

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.: P0245

*Reference corresponding project number when submitting a work order

Contract/Project Title: Furnish and Install 16-inch PVC 14-inch HDPE Force Main at NE 183 RD ST. & Island Blvd.

Description/Scope of Work: See Attached

Estimated Cost: 3667495 **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.
183 ST & Biscayne Blvd east into Williams Island, Section 03 and Section 10, Township 52, Range 42, City of Aventura, Miami-Dade County, Florida

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: CWP Goal is applicable to this project.

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE) See attachment

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
Construction	\$234,720	6.40%	
G & S	\$271,395	7.40%	
	\$	0%	

RECOMMENDATION

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

Basis for Recommendation: Half of the project involves specialized trenchless construction. Due to limited availability, it has been determined that the suggested measures per the attached is appropriate for this project..

Date submitted to DBD: 01/25/2021

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: Furnish and Install 16-inch PVC 14-inch HDPE Force Main at NE 183
RD ST. & Island Blvd. City of Aventura

Contract No.: MCC-7360 PLAN RPQ# P0245

Estimate Amount: \$3,667,495.70 [\$3,334,087 Construction + \$333,408.70 Contingency]

Funding Sources: EW 670, WASD Revenue Bonds Sold

Small Business Enterprise Recommendation – Construction – 6.4% Analysis for Recommendation (Attached)
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Department Head or Authorized Agent

DESCRIPTION OF PROJECT:

The Project, including mobilization and demobilization, consists of furnishing and installing via open-cut method 10-inch C900 PVC pipe for PS 471 connection and placing out of service the existing 8-inch D.I. pipe, 12-inch C900 PVC pipe to replace existing 12-inch D.I. pipe along NE 30 AVE continuing to NE 183rd Street, 16-Inch C900 DR18 PVC pipe to tap into the existing 36-inch D.I. force main (FM) pipe along Biscayne Boulevard and connect to the proposed 12-inch C900 pipe at NE 30th Ave, 10-inch C900 PVC pipe to replace existing 8-inch D.I. pipe connected to PS 499; furnishing and installing, via slip-lining method, 14-inch nominal size C900 DR11 HDPE pipe to replace existing 18-inch D.I. pipe used as sanitary sewage FM and connecting from the proposed 10-inch PVC pipe near PS 499. Upon completion of this project, the valve south of PS 499 shall be closed and flows from PS 499 will be diverted north and west to the existing 36- inch FM in Biscayne Blvd. and NE 183 St. The project also includes providing and maintain public outreach throughout the duration of the project.

The Contractor shall furnish and install all labor, materials and supplies, including but not limited to furnishing and installing the HDPE liner pipe and fittings including construction of all necessary insertion and receiving pits; furnishing and installing a low-temperature grout in the annulus between liner pipe and host pipe; furnishing and installing a tapping sleeve (stainless steel) and tapping valve on FDOT road for tapping into existing 36-inch FM on Biscayne Blvd.; mechanical joint restraints; automatic air release valve assemblies; polyethylene encasement for ductile iron pipe and fittings, Ductile Iron zinc coated valves and restraintment; sheeting and shoring left in place if ordered by the Engineer; additional suitable backfill, if needed; furnishing and placing flowable fill for trench backfill; furnish all materials, equipment and supplies necessary for performing CCTV pipe inspections, all necessary cleaning and clearing of any obstructions in the existing main to allow slip-lining; branch cut-in connections shown on plans, cutting, removal, flushing and plugging existing sanitary sewage force mains, use of vacuum trucks for disposal of all

sanitary sewage flow during the required temporary shutdown periods, installing temporary Line Stops and bypasses to ensure minimal interruptions to the FM system; demo and/or installing permanent caps to the abandoned existing FM's as required in coordination with WASD forces; pressure testing of the proposed main and making all necessary connections to the existing FMs along the project route in coordination with WASD's Pump Station Maintenance and Sewage Collection Divisions; removal of existing asphalt, concrete pavement and sidewalks, sidewalk and roadways with pavers; removal, transport, salvage and legal disposal of demolition materials; Ancillary work includes all permitting; prevention of water run-off into canals, lake area and drainage structures; vehicular and pedestrian ingress prevention control into mangrove areas; complying with environmental restrictions and requirements; traffic control; temporary pavement required to maintain local traffic and permanent pavement restoration; full width milling and asphalt overlay of existing roadways; temporary and permanent replacement of any pavement, pavers, driveways, sidewalks, curb and gutters, sod areas, hardscaping, landscaping and pavement markings damaged by the construction of the Project to as good or better than original condition and to the satisfaction of the Department and the governing authorities; provide extended warranty for FDOT intersection under moratorium; performing work with time and weather limitations and other appurtenant and miscellaneous items; and all work necessary for a complete, fully functional and satisfactory installation of the project located in a portion of Section 03 and Section 10, Township 52, Range 42, City of Aventura, Miami-Dade County, Florida.

NOTE: - WASD has received funding for this project from both WIFIA & SRF.

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

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

Additional Qualifications Requested:

Based on the urgent and complex nature of this project it is requested that participation be limited only to firms that have been prequalified in MCC 7360 Subpoo1 and MCC 7360 Subpool 4.

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**Analysis for Recommendation
7.4% SBE-Goods**



Department Head or Authorized Agent

CONSIDERATIONS FOR SBE-G/S ANALYSIS:

1. The Project consists of furnishing PVC pipe and several plug valves.
2. The Department has evaluated the project for possible opportunities for participation in the area of SBE – Goods and Services.
3. **The Department’s recommendation is 7.4% for Goods.**

Analysis for Small Business Enterprise – Goods and Services Recommendation				
Item	Goods & Services	Prime Contractor	Sub-Contractor	SBE Availability
1.	GOODS: PVC C900 Pipe & Fittings Plug Valves	X X	X X	X X
2.	SERVICES Slip-Lining Installation Linestop Installation Pavement Markings Milling & Paving Slip Lining Installation Maintenance of Traffic Furnishing: CCTV Inspection Certified Industrial Hygienist	X	X X X X X X X	X