

Date: October 21, 2022

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

From: Cristian Garcia, Lead worker
Contract Compliance Specialist II
Miami Dade Water & Sewer

Subject: Installation of Protective Articulated Concrete Mats for Central District and North District Plant Outfalls (RPQ P15703)

Miami-Dade Water and Sewer Department (WASD) respectfully requests that you review the attached recommendation to allow this project to be bid using the CICC7360 Program.

The project involves performing 90% of the scope of work in the open ocean. There are two work sites, located at the North District Wastewater Treatment Plant (NDWWTP) and the Central District Wastewater Treatment Plant (CDWWTP), respectively. One work site is approximately 17,400 feet offshore at a depth of 43 feet. The project requires a Construction Dive Team Contractor (minimum of 4 divers) who must have 3 consecutive years of experience in the installation of revetement systems under water including as Sour Protection.

Primary Trades for this project are General Engineering

Summary of Work

CDWWTP 120" OCEAN OUTFALL SCOUR PROTECTION SYSTEM REPAIR / Estimate: \$1,409,852.11, 10% Contingency \$140,985.21 (unforeseen conditions)

The project consists of providing all labor, equipment and supplies to perform:

1. Installation of protective structure along a 113 LF section of existing pipeline, approximately 9,300-ft offshore in a depth of approximately 43 feet; consisting of 9,720 SQF of geotextile mat, Articulation Concrete Mat (ACB), 360 CY of riprap bubble and 60 CY of washed stone. To complete the work to the line and grades illustrated in the plans.

and

2. Installation of protective structures along a 50 LF section of existing pipeline, approximately 17,400-ft offshore in a depth of approximately 43 feet; consisting of 4,300 SQF of geotextile mat, ACB mat, 160 CY of riprap rubble and 30 CY of washed stone. To complete the work to the line and grades illustrated in the plans.

At the Central District Wastewater Treatment Plant (CDWWTP) 120" Ocean Outfall pipeline. The permanent repair includes the installation of articulated concrete block mats.

NDWWTP 90" OCEAN OUTFALL SCOUR PROTECTION SYSTEM REPAIR / Estimate: \$ 824,933.25, 10% Contingency \$82,493.32 (unforeseen conditions)

The project consists of providing all labor, equipment and supplies to perform:

1. Installation of protective structure along a 76 LF section of existing pipeline, approximately 5200-ft offshore east of Haulover Beach in a depth of approximately 32 feet; consisting of 6,530 SQF of geotextile mat, Articulation Concrete Mat (ACB), 240 CY of riprap bubble and 40 CY of washed stone to complete the work to the line and grades illustrated in the plans.

At the North District Wastewater Treatment Plant (NDWWTP) 90" Ocean Outfall pipeline.

Cristian Garcia
Contracts Compliance Specialist 2
Miami-Dade Water & Sewer Department
3071 SW 38 Ave, Suite 107-14, Miami, FL 33146
(786) 552-8216 (Phone) (786) 552-8885 (Fax).

Cc: Paul Adams

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.: P15703

*Reference corresponding project number when submitting a work order

Contract/Project Title: Installation of Protective Articulated Concrete Mats for Central District and North District Plant Outfalls

Description/Scope of Work: See Attached

Estimated Cost: 2458263 **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 Cswy., Key Biscayne 33149 and 2575 NE 151 St., N. Miami Beach 33160

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
Construction	\$	%	N/A
G & S	\$	%	N/A
	\$	0%	

RECOMMENDATION

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

Basis for Recommendation: Specialized Trade

Date submitted to DBD: 10/21/2022

Contact Person: Cristian Garcia

Telephone No.: (786)552-8216

**DEPARTMENTAL INPUT
CONTRACT MEASURE ANALYSIS AND RECOMMENDATION**

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

From: Cristian Garcia, Leadworker
Construction Contracts Division

Department: Miami-Dade Water and Sewer Department

Contract Title: Installation of Protective Articulated Concrete Mats for Central District and North District
Plant Outfalls (RPQ P15703)

Contract No.: P15703

Estimate \$2,458,263.89 (Construction \$2,212,437.51 + Contingency \$245,826.38)

Funding Source: EW 101

Small Business Enterprise – Construction - NO MEASURE Analysis for Recommendation (Attached)

Department Head or Authorized Agent

DESCRIPTION OF PROJECT:

The purpose of the project is to provide scour protection on exposed areas of the North District Wastewater Treatment Plant (NDWWTP) and Central District Wastewater Treatment Plant (CDWWTP) 90" ocean outfall pipelines. The project consists of the excavation of trenches, preparation of area immediately adjacent to exposed pipe, installation of geotextile, installation of washed rock, installation of Articulated Concrete Block (ACB) Mats, connection of mats to each other and connection of new mats to existing adjacent mats, if present, and installation of riprap armor in trenches overlying ACB, and removal of debris incidental to the construction. Two areas are to be repaired consisting of an approximate 20,550 square feet of scour protection system between NDWWTP and CDWWTP in Miami-Dade County, Florida.

It is the intent of the Department to obtain a complete and working installation under this Project and any items of labor, equipment or materials which may reasonably be assumed as necessary to accomplish this end shall be supplied whether or not they are specifically shown on the Plans or stated herein.

LICENSES REQUIRED:

General Engineering

**DEPARTMENTAL INPUT
CONTRACT MEASURE ANALYSIS AND RECOMMENDATION**

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Funding Source: EW 101

Small Business Enterprise – Goods & Services - NO MEASURE Analysis for Recommendation (Attached)

Department Head or Authorized Agent

DESCRIPTION OF PROJECT:

The purpose of the project is to provide scour protection on exposed areas of the North District Wastewater Treatment Plant (NDWWTP) and Central District Wastewater Treatment Plant (CDWWTP) 90" ocean outfall pipelines. The project consists of the excavation of trenches, preparation of area immediately adjacent to exposed pipe, installation of geotextile, installation of washed rock, installation of Articulated Concrete Block (ACB) Mats, connection of mats to each other and connection of new mats to existing adjacent mats, if present, and installation of riprap armor in trenches overlying ACB, and removal of debris incidental to the construction. Two areas are to be repaired consisting of an approximate 20,550 square feet of scour protection system between NDWWTP and CDWWTP in Miami-Dade County, Florida.

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CONSIDERATIONS FOR ANALYSIS:

Analysis for Small Business Enterprise – Goods and Services Recommendation

Item	Goods & Services	Prime Contractor	Sub-Contractor	SBE Availability
1.	GOODS & SERVICES Sub-contractor goal 4.00%		X	
2.				