

SBD - CM Review Form

To:	Project Review and Analysis - A&E		
From:	SBD Construction Project Manager - Andrew Burgess		
Department:	Department of Transportation and Public Works DTPW	Contact:	Alfredo Munoz Chief, Capital Improvements
Date:	1/31/2023	Resubmittal:	

PROJECT NUMBER:	E22-DTPW-04
CONTRACT NO.:	CIP227A-DTPW22-CEI
PROJECT TITLE:	Construction, Engineering and Inspection (CEI) Services for The South Dade Bus Maintenance Facility
PROJECT LOCATION:	South Dade Bus Maintenance Facility

SCOPE OF WORK/DESCRIPTION: 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. CIP227REV1, 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).

SPECIAL REQUIREMENTS:

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.

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.

CATEGORIES	PERCENTAGE	AMOUNT	COMMENTS
			PRIME
TC 11.00 General Structural Engineering	15.00%	\$2,025,000.00	No opportunities for Small Business opportunities.
TC 16.00 General Civil Engineering	10.00%	\$1,350,000.00	
TC 17.00 Engineering Construction Management	32.00%	\$4,320,000.00	

Initial:

			SUB-CONSULTANT
TC 2.04 Mass Transit Controls, Communications, and Information Systems	3.00%	\$405,000.00	Possible Small Business Opportunities.
TC 2.06 Mass Transit Safety Certification for System Elements	2.00%	\$270,000.00	
TC 6.00 Water and Sanitary Sewer Systems	5.00%	\$675,000.00	
TC 9.00 Soils, Foundations and Materials Testing Services	2.00%	\$270,000.00	
TC 10.01 Stormwater Drainage Design Engineering Services	1.00%	\$135,000.00	
TC 10.05 Contamination Assessment & Monitoring	1.00%	\$135,000.00	
TC 12.00 General Mechanical Engineering	7.00%	\$945,000.00	
TC 13.00 General Electrical Engineering	15.00%	\$2,025,000.00	
TC 14.00 Architecture	3.00%	\$405,000.00	
TC 15.00 Surveying & Mapping	2.00%	\$270,000.00	
TC 19.00 Value Analysis and Life Cycle Costing	1.00%	\$135,000.00	
TC 26.00 Claim Analysis Services	1.00%	\$135,000.00	
Total Estimated Professional Fees	100.00%	\$13,500,000.00	

Small Business Development CM Signature:  Date:

1/31/2023

*Prime/Sub-Consultants identified for possible opportunities by SBD A/E

DTPW is recommending **10.00%** SBE A&E Goal

Initial: 

Date: 1/31/2023