

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-934A

*Reference corresponding project number when submitting a work order

Contract/Project Title: Miami Springs Wellfield Rehabilitation - Step 1

Description/Scope of Work: See Attached

Estimated Cost: 5158768 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.
650 Curtiss Parkway, Miami Springs, FL 33166**

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
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:Availability among SBE subcontractors.

Date submitted to DBD:09/22/2016

Contact Person:Isaac Smith

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**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: MIAMI SPRINGS WELLFIELD REHABILITATION - STEP 1
PRODUCTION WELLS – MS-01 through MS-23

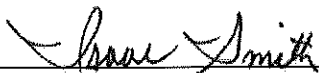
Contract No.: W-934A

Estimate Amount: \$5,158,768.10 [\$3,658,200 Construction + \$365,820 Contingency Allowance +
\$1,134,748.10 Dedicated Allowance]

Funding Source: EW 252, Rock Mining Construction Fund

**Small Business Enterprise – Construction – No Measure
Small Business Enterprise – Goods & Services – No Measure**

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 2-8.1.12 of the Code, entitled Miami-Dade Water and Sewer Department Consent Decree and Capital Improvement Programs Accelerate Ordinance.

The project consists of the rehabilitation/replacement and/or plug and abandonment of twenty three (23) Biscayne Aquifer production wells within the Miami Springs/Hialeah Wellfield, located at 650 Curtiss Parkway, Miami Springs, FL 33166

The scope of work consists of providing all material, labor and equipment necessary for the following:

1. Construction of twelve (12) 14-inch diameter and four (4) 30-inch diameter Biscayne aquifer production wells with a total depth of approximately 115 feet.
2. Well rehabilitation of two (2) 14-inch diameter production wells with a total depth of approximately 115 feet.
3. Well rehabilitation of two (2) 30-inch diameter production wells with a total depth of approximately 115 feet.

4. Plug and abandonment of eighteen (18) 14-inch diameter Biscayne aquifer production wells to a depth of 115 feet.
5. Well development, plumb and alignment, water production and quality testing, disinfection and bacteriological clearance of the twenty (20) newly constructed and rehabilitated production wells.
6. The project also consists of plug and abandonment of one (1) pre-existing assumed to be improperly plugged and abandoned 14-inch production well at the Miami Springs Well No.14 site. Contractor shall conduct all necessary work to determine the size and dimensions of this existing well. This well shall be plugged and abandoned prior to the rehabilitation efforts associated with the 30-inch diameter production well. The Contractor will be responsible to remove the existing 16-inch pipe that is located above the entry point well to be plugged and abandoned.
7. Fluid Management for water discharges in accordance with the Contract Documents.

COMMUNITY WORKFORCE PROGRAM

CWP PARTICIPATION: Not Applicable, as project is not within a Target Area.

ANALYSIS FOR SBE-CONSTRUCTION:

1. This project involves rehabilitation of 23 water production wells within the Miami-Dade Water and Sewer Department's Miami Springs Lower and Upper Wellfield.
2. This is highly specialized raw water production well rehabilitation work. The bidder shall be required to be experienced in well construction, plugging and abandonment, well development, water production and quality testing, disinfection and bacteriological testing.
3. DRILLER QUALIFICATIONS
 - A. The Bidder must provide as part of their references a minimum of three (3) similar projects performed within the last ten (10) years. The Bidder must also state their proposed project manager by name and a list a minimum of two (2) similar projects managed by him/her with references along with his/her resume. Each project must be under a different contract. Only Bidders including their project manager with the capabilities and experience on similar projects will be considered qualified for bid consideration. The successful Bidder cannot replace their project manager without providing a suitable replacement which is determined under the sole discretion of the Department.
 - B. The Bidder must submit current Florida well-drilling licenses.
 - C. The Bidder must provide written confirmation as to the availability of two (2) drill rigs throughout the project. The drill rigs shall be of adequate size to perform the work contemplated.
4. **A "No Measure" determination is recommended for this project.**

Miami Springs Wellfield Rehabilitation - Step 1

Contract No. S-934A

SBE -CONSTRUCTION PARTICIPATION ANALYSIS

Recommendation - No Measure

Item	Sub-Trade	Subtotals	Estimated Cost	% of Item to Base Bid
1.	MS - 01 Production Well		\$ 188,000.00	5.1%
	Mobilization	\$ 65,000.00		
	Construction & Testing	\$ 108,000.00		
	Abandonment of Old Well	\$ 15,000.00		
2.	MS - 02 Production Well		\$ 56,000.00	1.5%
	Mobilization	\$ 25,000.00		
	Well Rehabilitation	\$ 31,000.00		
3.	MS - 03 Production Well		\$ 188,000.00	5.1%
	Mobilization	\$ 65,000.00		
	Construction & Testing	\$ 108,000.00		
	Abandonment of Old Well	\$ 15,000.00		
4.	MS - 04 Production Well		\$ 239,000.00	6.5%
	Mobilization	\$ 70,000.00		
	Construction & Testing	\$ 154,000.00		
	Abandonment of Old Well	\$ 15,000.00		
5.	MS - 05 Production Well		\$ 188,000.00	5.1%
	Mobilization	\$ 65,000.00		
	Construction & Testing	\$ 108,000.00		
	Abandonment of Old Well	\$ 15,000.00		
6.	MS - 06 Production Well		\$ 69,000.00	1.9%
	Mobilization	\$ 25,000.00		
	Well Rehabilitation	\$ 44,000.00		
7.	MS - 07 Production Well		\$ 188,000.00	5.1%
	Mobilization	\$ 65,000.00		
	Construction & Testing	\$ 108,000.00		
	Abandonment of Old Well	\$ 15,000.00		
8.	MS - 08 Production Well		\$ 239,000.00	6.5%
	Mobilization	\$ 70,000.00		
	Construction & Testing	\$ 154,000.00		
	Abandonment of Old Well	\$ 15,000.00		

9.	MS - 09 Production Well Mobilization Abandonment of Old Well	\$ 25,000.00 \$ 15,000.00	\$ 40,000.00	1.1%
10.	MS - 10 Production Well Mobilization Construction & Testing Abandonment of Old Well	\$ 65,000.00 \$ 108,000.00 \$ 15,000.00	\$ 188,000.00	5.1%
11.	MS - 11 Production Well Mobilization Well Rehabilitation	\$ 65,000.00 \$ 63,000.00	\$ 128,000.00	3.5%
12.	MS - 12 Production Well Mobilization Construction & Testing Abandonment of Old Well	\$ 65,000.00 \$ 108,000.00 \$ 15,000.00	\$ 188,000.00	5.1%
13.	MS - 13 Production Well Mobilization Construction & Testing	\$ 60,000.00 \$ 97,000.00	\$ 157,000.00	4.3%
14.	MS - 14 Production Well Mobilization Well Rehabilitation Abandonment of Old Well	\$ 25,000.00 \$ 44,000.00 \$ 15,000.00	\$ 84,000.00	2.3%
15.	MS - 15 Production Well Mobilization Construction & Testing Abandonment of Old Well	\$ 65,000.00 \$ 108,000.00 \$ 15,000.00	\$ 188,000.00	5.1%
16.	MS - 16 Production Well Mobilization Construction & Testing Abandonment of Old Well	\$ 65,000.00 \$ 108,000.00 \$ 15,000.00	\$ 188,000.00	5.1%
17.	MS - 17 Production Well Mobilization Construction & Testing Abandonment of Old Well	\$ 65,000.00 \$ 108,000.00 \$ 15,000.00	\$ 188,000.00	5.1%
18.	MS - 18 Production Well Mobilization Construction & Testing Abandonment of Old Well	\$ 70,000.00 \$ 152,000.00 \$ 15,000.00	\$ 237,000.00	6.5%

19.	MS - 19 Production Well		\$ 237,000.00	6.5%
	Mobilization	\$ 70,000.00		
	Construction & Testing	\$ 152,000.00		
	Abandonment of Old Well	\$ 15,000.00		
20.	MS - 20 Production Well		\$ 188,000.00	5.1%
	Mobilization	\$ 65,000.00		
	Construction & Testing	\$ 108,000.00		
	Abandonment of Old Well	\$ 15,000.00		
21.	MS - 21 Production Well		\$ 40,000.00	1.1%
	Mobilization	\$ 25,000.00		
	Abandonment of Old Well	\$ 15,000.00		
22.	MS - 22 Production Well		\$ 188,000.00	5.1%
	Mobilization	\$ 65,000.00		
	Construction & Testing	\$ 108,000.00		
	Abandonment of Old Well	\$ 15,000.00		
23.	MS - 23 Production Well		\$ 40,000.00	1.1%
	Mobilization	\$ 25,000.00		
	Abandonment of Old Well	\$ 15,000.00		
24.	Additional Well Development		12200	0.3%
	Standby Time		12000	0.3%
25.	SBE - TOTAL		\$ 3,658,200.00	100.0%
26.	Dedicated Allowances		\$ 1,134,748.10	
27.	Contingency Allowance		\$ 365,820.00	
28.	TOTAL PROJECT COST		\$ 5,158,768.10	

ANALYSIS FOR SBE-GOODS & SERVICES:

1. This project involves construction, rehabilitation and testing of 23 existing raw water Biscayne Aquifer production wells within the Miami Springs Well Field. Where applicable and if approved by the Department, it may be required to plug and abandon a well.
2. The Department has evaluated the project for possible opportunities for participation in the area of SBE – Goods and Services. The work consists of well drilling, well rehabilitation, well development, plug and abandonment, fluid management, well grouting and testing which consist of specialized construction and testing. Based on the scope and nature of the work, we have concluded that there are no opportunities for participation in this project, as this project involves no excavations nor disturbance and restoration of surface features.
3. **A “No Measure” determination is recommended for this project.**

Analysis for Small Business Enterprise – Goods and Services Recommendation				
Item	Goods & Services	Prime Contractor	Sub-Contractor	SBE Availability
1.	GOODS: Well casing Grout	X X		
2.	SERVICES Well Construction Fluid Management Well Development	X X	X	