

Date: May 20, 2021

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

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

Subject: Notice of Design/Build Services:
DTPW Project No. 20210058
Roadway Improvements to Bay Vista Blvd. from NE 151
Street to Gwen Margolis Blvd
ISD Project No. DB21-DTPW-05

RECOMMENDATION

Department of Transportation and Public Works (DTPW) Capital Improvements staff completed the review of Design/Build Services project 20210058 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: The project consists of roadway improvements to Bay Vista Boulevard from NE 151 Street to Gwen Margolis Boulevard. Improvements include, but are not limited to, roadway widening from 4 lanes to 6 lanes from NE 151 St to NE 145 St, stormwater drainage system including overflow to bay, sidewalks, curb and gutter, signing and pavement markings, bike lanes, lighting, and potential wetland impacts and contamination.

As part of this contract the contractor shall construct a mid-block traffic signal in the vicinity of the cross walk (approximately Station 40+80) in front of Tracy and Alonzo Mourning High School. The work also includes but is not limited to providing all geotechnical, survey, and design services necessary to produce the required construction documents, engineering plans, temporary traffic control plans, project permitting, public involvement plan, and all project coordination, supervision, labor, materials, tools, and equipment needed for completing the Work in accordance with the Contract Documents.

Engineer Project Total
Cost Estimate
(Including Contingency):

SBE A/E Measure: 18.00%
SBE G/S Measure: Not Applicable
SBE Construction Measure: 9.27%
CWP Goal: As Applicable by SBD

BACKGROUND

Bay Vista Boulevard is a 4-lane divided roadway from NE 151st Street to North of Gwen Margolis Boulevard where it transitions to a two-way, two-lane roadway. A horizontal curve connects Bay Vista Boulevard with NE 151st Street maintaining the same lane configuration between the two roadways. The existing NE 151st Street from Biscayne Boulevard to Bay Vista Boulevard serves as the main entrance to educational institutions such as the Florida International University Biscayne Bay Campus, the David Lawrence Jr. K-8 School and the Alonzo & Tracy Mourning Senior High School. A feasibility study prepared in 2015 by R.J. Behar & Company, Inc. for DTPW along NE 151st Street from Biscayne Blvd. to Bay Vista Blvd. recommended to widen the segment from 4 to 6 lanes. The study took into consideration a Planning Study prepared by Kimley-Horn and Associates, Inc. for the Miami-Dade County MPO in 2011 which purpose was to evaluate the feasibility of adding another entrance to FIU's Biscayne Bay Campus concluding that the only feasible access improvement was to expand NE 151st Street from a 4-lane to a 6-lane roadway from Biscayne Boulevard to Bay Vista Boulevard. This project is an extension of the proposed improvements within these limits which includes, but are not limited to, widening Bay Vista Blvd. from 4 to 6 lanes, from NE 151st Street to NE 145th Street, and maintaining the existing lane configuration south of NE 145th Street. This corridor expansion would relieve the current traffic congestion and provide improved mobility for the planned enhancements to the Florida International University, anticipated growth of the other educational institutions along the route and the planned development of the Biscayne Landing Community.

If any additional information is required you may contact me at (305) 375-2097, or Katherine Fernandez at (305) 375-2726

AM/kf

Attachments (2)

C: Roxana Bayarre, P.E., DTPW
Alfredo E. Munoz, P.E., DTPW
Laurie Johnson, ISD
Katherine Fernandez, DTPW

Barbara S. Mesa, DTPW
Miguel Soria, P.E., DTPW
Alice Hidalgo-Gato, ISD
File

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: Thursday, May 20, 2021

CONTRACT INFORMATION

DTPW Project No.: 20210058

ISD Project No.: DB21-DTPW-05

Project Title: Roadway Improvements to Bay Vista Blvd. from NE 151 Street to Gwen Margolis Blvd

Re-submittal: No

Standard Industrial Code (SIC) / North American Industry Classification Code (NAICS): 1610 / 237310 - Construction – Highway, Street & Bridge Construction

Estimated Project Total Cost (including Contingency): \$ 5,860,791.45- Construction
\$ 468,863.32 - Design

Funding Source: Road Impact Fee (RIF)

Bonding Requirements: Bid Bond– 5% of base bid amount
Performance Bond- 100% of Contract Award Amount

PROJECT INFORMATION

Scope of Work

The project consists of roadway improvements to Bay Vista Boulevard from NE 151 Street to Gwen Margolis Boulevard. Improvements include, but are not limited to, roadway widening from 4 lanes to 6 lanes from NE 151 St to NE 145 St, stormwater drainage system including overflow to bay, sidewalks, curb and gutter, signing and pavement markings, bike lanes, lighting, and potential wetland impacts and contamination. As part of this contract the contractor shall construct a mid-block traffic signal in the vicinity of the cross walk (approximately Station 40+80) in front of Tracy and Alonzo Mourning High School. The work also includes but is not limited to providing all geotechnical, survey, and design services necessary to produce the required construction documents, engineering plans, temporary traffic control plans, project

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

permitting, public involvement plan, and all project coordination, supervision, labor, materials, tools, and equipment needed for completing the Work in accordance with the Contract Documents.

Design:

The sensitivity of the work area requires highly specialized consultants for the design phase of this project; therefore, DTPW only recommends the following certifications for SBE A/E goal: 3.10 and 3.11. See table below.

A/E Consultant Selection: Technical Certification Categories:

Roadway Improvements to Bay Vista Blvd. from NE 151 Street to Gwen Margolis Blvd				
3.02	Lead A/E	Major Highway Design	36.00%	
3.09	Lead A/E	Signing, Pavement Marking, and Channelization	4.00%	
10.01	Lead A/E	Stormwater Drainage Design Engineering Services	14.00%	
3.10	Sub	Lighting	10.00%	
3.11	Sub	Signalization	8.00%	
9.02	Sub	Geotechnical And Materials Engineering Services	4.00%	
9.03	Sub	Concrete and Asphalt Testing Services	2.00%	
10.05	Sub	Contamination Assessment and Monitoring	10.00%	
15.01	Sub	Land Surveying	7.00%	
15.02	Sub	Aerial Photogrammetry	1.00%	
20.00	Sub	Landscape Architecture	4.00%	
		Total of technical categories to be Sub	18.00%	

Required Contractor's Certification:

At the time of Bid and pursuant to the requirements of Section 10-3 of the Code of Miami-Dade County, Florida (the County), Florida and these Solicitation and Contract Documents, the Bidder must hold a valid, current, and active Certificate of Competency as a General Engineering Contractor or as a Specialty Engineering Contractor, commensurate to the requirements of the Scope of Work, in engineering crafts to include paving engineering work. The specialty contractor shall subcontract with a qualified contractor any work which is incidental to the specialty but is specified in the aforementioned Code as being the work of other than that of the Engineering specialty for which certified.

Pursuant to Section 255.20, Florida Statutes (F.S.) and in lieu of the above, the County may consider a bid from a Bidder that is a duly licensed contractor in good standing that has been pre-qualified and considered eligible by the Florida Department of Transportation (FDOT) under Section 337.14, F.S. and Chapter 14-2, Florida Administrative Code, to perform the work described in the contract documents. Contractors seeking consideration under this paragraph shall submit along with the bid documents for review and consideration, current copy(ies) of their FDOT Certificate(s) of Qualification, Certification of Work Underway, and status of Contracts on Hand. Acceptable FDOT qualification(s) necessary to perform the work specified in the project's scope of work shall include Flexible Paving and Drainage Work Classes.

Additional Information – Permits, Licenses, Certifications, and General Regulations

Permits that are issued by DTPW for construction within the public right-of-way, as well as additional permits, which may be required by other municipalities or agencies, including those required for tree removal, will be the responsibility of the Design - Builder.

RECOMMENDATION

DTPWM Areas recommended for SBE Subcontractor Goal:

SBE A/E Measure:		18.0%,
G/S Measure:	Not Applicable	
SBE Construction Measure:	Concrete	3.60%
	Lighting	4.68%
	Landscape	0.11%
	Signage & Pavement Markings	0.88%
	Total Construction Goal	<u>9.27%</u>
CWP:	As Applicable	

Contract Measure Recommendation:

- No Measure
- Set-Aside:
 - Level I Level II Level III
- Trade Set-Aside(s):
- Aggregate Set-Aside
- SBE Subcontractor Goal 9.27%
- CWP: As Applicable
- DBE Subcontractor Goal: Not Applicable

Reason for Recommendation: The recommendations are based on the information provided in the attached cost estimate and the DTPW experience from previous projects on the same area. This is a very sensitive location.