


**Date:** February 2, 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. 20210014, ISD No. DB21-DTPW-02  
Roadway Improvements to NE 2 Avenue from NE 20  
Street to NE 36 Street

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**RECOMMENDATION**

Department of Transportation and Public Works (DTPW) Capital Improvements staff completed the review of Design/Build Services project 20190256 in accordance with the applicable provisions of Implementing Order 3-22 and requested the review and approval from Small Business Division (SBD). On January 28, 2020 SBD provided the attached Project Worksheet with the approved Small Business Enterprise (SBE) subconsultant/subcontractor goal for design-build services for the above-referenced project. DTPW decided to cancel the project and re-advertised under the subject project number. No changes in the scope of work nor in the cost estimate were performed. Attached is the Project Measure Analysis and Recommendation along with other supporting documentation.

**Scope of Work:**

The work includes but is not limited to the following: Furnishing all professional services, supervision, labor, materials, equipment, tools and performing all operations required to construct the work in accordance with the Contract Documents.

The work includes all design and construction services necessary to perform roadway reconstruction, new stormwater system, sidewalks, curb and gutters, pavement markings, signage, signalization, decorative lighting, and landscaping. Work also includes all design and construction services necessary to install 4600 linear feet of 16-inch ductile iron pipe (DIP) water main and 1500 linear feet of 12-inch DIP water main and all appurtenances.

Engineer Project Total Cost Estimate  
(Including Contingency): \$10,307,626

SBE A/E Measure: 25.00%  
SBE G/S Measure: 2.1%  
SBE Construction Measure: 7.7  
CWP Goal: 10%

**BACKGROUND**

NE 2nd Avenue is an important North-South transportation corridor within the City of Miami. This corridor and the adjacent areas have experienced significant growth over the past few years. This is expected to continue as large commercial and residential projects are built and occupied. As such, providing for mobility along this corridor at an acceptable level is critical to the surrounding areas.

The typical section selection was based on a traffic study completed by the City of Miami in 2015 and recommendations from the DTPW's Traffic Engineering Division. From the study, an alternative was selected that provides for two travel lanes and one bicycle lane in each direction. This alternative will maintain the overall Level of Service (LOS) at C.

If any additional information is required you may contact me at (305) 375-2097, or Roxana Bayarre at (305) 375-3267.

AM/rb


Attachments (3)

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

Alejandro Sauleda, DTPW  
Miguel Soria, P.E., DTPW  
Alice Hidalgo-Gato, ISD

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:** Tuesday, February 2, 2021

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**CONTRACT INFORMATION**

**PWWM Project No.:** 20210014

**ISD Project No.:** DB21-DTPW-02

**Project Title:** Roadway Improvements to NE 2 Avenue from NE 20 Street to NE 36 Street

**Re-submittal:** Yes – This project was originally submitted on January 28, 2020 under project No. 20190256. DTPW decided to cancel project 20190256 due to encountered issues during the procurement process and to re-advertise the project under project No. 20210014.

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

**Estimated Project Total Cost (including Contingency):** \$ 9,525,535 - Construction  
\$ 782,091 - Design

**Funding Source:** People's Transportation Plan (PTP) and Water Renewal and Replacement Fund (WASD R&R), and RIF

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

**PROJECT INFORMATION**

**Scope of Work**

The work includes but is not limited to the following: Furnishing all professional services, supervision, labor, materials, equipment, tools and performing all operations required to construct the work in accordance with the Contract Documents.

**Project No.:** DB21-DTPW-02 (20210014)  
**Project Title:** Roadway Improvements to NE 2 Avenue from NE 20 Street to NE 36 Street

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

The work includes all design and construction services necessary to perform roadway reconstruction, new stormwater system, sidewalks, curb and gutters, pavement markings, signage, signalization, decorative lighting, and landscaping. Work also includes all design and construction services necessary to install 4600 linear feet of 16-inch ductile iron pipe (DIP) water main and 1500 linear feet of 12-inch DIP water main and all appurtenances.

**Design:**

The proximity to the railroad and 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 6.01. See table below.

**A/E Consultant Selection: Technical Certification Categories:**

Roadway Improvements along NE 2nd Ave from NE 20 St to NE 36 St – Design Costs Segment A				
3.02	Lead A/E	Major Highway Design	31.00%	\$242,448.36
3.09	Lead A/E	Signing, Pavement Marking, and Channelization	4.00%	\$31,283.66
10.01	Lead A/E	Stormwater Drainage Design Engineering Services	14.00%	\$109,492.81
<b>3.10</b>	<b>Sub</b>	<b>Lighting</b>	<b>10.00%</b>	<b>\$78,209.15</b>
3.11	Sub	Signalization	10.00%	\$78,209.15
<b>6.01</b>	<b>Sub</b>	<b>Water Distribution And Sanitary Sewage Collection And Transmission Systems</b>	<b>15.00%</b>	<b>\$121,224.18</b>
9.02	Sub	Geotechnical And Materials Engineering Services	1.50%	\$11,731.37
9.03	Sub	Concrete and Asphalt Testing Services	1.00%	\$7,820.91
10.05	Sub	Contamination Assessment and Monitoring	1.00%	\$7,820.91
15.01	Sub	Land Surveying	7.00%	\$54,746.40
15.02	Sub	Aerial Photogrammetry	1.00%	\$7,820.91
20.00	Sub	Landscape Architecture	4.00%	\$31,283.66
		<b>Total of technical categories to be Sub</b>	<b>6.50%</b>	<b>\$199,433.33</b>

**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

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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, Drainage Work Classes and Traffic Signal.

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:		25.0%,
G/S Measure:	MOT Devices	2.1%
SBE Construction Measure:	Concrete	6.4%
	Landscaping	0.6%
	Signage & Pavement Markings	0.8%
	<b>Total Construction Goal</b>	<u><b>7.7%</b></u>
CWP:		10%

**Contract Measure Recommendation:**

- No Measure
- Set-Aside:
 

Level I	Level II	Level III
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- Trade Set-Aside(s):

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MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS  
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- Aggregate Set-Aside
- SBE Subcontractor Goal:
- CWP
- 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 and with a great level of difficulty due to its proximity to the railroad.