

**DEPARTMENTAL INPUT
CONTRACT MEASURE ANALYSIS AND RECOMMENDATION**

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

**RESUBMITTED
03-13-2014**

From: Isaac Smith, Manager
Construction Contracts Section

Department: Miami-Dade Water and Sewer Department

Contract Title: Central District Wastewater Treatment Plant
Industrial Waste Deep Injection Well System

Contract No.: S-869

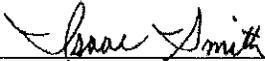
Estimate Amount: \$20,538,006 (See Breakdown below)

[17,940,050 Construction + \$1,794,005 Contingency + \$803,951 Dedicated Allowance]

Funding Source: EW 658, WASD Revenue Bonds Sold

CSBE GOAL -0% (No availability)

Analysis for Recommendation (SEE NEXT PAGE)



Department Head or Authorized Agent

DESCRIPTION OF PROJECT:

The work of Contract No. S-869 is for the construction of industrial waste deep injection wells at the Central District Wastewater Treatment Plant located in Virginia Key, 3851 Rickenbacker Causeway, Section 16, Township 54, Range 42, Miami-Dade County, Florida 33149.

This project consists of furnishing all materials, labor and equipment necessary to construct an injection well approximately 10,000 feet deep and a second (redundant) injection well to approximately 3,500 feet deep, complete. The project also includes, but is not limited to, constructing drilling pilot holes, monitoring well, furnishing and installing all required steel casing and reinforced fiber pipe (FRP) tubing, well development, environmental monitoring, all required testing and startup; and all other appurtenant and miscellaneous items and work for a complete, functional and satisfactory installation.

QUALIFICATIONS OF BIDDERS:

1. The Bidder shall submit written evidence of its qualifications and ability to begin construction, to perform in a satisfactory manner, and to complete all of the work covered by the Contract within the time specified in the Solicitation. A Bidder shall submit proof of at least three (3) similar projects within the past 5 years involving drilling of Floridan Aquifer wells and/or UIC permitted injection wells with 24 inch OD casing cemented to a depth of at least 2,500 feet below land surface. Specialized testing activities including coring, inflatable packer testing, mechanical integrity testing, cement bond logging, temperature logging and water quality sampling must have been completed to demonstrate relevant experience. Failure to submit this information with the bid may be cause for the Bidder to be deemed non-responsive.

2. The bidder shall submit, among other things, specifically name of the proposed superintendent, driller, logger, and detailed information identifying the above mentioned and all personnel to be utilized on this project and written evidence with respect to the following:

General Requirements

- a. That the bidder has a trained and competent organization, which has done work of similar character and value;
 - b. That the bidder will have available to do the work at the proper time or times, adequate equipment and facilities, listing such equipment and facilities in such detail that they can quickly and accurately checked;
 - c. That the bidder has sufficient repair parts and supplies to maintain all equipment and facilities properly and with a minimum of delay;
 - d. That the bidder has experience in drilling in the geologic formations of South Florida penetrated by the County's wells; including drilling to depths greater than 2,500 feet below land surface;
 - e. That the bidder has experience in working with wells under the high artesian pressures that will be encountered in the wells in South Florida;
 - f. That the bidder must use a Subcontractor who holds a license from the Florida HRS Bureau of Radiation Control for the required geophysical logging that will be performed under this Contract;
 - g. That the logging vehicle is licensed by the Florida Department of Transportation for the of radioactive materials; and
 - h. That the driver of the logging vehicle has a Commercial Driver's License with an "H" endorsement for radioactive materials.
3. The bidder shall submit evidence that the drill rig will meet the following requirements:
 - a. American Petroleum Institute (API) rated to meet hook load requirements to successfully complete the project;
 - b. Capable of setting up over a minimum of a Class III Blow Out Preventer stack (which includes and not limited to a rotating head, bag blow out preventer, shear ram, pipe ram and choke with kill ports);
 - c. 4-gas monitoring system with alarm (below derrick floor, at the derrick floor and at circulation end); and
 - d. Lifting devices must be suitable for all construction and testing activities (which includes and not limited to drilling, casing and tubing elevators, links and cables).

LICENSES:

The Types of Licenses required are: State of Florida General Contractor and State of Florida Drillers license.

CWP IS NOT APPLICABLE

Analysis for CSBE Recommendation				
Recommendation – No Goal				
Item	Sub-Trade	Estimated Cost	% of Item to Base Bid	CSBE Availability
1.	Mobilization: Injection Well CDIW-1	\$ 850,000	4	
2.	Construction – Well CDIW-1: Reaming, Drilling, Geophysical & Specialty logging, Casing, Cement, Video survey and Injection testing	\$ 9,666,300	49	
3.	Mobilization: Dual Zone Monitor Well CDIDZMW-1	\$ 150,000	1	
4.	Construction – Monitor Well CDIDZMW-1: Reaming, Pilot Holes, Drilling, Specialty logging, Tubing, Cement, Video survey and Well development	\$ 1,338,400	7	
5.	Mobilization: Injection Well CDIW-2 (Redundant Injection Well)	\$ 425,000	2	
6.	Construction – Well CDIW-2: Reaming, Drilling, Geophysical & Specialty logging, Casing, Cement, Video survey and Injection testing	\$ 5,510,350	28	
	SUB-TOTAL	\$17,940,050		
	Contingency (10%)	\$ 1,794,005	9	
	TOTAL FOR CSBE (Subtotal & Contingency)	\$19,734,055	100	
	Total Dedicated Allowance Total	\$ 803,951		
	PROJECT TOTAL	\$20,538,006		

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-869

*Reference corresponding project number when submitting a work order

Contract/Project Title: Central District Wastewater Treatment Plant
Industrial Waste Deep Injection Well System

Description/Scope of Work: See Attached

Estimated Cost: 20538006 **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.
3851 Rickenbacker Causeway, Miami-Dade County, 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:Funding Source EW 658, WASD Revenue Bonds Sold

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE) See attachment

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
0	\$	0%	
0	\$	0%	
0	\$	0%	

RECOMMENDATION

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

Basis for Recommendation: Lack of availability among CSBE subcontractors.

Date submitted to DBD: 01/16/2014

Contact Person: Isaac Smith

Telephone No.: 786-268-5196



Small Business Development Division Project Worksheet

Project/Contract Title: CENTRAL DISTRICT WASTEWATER TREATMENT PLANT INDUSTRIAL WASTE DEEP INJECTION WELL SYSTEM
Project/Contract No: S-869
Department: WATER & SEWER DEPARTMENT
Estimated Cost of Project/Bid: \$19,983,112.00

Received Date: 01/17/2014
Funding Source: EW 658/WASD REVENUE BONDS SOLD
Resubmittal Date(s):

Description of Project/Bid: The work of Contract No. S-869 is for the construction of industrial waste deep injection wells at the Central District Wastewater Treatment Plant located in Virginia Key, 3851 Rickenbacker Causeway, Section 16, Township 54, Range 42, Miami-Dade County, Florida 33149. This project consists of furnishing all materials, labor and equipment necessary to construct an injection well approximately 10,000 feet deep and a second (redundant) injection well to approximately 3,500 feet deep, complete. The project also includes, but is not limited to, constructing drilling pilot holes, monitoring well, furnishing and installing all required steel casing and reinforced fiber pipe (FRP) tubing, well development, environmental monitoring, all required testing and startup; and all other appurtenant and miscellaneous

Contract Measure Recommendation		
Measure	Program	Goal Percent
No Measure	CSBE	

Reasons for Recommendation

An analysis of the factors of the trade required for this contract, as well as an analysis of the availability of CSBEs revealed insufficient availability. Verification of Availability to Bid Letters were sent to CSBE certified firms. There were no responses from any of the firms indicating that they were able to meet the project's requirements. This project is primarily a single trade contract with special requirements for bidders to hold a license from the Florida HRS Bureau of Radiation Control and Well Drilling Contractor. CWP Not Applicable: Not in DTA

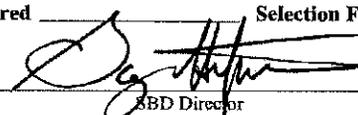
Trade Category: 237990-Other Heavy And Civil Engineering Construction

Small Business Contract Measure Recommendation				
Subtrade	Cat.	Estimated Value	% of Items to Base Bid	Availability
Other Heavy and Civil Engineering Construction	CSBE			757
Total				

Living Wages: YES NO
 Highway: YES NO
 Heavy Construction: YES NO

Responsible Wages: YES NO
 Building: YES NO

Responsible Wages and Benefits applies to all construction projects over \$100,000 that do not utilize federal fund. For federally funded projects, unless prohibited by federal or state law or disallowed by a governmental funding source, the HIGHER wage between Davis Bacon and Responsible Wages and Benefits shall apply.

REVIEW RECOMMENDATION			
Tier 1 Set Aside _____	Tier 2 Set Aside _____		
Set Aside _____	Level 1 _____	Level 2 _____	Level 3 _____
Trade Set Aside (MCC) _____	Goal _____	Bid Preference _____	
No Measure _____	Deferred _____	Selection Factor _____	
CWP _____	 SBD Director		1/31/14 Date