

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.: **P0236**

*Reference corresponding project number when submitting a work order

Contract/Project Title: **Replacement of 48-Inch Butterfly Valve and Actuator on Hydrotreaters (Softeners) 9, 10 and 12 at the Alexander Orr Jr. Water Treatment Plant**

Description/Scope of Work: **See Attached**

Estimated Cost: **484000** **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.
6800 SW 87 Avenue, Miami FL 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: _____

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE) See attachment

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
Construction	\$0	0%	Insufficient Availability
G & S	\$	0%	Insufficient Availability
	\$	0%	

RECOMMENDATION

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

Basis for Recommendation: The work involves repair of water softening units by a specialized contractor and having unit responsibility. The softening units are large tanks at an operating water treatment plant with mechanical process mechnisms designed to soften raw water. The replacement of the butterfly valves at the base of the tank must be done in a fashion that will not cause an damage to the hydrotreator assembly, nor the existing tank structure. All products used must be NSF 61 approved (for contact with potable water).

Date submitted to DBD: **12/09/19**

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 Section

Department: Miami-Dade Water and Sewer Department

Contract Title: REPLACEMENT OF 48-INCH BUTTERFLY VALVE AND ACTUATOR ON
HYDROTREATERS (SOFTENERS) 9, 10 AND 12 AT
THE ALEXANDER ORR JR. WATER TREATMENT PLANT

Contract No.: RPQ# P0236

Estimate Amount: \$484,000 [\$440,000 Construction + \$44,000 Contingency]

Funding Source: EW 221, WASD Operating Revenues

**Small Business Enterprise – Construction – “No Measure”
Analysis for Recommendation (Attached)**



Department Head or Authorized Agent

DESCRIPTION OF PROJECT:

The Project consists of furnish and install three (3) 48-inch butterfly valves replacing the existing on the 48-inch ductile iron pipe (DI) influent line for the Softeners 9, 10 and 12 at the Alexander Orr Jr. Water Treatment Plant, located at 6800 SW 87th Ave. Miami FL 33173, Section 28 of Township 54S, Range 40E, Miami-Dade County, Florida.

The Contractor shall furnish and install all materials, supplies and labor, including but not limited to, removing and replacing three 48-inch butterfly valves that control the flow into three separate softener units; excavation in areas with low overhead clearance (approximately 9-feet between ground and effluent duct); exploratory excavation; measuring the lay length of the existing valves to be replaced and ordering the new valve with the same lay length or required by field condition; furnishing and installing flange joint materials; adapters and fitting including restraintment where required; restoration of existing access manhole including new wire mesh, reinforced concreted, top reinforced concrete slab, brick masonry and manhole frame and cover; construction of new operator vault; removal, transport and salvage of existing 48-inch butterfly valve (BFV); making connection to existing wall piece and 45°(degree) bend; 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 and adjacent structures; coordinate with Department personnel; comply with security restriction and safety requirements; replacement pavement damaged during construction; containing leaks from upstream valves; backfilling, compaction and clearing areas; as to not interfere with plant operations; field testing the valves; site restoration; and other appurtenant and miscellaneous item and work for a complete, fully functional and satisfactory installation of the project. bidirectionally

LICENSES & MINIMUM QUALIFICATIONS

A. License Requirements

1. At the time of Bid and pursuant to the requirements of Section 10-3 of the Code of Miami-Dade County, Florida and these Solicitation and Contract Documents, the Bidder must hold a valid, current, and active:
 - a. Certificate of Competency from the County's Construction Trades Qualifying Board as a General Engineering Contractor or as a Pipeline Engineering Contractor. The Pipeline Engineering Contractor shall subcontract with a qualified contractor any work which is incidental to the pipeline specialty but is specified in the aforementioned Code as being the work of other than that of the Engineering Specialty for which certified;
 - or
 - b. Certification, as a General Contractor or as an Underground Utility and Excavation Contractor, provided by the State of Florida Construction Industry Licensing Board, pursuant to the provisions of Section 489.115 of the Florida Statutes

B. Experience

1. In addition to the license requirements in Section 1.01, A above, the Bidder must have a minimum of three (3) years of experience, under its current business name (which can include the experience of key supervisory employees that would man the project), in the construction of projects of similar scope / installation / repair / replacement of main water distribution systems; supported by references for three (3) projects completed within the past five (5) years. Submitted reference Projects must demonstrate that the Bidder served as the Prime Contractor for the referenced Projects provided.
2. The Bidder must demonstrate that it has full-time personnel with the necessary experience to perform the Project's Scope of Work. This experience shall include work in successfully completed projects performed by the identified personnel whose bulk of work performed in the public right-of-way is similar in detail to the Project's Scope of Work described in these Solicitation Documents. Demonstrate the experience requirement by:
 - a. Providing a detailed description of at least three (3) projects similar in detail to the Project's Scope of Work described in these Solicitation Documents and in which the Bidder's identified personnel is currently engaged or has completed within the past five (5) years. List and describe the aforementioned projects and state whether the work was performed for the County, other government clients, or private entities.

For each project listed, the pipe installation shall have been completed and accepted by the project owner prior to the bid submittal date.

The description must identify for each project:

- 1) The identified personnel and their assigned role and responsibilities for the listed project
- 2) The client name and address including a contact person and phone number for reference
- 3) Description of work
- 4) Total dollar value of the contract
- 5) Contract duration
- 6) Statement or notation of whether Bidder's referenced personnel is/was employed by the prime contractor or subcontractor, and

- 7) For completed projects, provide letters of certification of final acceptance or similar project closure documentation issued by the client and available Contractor's performance evaluations.
3. The County reserves the right to request additional information and/or contact listed persons pertaining to bidder's experience.

Analysis for Recommendation
No Measure – Due to insufficient availability

Item	Description	Estimated Cost	% of Item to Base Bid	SBE Availability
1	Mobilization	\$44,000	9.1%	
2	Furnishing 48" flanged butterfly valves and flanged joint materials	\$90,000	18.6%	
3	Installing all items furnished under Item 2 and all sheeting and shoring to protect adjacent structures	\$240,000	49.6%	
4	For all other cost to complete the project, including restoration of adjacent facilities damaged during the work.	\$66,000	13.6%	
9	SUB-TOTAL	\$440,000	90.9	
10	Contingency Allowance	\$44,000	9.1%	
11	SBE-TOTAL	\$506,000	100.0%	

Community Workforce Program: CWP is not applicable.

**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 Section

Department: Miami-Dade Water and Sewer Department

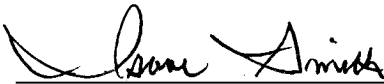
Contract Title: REPLACEMENT OF 48-INCH BUTTERFLY VALVE AND ACTUATOR ON
HYDROTREATERS (SOFTENERS) 9, 10 AND 12 AT
THE ALEXANDER ORR JR. WATER TREATMENT PLANT

Contract No.: RPQ# P0236

Estimate Amount: \$484,000 [\$440,000 Construction + \$44,000 Contingency]

Funding Source: EW 221, WASD Operating Revenues

**Small Business Enterprise – G & S - “No Measure”
Analysis for Recommendation (Attached)**



Department Head or Authorized Agent

DESCRIPTION OF PROJECT:

The Project consists of furnish and install three (3) 48-inch butterfly valves replacing the existing on the 48-inch ductile iron pipe (DI) influent line for the Softeners 9, 10 and 12 at the Alexander Orr Jr. Water Treatment Plant, located at 6800 SW 87th Ave. Miami FL 33173, Section 28 of Township 54S, Range 40E, Miami-Dade County, Florida.

CONSIDERATIONS FOR ANALYSIS:

1. The Contractor shall furnish and install all materials, supplies and labor, including but not limited to, removing and replacing three 48-inch butterfly valves that control the flow into three separate softener units.
2. Excavation in areas with low overhead clearance (9-feet).
3. Due to the specialized nature of application, the Department prefers for the prime contractor to maintain unit responsibility over the work and assume all liability during the valve and actuator replacement on the hydrotreater units..