

**DEPARTMENT INPUT**  
**CONSTRUCTION CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION**

Check applicable Ordinance(s):  90-143 Responsible Wage and Benefits       03-237 (formerly 03-1) Community Workforce Program

**PROJECT INFORMATION**    See attachment

**Contract/Project/\*Work Order No.:** **S-958**

\*Reference corresponding project number when submitting a work order

**Contract/Project Title:** **D2-C-2, Proposed 16-inch, 12-inch, and 8-inch DI Water Main and 10-inch and 8-inch Gravity Sewer along NW 22nd Avenue from NW 79th Street to NW 90th Street and 8-inch Force Main along NW 87th Street**

**Description/Scope of Work:** **See Attached**

**Estimated Cost:** **6508611** **Funding Source:** **General funds**

**Location of Project** (street address or beginning and ending points) i.e. 12345 NE 23<sup>rd</sup> Ct or Starts at 135 St. ends at 145 St.

**Along NW 22 Avenue from NW 79 Street to NW 90 Street, along with work on side streets, in Sections 3 & 10, Township 54S, Range 41E.**

**PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CWP)**    See attachment

Engineer/Department or Agency's estimated required workforce for Project  Work Order :

Trade/Skills Required	Est. # of workforce required per trade	Est. # of total days to complete job
N/A		
N/A		
N/A		

Comments:..

**PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE)**    See attachment

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
<b>SBE-Cons</b>	\$1,171,550	18.0%	
<b>SBE-G&amp;S</b>	\$520,689	8.0%	
	\$	%	

**RECOMMENDATION**

**Set-Aside:** Level 1  Level 2  Level 3  Trade Set-Aside  Sub-Contractor Goal  Workforce Goal  No Measure

**Basis for Recommendation: Due to limited availability, it has been determined that the suggested measures per the attached is appropriate for this project.**

**Date submitted to DBD:** **11/17/2020**

**Contact Person:** **Isaac Smith**

**Telephone No.:** **786-552-8989**

**DEPARTMENTAL INPUT  
CONTRACT MEASURE ANALYSIS AND RECOMMENDATION**

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

From: Isaac Smith, Chief  
Construction Contracts Division

Department: Miami-Dade Water and Sewer Department

Contract Title: D2-C-2, Proposed 16-inch, 12-inch, and 8-inch DI Water Main and 10-inch and 8-inch Gravity Sewer along NW 22nd Avenue from NW 79th Street to NW 90th Street and 8-inch Force Main along NW 87th Street

Contract No.: S-958

Estimate Amount: \$6,508,611.78 [\$5,916,919.80 Construction + \$591,691.98 Contingency]

Funding Source: EW 647, GOB Funding & EW 270, Future WASD Revenue Bonds

**Small Business Enterprise – Construction – 18.0%**

**Analysis for Recommendation (Attached)**



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Department Head or Authorized Agent

**DESCRIPTION OF PROJECT:**

This project is one in a series of projects that are being processed under Section 2-8.2.12 of the Code, entitled Miami-Dade Water and Sewer Department Consent Decree and Capital Improvement Programs Accelerate Ordinance.

The project is comprised of the installation of 16-inch, 12-inch and 8-inch water mains; 10-inch and 8-inch gravity sewer mains; and 8-inch force main primarily along NW 22 Avenue from NW 79 Street to NW 90 Street, along with work on side streets. The project consists of furnishing all materials, labor and equipment, necessary to construct the proposed water mains, gravity sewers, and force main, including, but not limited to, mobilization; site preparation and clearing and grubbing as necessary; furnish and install new water mains, gravity sewers, and force main; furnish and install connections to the existing water mains and force main; connections to the future Pump Station D2-C-2; site restoration; testing; and other appurtenant and miscellaneous items and work for a complete, satisfactory and functional installation for this force main as shown on the contract drawings and as specified. All water mains, gravity sewers, and force mains will be constructed in accordance with Miami-Dade Water and Sewer Department's Design Standards.

The project is located primarily along NW 22 Avenue from NW 79 Street to NW 90 Street, along with work on side streets, in Sections 3 & 10, Township 54S, Range 41E in Miami-Dade County, Florida.

## **CONSIDERATIONS FOR ANALYSIS:**

1. This project involves installation of a ductile iron water mains, force mains, consumer line water services, sanitary sewer collection system, including laterals and precast manholes.
2. The project involves the construction of gravity sanitary sewers at deep cut depths and the installation of precast concrete manholes, which requires the use of large equipment and capable of deeper trench installations.
3. The project requires utility installation in areas of known contamination; therefore the contractor is required to provide the services of a Certified Industrial Hygienist.
4. The work also includes the installation of water service lines.
5. Recommended opportunity for SBE-Construction participation is in the area of roadway pavement restoration, milling, installation of blow-off assemblies and surface restoration, including replacement of sod and shrubs, tree protection, trimming and root pruning.

**LICENSES:** The types of licenses required are: General Engineering, State Underground, Pipeline and/or other categories as applicable by Chapter 489 of the Florida Statutes or Chapter 10 of Miami-Dade County Code.

## **COMMUNITY WORKFORCE PROGRAM**

**CWP PARTICIPATION: Not Applicable, project is not located in a DTA.**

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Contract No.: S-958

Estimate Amount: \$6,508,611.78 [\$5,916,919.80 Construction + \$591,691.98 Contingency]

Funding Source: EW 647, GOB Funding & EW 270, Future WASD Revenue Bonds

**Small Business Enterprise – Goods & Services – 8.0%**  
**Analysis for Recommendation (Attached)**



Department Head or Authorized Agent

**DESCRIPTION OF PROJECT:**

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**CONSIDERATIONS FOR ANALYSIS:**

1. Gravity Sewer: furnish and install of 10- and 8-inch ductile iron gravity sewer along NW 22 Avenue, including sewer laterals, cleanouts and installing precast manholes.
2. Sanitary Force Main: furnish and install of 8-inch ductile iron force main along NW 87 Avenue from NW 21 Court to NW 21 Avenue.
3. Water Main: furnish and install of 16-inch, 12-inch, and 8-inch ductile iron water main along NW 22 Ave., from NW 79 Street to NW 90 Street, including service lines; water meters; and fire hydrants.

4. The project also involves numerous interconnections to existing water mains and sanitary sewer collection systems. The construction required for this project requires the use of very large machinery to accommodate the depth and trench widths required for large diameter pipe installation
5. The construction will be required in an area with possible contaminated soils. The contractor will be required to dispose of contaminated soils, provide clean fill and provide the services of a Certified Industrial Hygienist.
6. The Department has evaluated the project for possible opportunities for participation in the area of SBE – Goods and Services. Based on the scope and nature of the work, we have concluded that there are limited opportunities for participation in this project.
7. The possible areas of subcontracting are in the area of Maintenance of Traffic, Pavement Marking, Milling, Paving, concrete curb and gutter restoration, Surveying and Traffic Loop Restoration. Possible areas for goods includes furnishing construction materials, piping, valves and fittings.
8. **Therefore, for SBE- Goods and Services the recommended participation goal of 8.0%, as shown below:**

<b>Analysis for Small Business Enterprise – Goods and Services Recommendation</b>				
Item	Goods & Services	Prime Contractor	Sub-Contractor	SBE Availability
1.	<b>GOODS:</b> Ductile Iron Pipe & Fittings Resilient Seated Gate Valves Limerock Base and Subbase Fire Hydrants	X X X X	X X X X	X X X X
2.	<b>SERVICES</b> Utility Piping Connections Furnishing Traffic Control Replacing Pavement Markings Roadway Milling Permanent Paving Sodding Replacement Traffic Loops Certified Industrial Hygienist Profession Surveyor & Mapper	X X	X X X X X X X X	X X X X