

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.: W-944

*Reference corresponding project number when submitting a work order

Contract/Project Title: ALEXANDER ORR JR. WATER TREATMENT PLANT LIME KILN ELECTRICAL SWITCHGEAR BUILDING

Description/Scope of Work: See Attached

Estimated Cost: 4686530 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.

Alexander Orr Jr. Water Treatment Plant, located 6825 SW 87th Avenue, Miami-Dade County, Florida 33173

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
Construction	\$319,962	7.51%	
G & S	\$ 42,605	1.00%	
	\$	0%	

RECOMMENDATION

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

Basis for Recommendation: Availability among SBE subcontractors. The scope involves the construction of an electrical switchgear building, complete, with all medium and high voltage electrical switchgear, MCC, transformer, FPL vault, breakers, panelboards, etc.

Date submitted to DBD: 1/22/18

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: ALEXANDER ORR JR. WATER TREATMENT PLANT
LIME KILN ELECTRICAL SWITCHGEAR BUILDING

Contract No.: W-944

Estimate Amount: \$4,686,530.29 [4,260,482.08 Construction + \$ 426,048.21 Contingency]

Funding Source: EW 260

Small Business Enterprise – Construction – 7.51% 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.

The Work consists of furnishing materials, labor, and equipment necessary for the construction of new Lime Kiln Electrical Switchgear Building at the Alexander Orr Jr. Water Treatment Plant, located at 6825 SW 87th Ave in Miami, Florida 33173. The intent of the project is to construct a new electrical switchgear building with provisions to accommodate a new FP&L utility feed. The new building will be located directly adjacent to Warehouse #1. The building will contain a FP&L equipment vault in addition to an electrical room and mechanical room. The site of the proposed building is a paved area. Demolition of the asphalt and relocation of utilities will be required.

The project also includes a new redundant power feed to Well house #10. Project also includes installation of two medium voltage circuit breakers, and a unit substation to support the lime kiln system, as well as installation of lighting, panelboards, fire alarm system, receptacles, lightning protection and SCADA interface to support the building installation. The project also includes furnishing and installing all building mechanical equipment at including HVAC equipment such as fans, ductwork, louvers and temperature controls. The source of cooling for the new electrical building is two 100 percent redundant DX cooling only split systems.

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.

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CONTRACT MEASURE ANALYSIS AND RECOMMENDATION**

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Funding Source: EW 260

Small Business Enterprise – Goods & Services – 1.79%

Analysis for Recommendation (Attached)

Department Head or Authorized Agent

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CONSIDERATIONS FOR ANALYSIS:

1. The project involves the construction of a new electrical building, complete with medium and low voltage electrical switchgear, fire alarm and air conditioning system. The high service pump is a very large and expensive engine that is capable of being operated by natural gas in the event of power failure.
2. The work shall be executed while the water plant is in operation. The contractor's activities shall not adversely affect the operations or impact the treatment capacity of the plant.
3. The work shall require the installation of electrical equipment rated for 480V power supply and greater.
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 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 1%				
Item	Goods & Services	Prime Contractor	Sub-Contractor	SBE Availability
1.	GOODS: Structural material Electrical Switchgear Instrumentation & Controls Piping, Valves & Fittings Painting	X X X X X	X X X X X	X X X
2.	SERVICES Structural Electrical Instrumentation Soft Dig Utility Piping Finishing	X X	X X X X X X	X X X