

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-964**

*Reference corresponding project number when submitting a work order

Contract/Project Title: **NW 27 AVENUE WASTE COLLECTION TRANSMISSION SYSTEM EXPANSION AND WATER DISTRIBUTION SYSTEM IMPROVEMENTS D2-A-1 PHASE 2**

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

Estimated Cost: **4986292** **Funding Source:** **General funds**

Location of Project (street address or beginning and ending points) i.e. 12345 NE 23rd Ct or Starts at 135 St. ends at 145 St.
Along NW 22 Avenue between NW 107th Street and NW 123rd Street, with work on side streets, in Sections 27, 28, 33 & 34, Township 52S, 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
<u>SBE-Cons</u>	\$702,440	14.09%	
<u>SBE-G&S</u>	\$556,804	11.17%	
	\$	%	

RECOMMENDATION

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

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

Date submitted to DBD:**06/03/2021**

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: NW 27 AVENUE WASTE COLLECTION TRANSMISSION SYSTEM EXPANSION AND
WATER DISTRIBUTION SYSTEM IMPROVEMENTS D2-A-1 PHASE 2

Contract No.: S-964

Estimate Amount: \$4,986,292.30 [\$4,532,993.00 Construction + \$453,299.30 Contingency]

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

Small Business Enterprise – Construction – 14.09% Analysis for Recommendation (Attached)



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 consists of furnishing all materials, labor, and equipment necessary for the installation of approximately 7,984 linear feet (LF) of a new Gravity Sewer system (based on approximately 3,133 LF of 8-inch Polyvinyl Chloride (PVC) gravity sewer mains and fittings, 160 LF of 8-inch Ductile Iron (DI) gravity sewer mains and fittings, 2,632 LF of 10-inch PVC gravity sewer mains and fittings, 306 LF of 12-inch PVC gravity sewer mains and fittings and 1,753 LF of 16-inch PVC gravity sewer mains and fittings) along with installation of 59 sewer lateral connections (Approximately 1,987 LF of 6-inch PVC sewer lateral mains and fittings and 38 LF of 6-inch DI lateral mains and fittings) and 26 manhole structures along NW 27th Avenue, between NW 107th Street and NW 123rd Street, and including the following adjoining streets: NW 123rd Street, NW 119th Street, NW 118th Street, NW 115th Street, and W Golf Drive. The installation along NW 27th Avenue and NW 119th Avenue falls within the Florida Department of Transportation's (FDOT) Right-of-Way, requiring coordination with FDOT to obtain the appropriate permits for construction.

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 27, 28, 33 & 34, Township 52S, Range 41E in Miami-Dade County, Florida.

The work includes but is not limited to furnishing all materials, labor, and equipment necessary for the installation of the gravity sewer mains, sanitary laterals and connections thereof, including the installation of new sanitary manhole structures separated no more than 400 feet apart as shown in the plans;

relocating two (2) existing 15-inch concrete storm drainage pipes and coordination with the Department for the relocation of one (1) 12-inch ductile iron water main in conflict with the proposed sanitary sewer alignment as shown in the contract documents (the Department to perform water main relocation work); providing protective measures due to petroleum contamination for approximately 100 LF along NW 27th Avenue as specified in the contract documents including: providing ductile iron pipe (DIP) in lieu of PVC pipe with protective polyethylene encasement, Viton gaskets, and trench liner (see Appendix K for the Department's Environmental Due Diligence Review for additional information); and coring an existing manhole located at the intersection of W Golf Drive and NW 115th Street to accept a 16-inch PVC gravity sewer in accordance with WASD Detail SS 6.2. Work includes, as well, cleaning and testing of the proposed gravity sewer lines, providing and implementing Maintenance of Traffic (MOT) plans, providing off-duty police for traffic control as per the requirements of the Department or governing authorities, temporary and permanent pavement restoration, full width milling and asphalt overlay of existing roadways as shown in the contract documents and replacing pavement markings.

CONSIDERATIONS FOR ANALYSIS:

1. This project involves installation of a ductile iron and polyvinyl chloride sewer mains, 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 viton gaskets and trench liner.
4. The work also includes the relocation of a portion of an existing water main.

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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Small Business Enterprise – Goods & Services – 11.17.0% Analysis for Recommendation (Attached)



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CONSIDERATIONS FOR ANALYSIS:

1. Gravity Sewer: furnish and install of ductile iron and polyvinyl chloride gravity sewer pipe along NW 27 Avenue, including sewer laterals, cleanouts and installing precast manholes.
2. The project also involves numerous interconnections to 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 gravity sewer pipe installation

3. 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 viton gaskets.
4. 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.
5. 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 opportunities for participation of SBE-Goods vendors in this project. Possible areas for goods include furnishing construction materials, piping and fittings
6. **Therefore, for SBE- Goods the recommended participation goal of 11.17%, as shown below:**

Analysis for Small Business Enterprise – Goods and Services Recommendation				
Item	Goods & Services	Prime Contractor	Sub-Contractor	SBE Availability
1.	GOODS: PVC Sewer Pipe PVC Fittings Sewer Cleanouts Limerock Base and Subbase	X X X X	X X X X	X X X X
2.	SERVICES Utility Piping Connections Furnishing Traffic Control Replacing Pavement Markings Roadway Milling Permanent Paving Sodding Replacement	X X	X X X X X	X X X X