

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-915R (Project Previously submitted as S-915)

*Reference corresponding project number when submitting a work order

Contract/Project Title: CD 2.15(3) PLANT 2 CLUSTER 3 DIGESTER UPGRADES

Description/Scope of Work: In general, the project consists of furnishing all materials, labor, and equipment necessary for upgrades to the existing Plant 2 Digester Cluster 3 facility at the Central District Wastewater Treatment Plant (CDWWTP), located in Virginia Key, 3989 Rickenbacker Causeway, Section 16, Township 54, Range 42, Miami-Dade County, Florida 33149.

Estimated Cost: 35,008,162 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.
3989 Rickenbacker Causeway, Virginia Key, Florida 33149

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:Not Applicable, Project is not in a DTA.

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE) See attachment

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
0	\$2,361,459.94	6.75%	
0	\$472,220	1.35%	
0	\$	0%	

RECOMMENDATION

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

Basis for Recommendation: Limited availability among SBE subcontractors. Also the project involves the replacement of very large mechanical processing equipment used in a wastewater treatment plant's biosolids system.

Date submitted to DBD: 07/05/2021

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

RESUBMITTAL

From: Isaac Smith, Chief
Construction Contracts Division

Department: Miami-Dade Water and Sewer Department

Contract Title: CD 2.15(3) PLANT 2 CLUSTER 3 DIGESTER UPGRADES

Contract No.: S-915R

Estimate Amount: \$35,008,162.20 [\$31,825,602 Construction + \$3,182,560.20 Contingency]

Funding Source: EW 670, Revenue Bonds Sold

Small Business Enterprise – Construction – 6.75% 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.

In general, the project consists of furnishing all materials, labor, and equipment necessary for upgrades to the existing Plant 2 Digester Cluster 3 facility at the Central District Wastewater Treatment Plant (CDWWTP), located in Virginia Key, 3989 Rickenbacker Causeway, Section 16, Township 54, Range 42, Miami-Dade County, Florida 33149.

The scope of work includes, but is not limited to, the complete rehabilitation and upgrade to the CDWWTP Plant 2 Digester Cluster 3 facility. The project includes replacement of all existing equipment, valves, piping; and appurtenances; electrical panels, conduits, cables, and lighting; demolition; instrumentation and controls; building mechanical; and architectural doors, windows, and louvers within the digester Control Building and inside Digester Tank Nos. 9, 10, 11, and 12; new digester covers for Digester Tank Nos. 9, 10, 11, and 12; new valve vault for Digester Cluster 3; extension of the existing Electrical Room at the Control Building; structural repairs to and recoating of Control Building and Digester Tank Nos. 9, 10, 11, and 12. The work also includes providing a Florida Registered Land Surveyor.

It is Miami-Dade Water and Sewer Department's intent to obtain a completely functional and satisfactory installation under this project, and any items of labor, equipment or materials which may be reasonably assumed as necessary to accomplish this and shall be supplied whether or not they are specifically shown on the plans or stated in the specifications. The Contractor shall provide all sheeting, shoring, bracing and all other labor, material or equipment required to preclude damage to, or loss of functionality of, any existing facility or system.

QUALIFICATIONS OF BIDDERS:

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

- a. The Contractor shall be experienced in the construction of new or rehabilitation of existing wastewater treatment plant biosolids systems, which include return/waste activated sludge pump stations, sludge thickening, digester, and dewatering systems.
- b. The Contractor must have successfully completed the construction of two (2) projects which included new wastewater digester tanks or rehabilitation of existing wastewater digester tanks.
- c. Experience is required with the installation of at least one (1) new digester tank floating cover. This requirement can be met by the experience of the Bidder or Bidder's Subcontractor.
- d. The Contractor or Contractor's Electrical Subcontractor shall have successfully completed a minimum of two (2) projects demonstrating experience with installation of electrical equipment rated for 480V power supply.

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

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Small Business Enterprise – Goods & Services – 1.35%

Analysis for Recommendation (Attached)



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CONSIDERATIONS FOR ANALYSIS:

1. The project involves the construction of a new and rehabilitation of a wastewater treatment plant biosolids system. This sub-system of the plant includes very large, expensive and specialized equipment. During normal operations the metal digester covers float above the structure.
2. The major portions of the work involves the complete rehabilitation and upgrade of all 4 digesters that comprise Cluster, including all structural, mechanical and electrical repairs, including floating covers.
3. The project site shall be within an existing and operating wastewater treatment plant.
4. 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 a wide range of 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: Mechanical Process Equipment Biosolids Systems Electrical Switchgear Instrumentation & Controls Piping & Fittings HVAC Sitework & Sodding	X X X X X	X X X	X X X
2.	SERVICES Structural Electrical Instrumentation Testing & Compaction Paving Civil Site work Systems Integration Paving Utility Piping Finishing Painting Plumbing Fencing Surveying	X X	X X X X X X X X X X X X X	X X X X X X X X X X X X