

**DEPARTMENTAL INPUT  
CONTRACT MEASURE ANALYSIS AND RECOMMENDATION**

To: Jack Osterholt, Director  
SPEED, Business Development Division

From: Leo Vargas, OCI Supervisor  
Procurement Section.

Department: Miami-Dade Water and Sewer Department

Contract Title: RPQ P0086 Mechanical Integrity Testing (MIT) Repair IW-13 Thru IW-17 SDWWTP  
IW-1N Thru IW-4N NDWWTP

Contract No.: CICC7360-0/08

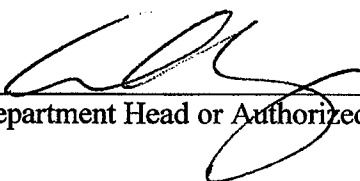
Estimate Amount: \$1,975,500 (\$1,975,000 + \$256,815) Contingency and Dedicated Allowances

Account Funds:

<b>RECOMMENDATION</b>
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**Analysis for Recommendation**

Item	Description	Estimated Cost	% of Item to Base Bid	CSBE Availability
1.	This project consists of all materials and labor to complete the testing and repairs of the Monitoring Wells (See Attached)	\$1,975,500.00	87%	
2.	Dedicated Allowance	\$59,265.00	3%	
3.	Contingency Allowance	\$197,550.00	10%	
4.	TOTAL	\$2,232,315.00	100%	

  
 \_\_\_\_\_  
 Department Head or Authorized Agent

## **MECHANICAL INTEGRITY TESTING (MIT) REPAIR**

### **1.00 SCOPE**

The project consists of furnishing all labor, materials and equipment to perform mechanical integrity testing of twenty one (21) existing Floridan Aquifer injection wells including cleaning, video surveying, and gamma logging; complying with security restrictions; remove nine (9) existing 24-inch gate valves; and furnish and install nine (9) new 24-inch butterfly valves [(5) five butterfly valves at South District and (4) four butterfly valves at North District]; sand the outside of the existing piping inside the 5 foot-deep concrete pits at 5 pits in South District and 4 pits at North District, coat the outside of piping with an epoxy such as Bitumastic 300M, then encase it in PVC pipe sleeve, and fill the annular space with grout to prevent further corrosion of the portion of the pipe inside the pits; paint the outside of the PVC sleeve with acrylic latex paint; caulk around the outside of sleeve where it meets the concrete; and all associated and appurtenant items and work as specified herein and as required by the Department during the course of the Contract. The work shall be performed first at the Department's South District Waste Water Treatment Plant, 8950 SW 232 Street, Section 21, Township 56, Range 40; and after completion there, at the Department's North District Waste Water Treatment Plant, 2575 NE 151 Street, Section 16, Township 52, Range 42; Miami-Dade County, Florida.

**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.:** P0086

\*Reference corresponding project number when submitting a work order

**Contract/Project Title:** MECHANICAL INTEGRITY TESTING, REPAIR IW-13 THRU IW-17 SDWWTP IW-1N THRU IW-4N NDWWTP

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

**Estimated Cost:** \$2,232,315      **Funding Source:** General funds

**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.  
NDWWTP AND SDWWTP

**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
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:** This project was previously done as a One Shot through DPM due to the lack of Contractors in this trade. Water & Sewer Engineering is recommending it be done through the MCC7360 Plan.

**Date submitted to DBD:** 10/23/2012

**Contact Person:** Jose Vilaboy

**Telephone No.:** 786-552-8056

Estimate 10/22/12

Der Ming Kw  
David Vaigues

QUOTATION FOR  
MECHANICAL INTEGRITY TESTING  
OF DEEP INJECTION WELLS AND  
ASSOCIATED SERVICES AT VARIOUS SITES

RPQ P0086

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>Unit Price</u>	<u>Total</u>
1.	21 Each	For furnishing all materials, labor and equipment, and for suppressing the well differential back pressure in the injection well, as required for all phases of the mechanical integrity testing, complete, the price each of  13,000 Dollars and _____ Cents (\$ _____) (\$ _____)		273,000 \$ _____
2.	21 Each	For furnishing all materials, labor and equipment, and for cleaning the interior casing of the injection well, for its entire length, complete, the price each of  11,000 Dollars and _____ Cents (\$ _____) (\$ _____)		231,000 \$ _____
3.	21 Each	For furnishing all materials, labor and equipment, and pressure test the interior casing of the injection well, for its entire length, including packer integrity test, moving the packer device for 2 times, if required, and pressurizing the casing 2 times, if required, the price each of  20,000 Dollars and _____ Cents (\$ _____) (\$ _____)		420,000 \$ _____

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>Unit Price</u>	<u>Total</u>
4.	10 Each (Contingent Item)	For furnishing all materials, labor and equipment to reposition the packer and repressurize the interior well casing in addition to that covered in Item 3, if ordered by the Engineer, price each of  _____ 10,000 _____ Dollars and _____ Cents (\$ _____) (\$ _____)		\$ 100,000
5.	21 Each	For furnishing all materials, labor and equipment, and perform a radioisotope survey of an injection well, price each of  _____ 19,000 _____ Dollars and _____ Cents (\$ _____) (\$ _____)		\$ 399,000
6.	40 Hours (Contingent Item)	For furnishing all materials, labor and equipment for performing additional radioisotope survey in addition to that covered in Item 5, if ordered by the Engineer, the price per hour of  _____ 1,000 _____ Dollars and _____ Cents (\$ _____) (\$ _____)		\$ 40,000
7.	21 Each	For furnishing all materials, labor and equipment, and perform a closed circuit television survey of an injection well, including the interior casing for its full length and the open borehole to its depth, the price each of  _____ 9,000 _____ Dollars and _____ Cents (\$ _____) (\$ _____)		\$ 189,000
8.	100 Hours (Contingent Item)	For waiting time and standby time not included in other items, when ordered and approved by the Engineer and as specified, the price per hour of  _____ 100 _____ Dollars and _____ Cents (\$ _____) (\$ _____)		\$ 10,000

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>Unit Price</u>	<u>Total</u>
9.	<sup>9</sup> <del>10</del> valves Each	For removing existing 24-inch gate valves and appurtenances at the base of the well head, will be paid for at the unit price bid times the number of valves removed and accepted by the Engineer. The price each of  _____ 2,000 _____ Dollars and _____ Cents (\$ _____) \$ _____		\$ 18,000
10.	<sup>9</sup> <del>10</del> valves Each	For furnishing and installing 24-inch butterfly valves and appurtenances at the base of the well head, will be paid for at the unit price bid times the number of valves installed and accepted by the Engineer. The price each of  _____ 10,000 _____ Dollars and _____ Cents (\$ _____) \$ _____		\$ 90,000
11.	<sup>9</sup> <del>10</del> locations Each	For providing all materials, equipment, and labor and preparatory work and operations in valve heads including relocation of 1-inch pressure transmitter, plugging existing 1-inch hole, chipping concrete 1-inch deep for embedment of PVC sleeve, sanding outside of existing casing, coating existing casing with bituminous epoxy coating, placing PVC sleeve around casing, filling annular space of casing with grout, caulking upper and lower PVC sleeve all around and painting PVC sleeve with acrylic latex paint, will be paid for at the unit price bid times the number of locations installed and accepted by the Engineer. The cost at each location of  _____ 10,000 _____ Dollars and _____ Cents (\$ _____) \$ _____		\$ 90,000

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>Unit Price</u>	<u>Total</u>
12.	Aggregate Sum	For mobilization at the Department's South District Waste Water Treatment Plant and thereafter, demobilization and re-mobilization at the North District Waste Water Treatment Plant, the aggregate sum of  _____ Dollars and _____ Cent (\$ _____)		100,000  100,000 \$ _____
13.	1 location	For installing electric actuator provided by WASD on the existing 24-inch butterfly valve at injection well IW-4N at NDWWTP, the price of  _____ Dollars and _____ Cents (\$ _____)		2,000  2,000 \$ _____
14.	3 locations Each	For installing three 24-inch magmeters furnished by WASD at wells IW-1N, 3N, AND 4N at NDWWTP, and for providing pipe spools pieces, gaskets, and other appurtenances, will be paid for at the unit price times the number of magmeters, the price each of  _____ Dollars and _____ Cents (\$ _____)		4,500  13,500 \$ _____
15.		<b>Subtotal, Sum of Items 1 through 14</b>		<u>\$ 1,975,500</u>
16.	Approved Permit Fee Reimbursement	For cost of required construction permits and fees, <u>if authorized by the Engineer</u> , the sum of 3% of the <b>Subtotal, Item 15, (.03)X(Subtotal, Item 15)</b>  _____ Dollars and _____ Cents (\$ _____)		59,265  59,265 \$ _____

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>Unit Price</u>	<u>Total</u>
17.	Allowance Account	<b>For unforeseen conditions, for minor construction changes, and for quantity adjustments, if ordered by the Engineer, the sum of 10% of the Subtotal, Item 15, (.10)X(Subtotal, Item 15)</b> <u>197,550</u> Dollars and _____ Cents (\$ _____)		\$ <u>197,550</u>  2,232,315 \$ _____
<b>Total Bid - (Sum of Items 15, 16 and 17)</b>				

NOTE: For a detailed description of each Proposal Item, refer to Section 8.00 of the Specifications entitled "Measurement and Payment".