

Memorandum



Date: January 13, 2015,

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

Thru: Albert A. Hernandez, P.E., Assistant Director
Engineering, Planning and Development
Miami-Dade Transit

From: Jesus Valderrama, Chief *JVH*
Transit Contract Services
Miami-Dade Transit

Subject: Project No: CIP097
ISD Project No: E14-MDT-01
Project Name: SR836 Express Bus Service – Park & Ride/Bus Terminal
FCSC: 8:23
Description: Upcoming Solicitation for A&E services with DBE Goals
Contract Number: CIP097-CT1-TR14

Miami-Dade Transit (MDT) is forwarding this memorandum to the Miami-Dade Internal Services Department /Small Business Development (SBD's) for informational purposes regarding the referenced Federal Transit Administration (FTA)-funded project. As a result of MDT's Office of Civil Rights (OCR) detailed analysis of the project based on the scope of work, cost estimate (attached) and technical certifications, a 10% Disadvantaged Business Enterprise (DBE) Goal has been assigned by OCR for this project.

Scope of Services

Miami-Dade Transit (MDT) is seeking Preliminary Engineering (PE) and Final Design (FD) services for the preparation of a complete set of contract documents for the construction and implementation of the State Road 836 (SR-836) Express Bus Service – Park & Ride /Bus Terminal project. The design shall be consistent with the Federal Transit Administration (FTA) approved SR-836 Express Bus Service Categorical Exclusion document, supporting study documents and preliminary terminal concepts prepared by MDT. Also, any studies related to this project prepared by the Metropolitan Planning Organization (MPO) and Florida Department of Transportation (FDOT).

Elements of the work include, but are not limited to, the Park-and-Ride/Transit Terminal Facilities at SW 8th Street and 147th Avenue, a new multimodal bus terminal at Florida International University (FIU), located approximately at SW 8th Street and SW 112th Avenue; road improvements (including sidewalks, crossings, ramps, signals, and other features related to the safe movement of pedestrians); transit preferential treatments, including transit signal priority; queue-jump and by-pass lanes design and/or operations; signing and pavement markings; signalization; traffic studies, simulations and signal warrant analysis; soils and subsurface investigation; surveying services; drainage; lighting; utility coordination/relocation; landscaping; maintenance of traffic (design a safe and effective Traffic Control

Plan to move vehicular and pedestrian traffic during all phases of construction); define environmental site assessment issues; conduct close coordination with the Department of Regulatory and Economic Resources (RER)-Environmental Resource Management division to obtain environmental permits; prepare environmental wetland mitigation plans; obtain required site plan environmental clearances, as required; address Americans with Disabilities Act (ADA) requirements and regulations and all necessary incidental items for a complete project. If required, the scope of work will also include right-of-way engineering, including but not limited to ordering title search reports, land boundary determination for parcel acquisitions either in fee or easement, performing appraisal reports and business/residential relocation support.

The contract will contain the following options: Dolphin Station Planning and Design Services (if selected, may be exercised during negotiation or via supplemental agreement); Design Services during construction; and Construction, Engineering and Inspection Services (to be negotiated, as required, via supplemental agreement).

The total estimated fee for Preliminary Engineering Services is \$366,000, Final Design Services is \$732,000, Environmental Site Assessment \$60,000 for a total base estimated fee of \$1,158,000.00. Contract Options: 1- Dolphin Station Planning and Design services \$1,300,000 (if selected, may be exercised during negotiation), 2- Post Design Services \$366,000, 3 - CE&I services \$640,600 (to be negotiated as required via supplemental agreement).

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

<u>TYPE</u>	<u>CODE</u>	<u>DESCRIPTION</u>
Prime	16.00	GENERAL CIVIL ENGINEERING (PRIME)
Other	1.02	TRANSPORTATION PLANNING - MASS AND RAPID TRANSIT PLANNING
Other	2.04	MASS TRANSIT CONTROLS, COMMUNICATIONS & INFORMATION SYSTEMS
Other	2.05	GENERAL QUALITY ENGINEERING
Other	3.01	HIGHWAY SYSTEMS - SITE DEVELOPMENT AND PARKING LOT DESIGN
Other	3.02	HIGHWAY SYSTEMS - HIGHWAY DESIGN
Other	3.04	HIGHWAY SYSTEMS - TRAFFIC ENGINEERING STUDIES
Other	3.05	HIGHWAY SYSTEMS - TRAFFIC COUNTS

- Other 3.07 HIGHWAY SYSTEMS - TRAFFIC SIGNAL TIMING
- Other 3.08 HIGHWAY SYSTEMS - INTELLIGENT TRANSPORTATION SYSTEMS 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 6.01 WATER AND SANITARY SEWER SYSTEMS - WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS
- Other 9.01 DRILLING SUBSURFACE INVESTIGATIONS AND SEISMOGRAPHIC SERVICES
- Other 9.02 SOILS, FOUNDATIONS AND MATERIALS TESTING - GEOTECHNICAL AND MATERIALS ENGINEERING SERVICES
- Other 9.03 CONCRETE AND ASPHALT TESTING SERVICES
- Other 10.01 ENVIRONMENTAL ENGINEERING - STORMWATER DRAINAGE DESIGN ENGINEERING SERVICES
- Other 10.05 CONTAMINATION ASSESSMENT AND MONITORING
- Other 10.06 REMEDIAL ACTION PLAN DESIGN
- Other 10.07 REMEDIAL ACTION PLAN IMPLEMENTATION OPERATION/MAINTENANCE
- Other 11.00 GENERAL STRUCTURAL ENGINEERING
- Other 12.00 GENERAL MECHANICAL ENGINEERING
- Other 13.00 GENERAL ELECTRICAL ENGINEERING
- Other 14.00 ARCHITECTURE
- Other 15.01 SURVEYING AND MAPPING - LAND SURVEYING
- Other 15.03 UNDERGROUND UTILITY LOCATION
- Other 17.00 ENGINEERING CONSTRUCTION MANAGEMENT
- Other 20.00 LANDSCAPE ARCHITECTURE
- Other 21.00 LAND USE PLANNING

Gary Hartfield, Acting Division Director
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January 13, 2013
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Should you require additional information, please contact Jesus Valderrama, Chief, Transit Contract Services, at (786) 469-5291.

c: Faith Samuels, SBD/ISD
Laurie Johnson, SBD/ISD
Vivian Walters, SBD/ISD

Attachment: Project Cost Estimate

**Order-of-Magnitude Budget Estimate for the
Site Work, Park & Ride Facility and Bus Terminal Contract for
SR 836 Expressway Enhanced Bus Service Project**
Date Prepared on January 2, 2014

SR 836 Expressway EBS (Site Work and Park & Ride Facility)

				Amount	Revised on 30-Dec-13
1. Construction Costs				\$9,151,634	\$9,151,634
a.	Full Station (4 Station @ of \$133,920)	11	\$133,920	\$1,473,120	
b.	Queue Jumps (3 Intersections @ of \$200,000)	3	\$200,000	\$600,000	
c.	P&R Facility and Bus Terminal @ SW 8th St. and SW 147th Avenue	1	\$4,078,514	\$4,078,514	
d.	Bus Terminal @ FIU and Roadways	1	\$3,000,000	\$3,000,000	
e.	Roadway Infrastructure Improvements at NW 215th Street Transit Terminal and Park and Ride	0	\$2,975,000	\$0	
2. ROW Acquisition (0 Stations @ \$180,000)				\$0	\$0
3. Utility Relocations				\$60,000	\$60,000
4. Art in Public Places				\$0	\$0
5. Professional Services Agreement for Site Work and Roadway Improvements				\$2,164,876	\$2,164,876
a.	Preliminary Engineering (3% of Construction Cost)	4%	\$366,065		
b.	Final Design (8% of Construction Cost)	8%	\$732,131		
c.	Environmental Site Assessment		\$60,000		
d.	R/W Engineering and support services for Acquisition (10% of R/W Cost)	0%	\$0		
e.	Post Design Services (3% of Construction Cost)	4%	\$366,065		
f.	Construction, Engineering & Inspection Services (5% of Construction Cost)	7%	\$640,614		
6. Project Management				\$1,098,196	\$366,065
a.	EP&D Project Management (8% of Construction Cost)	8%	\$732,131		
b.	Other MDT Project Management (4% of Construction Cost)	4%	\$366,065		
c.	Other County Department (e.g. PWWM) Project Management (4% of Construction Cost)	0%	\$0		
Sub-Total =				\$12,474,705	\$11,742,575
7. Project Contingency (20% of Sub-Total Cost)				\$2,494,941	\$587,129
TOTAL =				\$14,969,647	\$12,329,704
					\$2,639,943

NOTE: The sources of preparing the above Order-of-Magnitude Budget Estimates are as follows:

"Implementation Plan for Enhanced Bus Service Along Biscayne Boulevard"

Control Estimate for Professional Services Agreement for Site Work and Roadway Improvements		
a.	Preliminary Engineering (4% of Construction Cost)	4% \$366,065
b.	Final Design (8% of Construction Cost)	8% \$732,131
c.	Environmental Site Assessment	\$60,000
d.	Post Design Services (4% of Construction Cost)	4% \$366,065
e.	Construction, Engineering & Inspection Services (7% of Construction Cost)	7% \$640,614
		\$2,164,876

12-30-13 SR 836 EBS Budget, 1. Site Work and P&R 1-2-14