

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-912

*Reference corresponding project number when submitting a work order

Contract/Project Title: CD 3.06 NORTH DISTRICT WASTEWATER TREATMENT PLANT DISINFECTION FACILITY IMPROVEMENTS, Contract No S-912

Description/Scope of Work: See Attached

Estimated Cost: 17520368 Funding Source: Other (specify)

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.

North District Wastewater Treatment Plant (NDWWTP) disinfection facility improvements located in the city of North Miami at 2575 NE 156 Street

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:Specialized mechanical work involving sophisticated variable Frequency Drive units and controls. The project is required under the USEPA Consent Decree and must be in service by May 8, 2018.

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE) See attachment ☒

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
Construction	\$2,328,005.33	13.29%	
G & S	\$273,511.46	1.56%	
	\$	0%	

RECOMMENDATION

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

Basis for Recommendation: This project involves equipment necessary for the construction of new liquid sodium hypochlorite disinfection facility. The Bidder must have successfully completed the construction and/or rehabilitation of a minimum of three (3) chemical storage and metering facilities within the last ten (10) years. Combined, these three facilities' total storage capacity shall be fifteen thousand gallons (15,000) or more. The Bidder or Bidder's Electrical Subcontractor shall have successfully completed a minimum of three (3) projects demonstrating experience with installation of electrical equipment rated for 480V power supply.

Date submitted to DBD: 10/30/17

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, Manager
Construction Contracts Section

Department: Miami-Dade Water and Sewer Department

Contract Title: CD 3.06 NORTH DISTRICT WASTEWATER TREATMENT PLANT DISINFECTION FACILITY IMPROVEMENTS

Contract No.: S-912

Estimate Amount: \$17,520,368.80 [15,927,608.00 Construction + \$1,592,760.80 Contingency]

Funding Source: EW 660, Revenue Bonds Sold & Future WASD Revenue Bonds

Small Business Enterprise – Construction – 13.29% 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 2-8.1.12 of the Code, entitled Miami-Dade Water and Sewer Department Consent Decree and Capital Improvement Programs Accelerate Ordinance. In general, the project consists of furnishing all materials, labor, and equipment necessary to upgrade the North District Waste Water Treatment Plant (NDWWTP) located at 2575 NE 56 St., in the City of North Miami, Florida.

The Work consists of furnishing materials, labor, and equipment necessary for the construction of a new Disinfection Facilities at the NDWWTP. The facilities will replace the existing sodium hypochlorite disinfection facilities which were installed on a temporary basis. These new facilities will provide storage and metering of concentrated liquid sodium hypochlorite for various process needs which include effluent disinfection and for the odor control systems. Work will be performed in Area 1, the existing On-Site Chlorine Building, and Area 2, the Pretreatment and Sludge Transfer Building.

The Work for Area 1 consists of the modification of the building interiors of the On-Site Chlorine Building to make room for the bulk storage tanks and metering equipment as well as the construction of a new Electrical Room. The new Electrical Room will consist of a new concrete structure which will adjoin with the On-Site Chlorine Building. The new Electrical Room shall connect to the On-Site Chlorine Building and have a finished floor elevation of +18.16' NGVD. Most of the electrical and instrumentation components inside the On-Site Chlorine Building will be demolished and installed the new Electrical Room. The new Electrical Room shall also house the motor control center and associated electrical equipment.

Area 2 is in the Pretreatment and Sludge Transfer Building and shall be a satellite facility that has smaller storage tanks for servicing discharge points of lower demand that are significantly distanced from Area 1.

The tanks in Areas 1 and 2 are replenished with new sodium hypochlorite from truck deliveries. The work in this area will consist of the modification of a small area in the building's southwest corner to house two (2) bulk storage tanks and metering pump equipment

QUALIFICATIONS OF BIDDERS:

Bidders shall submit proof that his/her firm has at least the minimum successful contract experience as requested below:

- a. The Bidder must have successfully completed the construction and/or rehabilitation of a minimum of three (3) chemical storage and metering facilities within the last ten (10) years. Combined, these three facilities' total storage capacity shall be fifteen thousand gallons (15,000) or more.
- b. The Contractor or Contractor's Electrical Subcontractor shall have successfully completed a minimum of three (3) projects demonstrating experience with installation of electrical equipment rated for 480V power supply.

LICENSES: The types of licenses required are: State General Contractor, General Engineering Contractor 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.

**DEPARTMENTAL INPUT
CONTRACT MEASURE ANALYSIS AND RECOMMENDATION**

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

From: Isaac Smith, Manager
Construction Contracts Section

Department: Miami-Dade Water and Sewer Department

Contract Title: CD 3.06 NORTH DISTRICT WASTEWATER TREATMENT PLANT DISINFECTION FACILITY IMPROVEMENTS

Contract No.: S-912

Estimate Amount: \$17,520,368.80 [15,927,608.00 Construction + \$1,592,760.80 Contingency]

Funding Source: EW 660, Revenue Bonds Sold & Future WASD Revenue Bonds

Small Business Enterprise – Goods & Services – 1.56% 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 the project consists of furnishing all materials, labor, and equipment necessary to upgrade existing disinfection facilities at the North District Waste Water Treatment Plant located in the City of North Miami at 2575 NE 156 St. The facilities will replace the existing sodium hypochlorite disinfection facilities which were installed on a temporary basis. These new facilities will provide storage and metering of concentrated liquid sodium hypochlorite for various process needs which include effluent disinfection and for the odor control systems.

CONSIDERATIONS FOR ANALYSIS:

1. The work shall be executed while the wastewater plant is in operation. The contractor's activities shall not adversely affect the operations or impact the treatment capacity of the plant.
2. This sub-system of the plant includes the chemical storage and metering of liquid chlorine. This project involves specialized construction as it involves large bulk storage of sodium hypochlorite and chlorine which are considered hazardous.

3. 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 limited opportunities for participation on this project. The recommended areas of participation for SBE Goods & Services providers includes the possible areas:

Analysis for Small Business Enterprise – Goods and Services Recommendation				
Item	Goods & Services	Prime Contractor	Sub-Contractor	SBE Availability
1.	GOODS: Chemical Process Equipment Electrical Switchgear Instrumentation & Controls Piping, Valves & Fittings Doors, & Glass Blocks Metering pumps	X X X X X X	 X X X X	 X X
2.	SERVICES Structural Electrical Instrumentation Systems Integration Fire Alarm Air Conditioning Chemical Pumping & Metering	X X X X	X X X X X X X	 X X X