

Date: August 8, 2017

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

From: William Diaz
Contract Compliance Specialist II
Miami Dade Water & Sewer

Subject: RPQ P0205 Installation of Two Bar Screens in Settlement Tank at CDWWTP

Miami-Dade Water and Sewer Department (WASD) respectfully request that you review the attached recommendation to allow this project to be bid using the CICC7360 Program.

Originally this project was bid under the CICC7040 Program RPQ T2329; only one bid was received where the price was excessive high than our estimated. It has cancelled because of lack of participation. Attached are the required documents, including the scope of work and the detailed breakdown of the project estimated budget.

Summary of Work:

The Project consists of furnishing and installing two perforated screens at the settlement tank effluent channels at CDWWTP Plant #1 and #2 to include, but not limited to:

Plant #1: Construct screen vault structure and cast concrete pad on compacted fill; furnish and install 20-inch DIP, pipe fittings and pipe support; furnish and install 20-inch plug valve and coupling; furnish and install 2 1/2 PVC flushing pipe, valves and fittings; furnish and install self-dumping steel hopper; furnish and install 30" x 30" 304 Stainless steel Slide Gate with wall thimble; install Department furnished screening equipment (Rotamat WAP screening wash press and EscaMax perforated plate screens with control panels; furnish and install aluminum guardrails and grating; furnish and install pipe support and hangers, pull boxes and fittings; furnish and install electrical equipment and materials, conduits, wiring and circuit breakers and make all electrical connections.

Plant #2: Demolish, remove and legal dispose of concrete walls at influent Plant #2; core drill 30" opening for influent flow; construct short wall to block the East flume; construct 8-inch tank top slab and ladder; construct 8-inch concrete slab on compacted fill; furnish and install guard rails; furnish and install construct duct bank; furnish and install light pole; install Department furnished screening equipment (Rotamat WAP screening wash press and EscaMax perforated plate screens with control panels; furnish and install electrical conduits and wiring; furnish and install self-dumping steel hopper; furnish and install aluminum

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guardrails and grating; furnish and install 2 1/2 PVC flushing pipe, valves and fittings; furnish and install underground enclosures with heavy duty bolted cover;

furnish and install pipe support and hangers, pull boxes and fittings; furnish and install electrical equipment and materials, conduits, wiring and circuit breakers; install department furnished perforated screen equipment and make all electrical connections.

B. The project also includes, field locating utilities; excavation in the proximity of plant utilities; providing soft dig location services; complying with security requirements; cleaning and testing; pavement and restoration and all other miscellaneous items and appurtenant work for a complete, functional and satisfactory installation of the project located at the Central District Waste Water Treatment Plant, located in Section 16, Township 54, Range 42, of Miami-Dade County, Florida.

Construction Trades: General Building Contractor, General Engineering, Plant Construction, Sub Contractor: Electrical Contractor.

CSBE Goal – 0% (No Availability) No Goal.

Community Workforce Program is not applicable to this project.

If you require any additional information, please contact:



William Diaz
Contracts Compliance Specialist 2
Miami-Dade Water & Sewer Department
3071 SW 38 Ave, Suite 107-14, Miami, FL 33146
(786) 552-8084 (Phone) (786) 552-8613 (Fax).

Cc: Isaac Smith

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.: **P0205**

*Reference corresponding project number when submitting a work order

Contract/Project Title: **Installation of Two Bar Screens in Settlement Tank at CDWWTP**

Description/Scope of Work: **The Project consists of furnishing and installing two perforated screens at the settlement tank effluent channels at CDWWTP Plant #1 and #2 to include, but not limited to:**

Plant #1: Construct screen vault structure and cast concrete pad on compacted fill; furnish and install 20-inch DIP, pipe fittings and pipe support; furnish and install 20-inch plug valve and coupling; furnish and install 2 1/2 PVC flushing pipe, valves and fittings; furnish and install self-dumping steel hopper; furnish and install 30" x 30" 304 Stainless steel Slide Gate with wall thimble; install Department furnished screening equipment (Rotamat WAP screening wash press and EscaMax perforated plate screens with control panels; furnish and install aluminum guardrails; furnish and install pipe support and hangers, pull boxes and fittings; furnish and install electrical equipment and materials, conduits, wiring and circuit breakers and make all electrical connections.

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B. The project also includes, field locating utilities; excavation in the proximity of plant utilities; providing soft dig location services; complying with security requirements; cleaning and testing; pavement and restoration and all other miscellaneous items and appurtenant work for a complete, functional and satisfactory installation of the project located at the Central District Waste Water Treatment Plant, located in Section 16, Township 54, Range 42, of Miami-Dade County, Florida

Estimated Cost: **423500** Funding Source: **General funds**

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.
3989 Rickenbacker Causeway, Key Biscayne 33179

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: Non CSBE Contractor.

Date submitted to DBD:

Contact Person: WILLIAM DIAZ

Telephone No.: 786-552-8084

DEPARTMENTAL INPUT
CONTRACT MEASURE ANALYSIS AND RECOMMENDATION

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

From: Isaac Smith, OCI Supervisor
Procurement Section.

Department: Miami-Dade Water and Sewer Department

Contract Title: RPQ P0205 Installation of Two Bar Screens in Settlement Tank at CDWWTP

Contract No.: MCC-7360 Program

Estimate Amount: \$ 423,500 [\$385,000 Construction + \$38,500 (10%) Contingency]

Account Funds: ER # 49469

RECOMMENDATION

Analysis for Recommendation

Item	Description	Estimated Cost	% of Item to Base Bid	CSBE Availability
1.	Mobilization & Asphalt Paving	\$24,000.00	5.67%	
2.	Screens installation / control panel, valves, fittings supply and installation.	\$96,500.00	22.79%	
3	Structure modification, new contract structure at plant #1 and # 2	\$174,500.00	41.20%	
4	Electrical parts/panels and conduits installation at Plant #1 & #2	\$90,000.00	21.25%	
5	Sub Total	\$385,000.00		
6	Allowance	\$38,500.00	10%	
7	TOTAL	\$423,500.00	100%	

Department Head or Authorized Agent.

**MIAMI DADE WATER AND SEWER DEPARTMENT
CENTRAL DISTRICT WASTEWATER TREATMENT PLANT
INSTALLATION OF TWO PERFORATED SCREENS AT SETTLEMENT TANK EFFLUENT CHANNEL AT PLANT #1 & #2 (ER-49469)**

PM: Der-Ming Kuo
Date: 7/17/2017

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE w./ Tax		Material/ Labor O&P
1) CIVIL						
	MOBILIZATION	1	EA	\$20,000		\$20,000
	ASPHALT PAVING TO 1.5" DEPTH WITH 6" SUBGRADE	200	SF	\$20		\$4,000
					<i>SUBTOTAL</i>	\$24,000
2) MECHANICAL						
	SCREENS INSTALLATION (SCREENS AND CONTROL PANEL PROVIDED BY WASD)	2	EA	\$20,000		\$40,000
	30"X30" 304 S.S. SLIDE GATE WITH WALL THIMBLE	2	EA	\$8,000		\$16,000
	SUPPLY SCREEN HOPPER	2	EA	\$1,000		\$2,000
	20" DI PIPE/FITTING SUPPLY AND INSTALLATION	40	LF	\$300		\$12,000
	20" PLUG VALVE SUPPLY AND INSTALLATION	1	EA	\$12,000		\$12,000
	20" BUTERFLY VALVE & ONE SPOOL PIECE	1	EA	\$8,000		\$8,000
	20" COUPLING SUPPLY AND INSTALLATION	1	EA	\$4,000		\$4,000
	BRACKET PIPE SUPPORT	1	EA	\$1,000		\$1,000
	2.5" PVC FLUSHING PIPING/FITTING/VALVE SUPPLY AND INSTALLATION	50	LF	\$30		\$1,500
					<i>SUBTOTAL</i>	\$96,500
3) STRUCTURE						
	STRUCTURE MODIFICATION (CUT DIVIDING WALL AND CORE DRILL TWO 30" DIA. HOLES)	1	EA	\$10,000		\$10,000
	NEW CONCRETE STRUCTURE AT PLANT #1	1	EA	\$80,000		\$80,000
	NEW CONCRETE STRUCTURE AT PLANT #2	1	EA	\$80,000		\$80,000
	ALMINUM RAILING FURNISH & INSTALLATION	110	FT	\$150		\$16,500
	14'X 2'-6" X 1 3/16" 316 S.S. GRATE/ FRAME AND SUPPORT FURNISH & INSTALLATION	1	EA	\$8,000		\$8,000
					<i>SUBTOTAL</i>	\$174,500
4) ELECTRICAL						
	ELECTRICAL PARTS/PANELS AND CONDUITS INSTALLATION AT PLANT #1 AND PLANT#2	1	EA	\$80,000		\$80,000
	FURNISH AND INSTALL ONE LIGHT POLE & LED FIXTURE	2	EA	\$5,000		\$10,000
					<i>SUBTOTAL</i>	\$90,000
	SUB-TOTAL					\$385,000
	10% ALLOWANCE					\$38,500
	TOTAL CONSTRUCTION COST					\$423,500