (PTP)

PROJECT INFORMATION

Scope of Work

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- Bus parking for at least one hundred (100) articulated BEBs with an overhead inverted pantograph dispenser above each bus for charging the buses in an 8-hour period.
- A single level deck above the bus parking area for parking approximately 252 employee and visitor cars and supporting the charging cabinets and switchgear for the battery charging infrastructure.
- A pedestrian bridge between the employee/visitor parking deck and the transportation area on the upper level of the facility.
- A security/vault pull facility (approximately 1,575 square feet) located between the bus site entrance and the bus parking area.
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- The grading, paving, stormwater management, landscaping, site lighting, and security for the entire site.
- All utilities required for an operational facility. This includes coordination with Florida Power & Light to provide multiple feeds from different sub-stations to provide redundancy for the charging infrastructure.
- All furnishings and equipment required for a fully operational facility.
- All low voltage systems including fire alarm, closed-circuit television, security and access control, public address system, data, and information technology (IT) systems (not including hardware and software).

A/E Consultant Selection: Technical Certification Categories:

CEI Services for The South Dade Bus Maintenance Facility

Type	Code	Description	Percentage (%)	Amount
Prime	17.00	Engineering Construction Management	30%	\$5,940,000.00
Prime	16.00	General Civil Engineering	10%	\$1,980,000.00
Prime	11.00	General Structural Engineering	15%	\$2,970,000.00
Other	2.04	Mass Transit Systems - Mass Transit Controls, Communications, and Information Systems	3%	\$594,000.00
Other	2.06	Mass Transit Systems - Mass Transit Safety Certification for System Elements	2%	\$396,000.00

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