

**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.:** **P0223**

\*Reference corresponding project number when submitting a work order

**Contract/Project Title:**    **Downtown Doral PS0014 Reconstruction Sanitary Sewage pump Station**

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

**Estimated Cost:**    **-2569208**                      **Funding Source:**    **Other (specify)**

**Location of Project** (street address or beginning and ending points) i.e. 12345 NE 23<sup>rd</sup> Ct or Starts at 135 St. ends at 145 St.  
**Pump Station 14 is located at 8340 NW 54TH Street, in Section 22, Township 53, Range 40 East, City of Doral, Florida 33174**

**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 pursuant to Resolution R-819-18 (attached).

**PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE)**    See attachment

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
<b><u>Construction</u></b>	\$438,050	15.5%	
<b><u>G &amp; S</u></b>	\$113,045	4.00%	
	\$	0%	

**RECOMMENDATION**

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

**Basis for Recommendation:** **(See attached).**

**Date submitted to DBD:** **04/18/19**

**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, Sr. Program Manager  
Construction Contracts Section

Department: Miami-Dade Water and Sewer Department

Contract Title: Downtown Doral PS0014 Reconstruction Sanitary Sewage pump Station

Contract No.: P0223

Base Estimate \$2,569,208

Funding Source: EW 660, WASD Revenue Bonds Sold

**Small Business Enterprise – Construction – 15.5%**  
**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 work consists of furnishing all materials, labor, and equipment necessary to Upgrade Sewage Pump Station No. 14, including, but not limited to, excavation, demolition and modification work including removal of existing dry well pumps, motors, valves, piping (suction and discharge) and fittings; partially remove and abandon existing dry well, manhole and wet well; Removal existing generator building, concrete slab, and not structural element including a licensed Asbestos Abatement Contractor as an OSHA Work Class II activity requiring adherence to the OSHA controls documentation, work practices, etc.; removal, transport, salvage and legal disposal of demolition material and equipment; Removal existing 6-foot high deco wall and replace it for 6' high fence with two (2) 12-foot access gate and one (1) 4-foot access gate; Remove and Relocate as required: palm trees, bush, existing water meter and connect line to existing service, existing RTU antenna; furnish, installation, operation, maintenance and removal of temporary sewage effluent by-pass pumps, providing 24 hours manned by pass pumping with primary and backup pumps; The project consist of constructing the two (2) wet wells, dry well and new manhole, including the design and construction of a cofferdam structure and concrete tremie seal and all required sheeting shoring and dewatering, furnish and install two (2) wet well and dry well concrete top slab; new 8-foot diameter manhole structure concrete and concrete top slab; furnish and install aluminum access hatches for two (2) wet well and dry well as shown on plans, emergency connection; furnish and install new two (2) Wet Well with a concrete protecting coating; furnish and install fans, blowers, ventilators and appurtenance, complete and operable as shown on plans; rehabilitation work to the existing receiving manholes upstream of the Pump Station 0014; furnish and install two (2) 3,100 gpm centrifugal vertical non-clog pumps and two (2) 150 HP, 900 RPM, 480 Volts motors and VFD combination related equipment; furnish and install two (2) flow meters system and related equipment in the vertical

rising 12-inch discharge pipe; furnish and install new meter and main disconnect; furnish and install the proposed power/control system inclusive of the necessary electrical panel, enclosure, telemetry system and related equipment; install electrical conduits and junction boxes; install R.T.U. panel and S.C.A.D.A. equipment furnished by the Department; furnish and install a stationary engine-generator system and provide all equipment necessary in order to provide proper operation including all required synchronizing and transfer functions of the system but not necessarily be limited to day tank, muffler, exhaust pipe and supports, engine, generator; furnish and install a complete diesel fuel storage system to provide storage tank of 2,000 gallons of diesel fuel, access stairwells, and platform, tank mounting (reinforcement concrete slab upon the manufacturer's recommendations) and restraint system and fuel supply and return piping to/from the diesel fuel day tank as shown on the Contract Drawings; electrical work; mechanical work; furnish all materials, equipment and supplies necessary for pump station startup and testing; furnish and install sewage force main pipe and fittings; connection to existing sewage force main; replacement of any sod, sidewalk, pavement damaged during construction; site restoration; and other appurtenant and miscellaneous items for a complete, satisfactory and functional installation.

Pumping Station No.14 is located at 8340 NW 54TH Street, in Section 22, Township 53, Range 40 East, City of Doral, Florida 33174.

**LICENSES:** The types of licenses required are: State General Contractor (Prime), General Engineering Contractor (Prime), General Mechanical(sub), Demolition(Sub), Air Conditioning(Sub), Paving (Sub, Plumbing – Master (Sub), Underground Utility Excavation (Sub), Electrical (High Voltage) (Sub), Asbestos Abatement Contractor (Sub) and/or other categories as applicable by Chapter 489 of the Florida Statutes or Chapter 10 of Miami-Dade County Code.

**SPECIAL CONDITIONS:**

- A. The Contractor should be aware of the presence of Asbestos Containing Material (ACMs). The contractor must provide the FDEP with written notification of planned removal activities at least 10 working days prior to the commencement of asbestos abatement activities. Removal of ACM and/or RACM must be conducted by a State of Florida licensed asbestos abatement contractor.
- B. Contractor shall coordinate the removal and inspection of all existing (ACM) and provide the services of a qualified and licensed Asbestos Abatement Contractor to safely and legally remove all the existing asbestos-containing material. (Asbestos Report is available in Appendix L). Payment shall be included in the demolition item, at no cost to the Department.
- C. Contractor is advised of the proximity of the existing building to the proposed dry well/ wet well structures. The shoring system shall be designed by a professional Engineer and constructed by a specialty contractor. Contractor shall submit shop drawing and calculations signed and sealed by a state of Florida Licensed Professional Engineer. See Section 01 33 00 "Shop Drawings, Product Data and Samples".

**COMMUNITY WORKFORCE PROGRAM**

**CWP PARTICIPATION: Not Applicable, project is not located in a DTA.**

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

From: Isaac Smith, Sr. Program Manager  
Construction Contracts Section

Department: Miami-Dade Water and Sewer Department

Contract Title: Downtown Doral PS0014 Reconstruction Sanitary Sewage pump Station

Contract No.: P0223

Base Estimate \$2,569,208

Funding Source: EW 660, WASD Revenue Bonds Sold

**Small Business Enterprise – Goods & Services – 4.00%**

**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 work consists of furnishing all materials, labor, and equipment necessary to rehabilitate Pump Station 014 which includes two (2) 3,100 gpm centrifugal vertical non-clog pumps and two (2) 150 HP, 900 RPM, 480 Volts motors and Variable Frequency Drives (VFDs). Pumping Station No.14 is located at 8340 NW 54TH Street, in Section 22, Township 53, Range 40 East, City of Doral, Florida 33174.

**CONSIDERATIONS FOR ANALYSIS:**

1. The project involves construction and upgrades to an existing very large sewage pump station. This undertaking includes furnishing and installation of very large, expensive equipment, such as: 150 horsepower pumps and motors with variable frequency drives, medium voltage switchgear and motor control centers
2. The project involves the synchronization of multiple processes, remote telemetry and providing the services of a systems integrator.
3. The upgrade of Pump Station 14 requires highly skilled trades with special equipment. However, the Small Business Opportunities identified for this project include general site work (i.e., site clearing, grubbing and grading), yard piping, landscaping, masonry walls, roofing, doors, painting, plumbing, fence, sodding, sidewalk, pavement and HVAC.

