

Memorandum



Date: August 18, 2015

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

From: Cristian Garcia
Contract Compliance Specialist II
Miami Dade Water & Sewer

Subject: ~~ONE-YEAR-COUNTYWIDE-CONTRACT-FOR-EVALUATION-OF-EXISTING~~
GRAVITY SEWERS WITH LOW VOLTAGE EXFILTRATION TEST, CLEANING AND
CCTV INSPECTION OF SEWER BASINS & MANHOLES FOR I/I REDUCTION
WITHIN MIAMI-DADE COUNTY, FLORIDA (RPQ P0175)

Miami-Dade Water and Sewer Department (WASD) respectfully requests that you review the attached recommendation for "0 % CSBE Participation and add a 10% CWP Goal.

This project was bid under the CICC7360 Program and the bids came in over the contract limit. So this project was split and going to be rebid.

This project is work order driven and each work order will take about 20 to 30 days to complete.

Primary Trades for this project are Pipeline Engineering, Pipe Line Contractor and Underground Utility / Excavation.

1.00 SCOPE

The Project consists of furnishing all labor, material and equipment for the Low Voltage Exfiltration (Electro Scan) evaluation (by ASTM F2550-13), cleaning, and video survey/recording of approximately 760,000 linear feet of sanitary sewer gravity collection lines of varying diameters as well as inspection of associated manholes, this allocation of sanitary sewer gravity collection system is arranged into approximately 60 separate wastewater collection basins within Miami-Dade County, Florida. The basins are listed in Appendix K. **The Department reserves the right to modify and prioritize the listed basins.** Reports, surveys, and video recordings shall be submitted documenting all testing and inspections. The overall project is to be completed within a 365 calendar day period starting from the Notice To Proceed (NTP).

The work also includes as required the bypass pumping of sewage or plugging and monitoring and traffic control, proper and legal disposal of removed materials, and all other appurtenant and miscellaneous related items and work necessary for a completed project.

The Contractor is also alerted that various "Standards" are used herein for reference and criteria, and that he should obtain copies for his general use and reference. Abbreviated titles are used throughout these Specifications and although most of them are widely known, their complete titles are given below in order to avoid any misunderstanding.

The Department has allocated certain funds for this project. Should the amounts bid exceed expected levels, the Department reserves the right to either reduce quantities and/or delete elements of work while proceeding at the prices bid, or reject bids and re-advertise at its sole discretion.

The County does not guarantee that the full amount of the Contract will be issued to the Contractor. The actual amount of Work Orders assigned is a prerogative of the County in its sole discretion and the dependent only on its needs. The combined total for all work authorized by the Work Orders shall not exceed the Contract Award amount.

AASHTO	American Association of State Highway and Transportation Officials
ACI	American Concrete Institute
AISI	American Iron and Steel Institute
ANSI	American National Standards Institute
ASTM	American Society for Testing and Materials
AWS	American Welding Society
AWWA	American Water Works Association
CRD	Control Data Register
DERM	Miami-Dade County Department of Environmental Resources Management
FDOT	Florida Department of Transportation
MDC	Miami-Dade County
MDTA	Miami-Dade Transit Authority
MDWASD	Miami Dade Water and Sewer Department
NSF	National Sanitary Foundation
OSHA	Occupational Safety & Health Act
PWWMD	Public Works and Waste Management Department

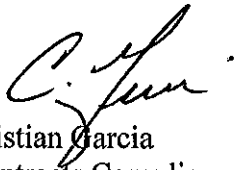
The above list shall not be considered complete, as there are other "Standards" used; however, in most cases complete titles have been given.

Wherever, "Standards" are indicated herein for reference, the referenced portion shall have the same force and effect as if it were included herein in its entirety, latest edition or revision if the date of publication is not shown.

QUALIFICATIONS AND EXPERIENCE OF THE CONTRACTOR

At the time of bidding the bidder shall submit a separate sealed envelope containing proof that his company has successfully SSES reviewed, cleaned and performed inspection of at least 10,000 linear feet of sanitary sewer mains, up to 24 inches in diameter, for at least 1 month and has been regularly and successfully engaged in cleaning and inspecting larger diameter lines for a minimum of one year. Furthermore, the successful bidder, prior to award, shall submit more detailed information on the experience of the firm and personnel assigned to the review, survey and cleaning work, especially the experience of the crew leaders who will actually supervise the work in the field, as well as information on all equipment and the type of process that will be used for cleaning. The Contract will not be awarded, and no review, inspection, and/or cleaning shall commence until these submittals have been approved and the successful bidder has thereafter received a written NTP. MDWASD reserves the right to reject individual crew leaders, if in the Department's or the Engineer's opinion, the crew leader demonstrates either inadequate experience or unsatisfactory or poor performance on the job.

If you require any additional information, please contact:



Cristian Garcia
Contracts Compliance Specialist 2
Miami-Dade Water & Sewer Department
3071 SW 38 Ave, Suite 107-14, Miami, Fl 33146
(786) 552-8216 (Phone) (786) 552-8885 (Fax).

Cc: Leo Vargas.

**DEPARTMENTAL INPUT
CONTRACT MEASURE ANALYSIS AND RECOMMENDATION**

TO: Gary T. Hartfield, Division Director
Department of Business Development

FROM: Leo Vargas, OCI Supervisor
Procurement/Stores Section

DEPARTMENT: Miami-Dade Water and Sewer Department

CONTRACT TITLE: RPQ P0175 One Year County Wide Contract for Evaluation of Existing Gravity Sewers with Low Voltage Exfiltration Test, Cleaning & CCTV Inspection of Sewer Basin & Manholes

CONTRACT NO.: MCC 7360 Program


ESTIMATE AMT.: \$3,710,275.50 (Contingency \$371,027.25, Dedicated Allowances \$65,000.00)

ACCT. FUNDS: ER# X000358

RECOMMENDATION

Analysis for Recommendation

ITEM	DESCRIPTION	ESTIMATE COST	% OF ITEM TO BASE BID	CSBE AVAILABILITY
1	This project consist of evaluating of existing gravity	\$3,710,272.50	100%	
	sewers with low voltage exfiltration test, cleaning	\$0.00	0%	
	and CCTV Inspections of sewer basins and	\$0.00	0%	
	manholes.	\$0.00	0%	
		\$0.00	0%	
		\$0.00	0%	
	SUB-TOTAL	\$3,710,272.50	100%	
		\$0.00	0%	
	Dedicated	\$65,000.00	0%	
	Contingency	\$371,027.25	10%	
	TOTAL	\$4,146,299.75		



Department Head or Authorized Agent

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.: P0175

*Reference corresponding project number when submitting a work order

~~Contract/Project Title: RPO-P0175 One-Year County-Wide Contract for Evaluation of Existing Gravity Sewers With Low Voltage Exfiltration Test, Cleaning and CCTV Inspection of Sewer Basins & Manholes For I/I Reduction~~

Description/Scope of Work: See Attached

Estimated Cost: 3710272 **Funding Source:** Grant 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.
Various Locations

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
Superintendent	1	365
Vactor Truck Operator	1	365
CCTV Operator	1	365

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: Specialized Trade

Date submitted to DBD: 08/18/2015

Contact Person: Cristian Garcia

Telephone No.: 786-552-8216

CD PMCM I/I REDUCTION PROGRAM

RFQ #P0176 ONE YEAR COUNTY WIDE CONTRACT FOR EVALUATION OF EXISTING GRAVITY SEWERS WITH LOW VOLTAGE EXFILTRATION TEST, CLEANING AND CCTV INSPECTION OF SEWER BASINS & MANHOLES FOR I/I REDUCTION WITHIN MIAMI/DADE COUNTY, FLORIDA
 ENGINEERS ESTIMATE

Bid Item	Description	Est. Qty	Unit	Estimate Amount	Estimate Total
1.1	Providing Maintenance of Traffic (MOT)	1	SUM	\$75,000.00	\$75,000.00
2.1	Electro Scan evaluation of 6-inch diameter sanitary sewer gravity lines	240	LF	\$2.75	\$660.00
2.2	Electro Scan evaluation of 8-inch diameter sanitary sewer gravity lines	700,000	LF	\$2.83	\$1,961,000.00
2.3	Electro Scan evaluation of 10-inch diameter sanitary sewer gravity lines	30,000	LF	\$3.00	\$90,000.00
2.4	Electro Scan evaluation of 12-inch diameter sanitary sewer gravity lines	30,000	LF	\$3.00	\$90,000.00
2.5	Electro Scan evaluation of 15-inch diameter sanitary sewer gravity lines	850	LF	\$8.00	\$6,800.00
2.6	Electro Scan evaluation of 16-inch diameter sanitary sewer gravity lines	350	LF	\$8.00	\$2,800.00
2.7	Electro Scan evaluation of 18-inch diameter sanitary sewer gravity lines	190	LF	\$9.00	\$1,710.00
3.1	Cleaning and flushing of 6-inch diameter sanitary sewer gravity lines & manholes, including confirmatory CCTV inspection	240	LF	\$1.10	\$264.00
3.2	Cleaning and flushing of 8-inch diameter sanitary sewer gravity lines & manholes, including confirmatory CCTV inspection	700,000	LF	\$1.15	\$805,000.00
3.3	Cleaning and flushing of 10-inch diameter sanitary sewer gravity lines & manholes, including confirmatory CCTV inspection	30,000	LF	\$1.10	\$33,000.00
3.4	Cleaning and flushing of 12-inch diameter sanitary sewer gravity lines & manholes, including confirmatory CCTV inspection	30,000	LF	\$2.20	\$66,000.00
3.5	Cleaning and flushing of 15-inch diameter sanitary sewer gravity lines & manholes, including confirmatory CCTV inspection	850	LF	\$2.65	\$2,252.50
3.6	Cleaning and flushing of 16-inch diameter sanitary sewer gravity lines & manholes, including confirmatory CCTV inspection	350	LF	\$3.20	\$1,120.00
3.7	Cleaning and flushing of 18-inch diameter sanitary sewer gravity lines & manholes, including confirmatory CCTV inspection	190	LF	\$4.40	\$836.00
3.8	For supplement payment for heavy cleaning, independent of pipe diameter and length (heavy cleaning is defined as more than three passes where ordered by the Engineer),	100	ea	\$750.00	\$75,000.00
4.1	CCTV Review of identified defects in 6-inch gravity sewer line, per linear feet of travel to furthest defect, starting manhole to be determined by Engineer	200	LF	\$1.00	\$200.00
4.2	CCTV Review of identified defects in 8-inch gravity sewer line, per linear feet of travel to furthest defect, starting manhole to be determined by Engineer	200,000	LF	\$1.20	\$240,000.00
4.3	CCTV Review of identified defects in 10-inch gravity sewer line, per linear feet of travel to furthest defect, starting manhole to be determined by Engineer	7,500	LF	\$1.50	\$11,250.00
4.4	CCTV Review of identified defects in 12-inch gravity sewer line, per linear feet of travel to furthest defect, starting manhole to be determined by Engineer	7,500	LF	\$1.75	\$13,125.00
4.5	CCTV Review of identified defects in 15-inch gravity sewer line, per linear feet of travel to furthest defect, starting manhole to be determined by Engineer	200	LF	\$1.75	\$350.00
4.6	CCTV Review of identified defects in 16-inch gravity sewer line, per linear feet of travel to furthest defect, starting manhole to be determined by Engineer	200	LF	\$1.90	\$380.00
4.7	CCTV Review of identified defects in 18-inch gravity sewer line, per linear feet of travel to furthest defect, starting manhole to be determined by Engineer	100	LF	\$2.25	\$225.00
4.8	Supplemental payment for CCTV of identified defects that are less than fifty (50) linear feet from the center of manhole to the identified defect	100	ea	\$500.00	\$50,000.00
5.1	Manhole inspection by way of digital imaging system, including data collection	3,000	ea	\$55.00	\$165,000.00
6	SUBTOTAL ITEMS 1.1 through 5.1				\$3,710,272.60
7.1	Providing Uniformed / Off-duty Police Officers for the purposes of maintenance of traffic		SUM	\$50,000.00	\$50,000.00
7.2	For unforeseen conditions, for minor construction changes, and for quantity adjustments, if ordered by the Engineer (0.10 x Subtotal Items 1 to 5)		SUM	\$371,027.26	\$371,027.26
7.3	For all costs of required permits, fees, impact fees, and inspections, if ordered by the Engineer (0.03 x Subtotal Items 1 to 5)		SUM	\$15,000.00	\$15,000.00
8.1	TOTAL ESTIMATE SUM TOTAL OF ITEMS 7.1 through 8.3				\$4,148,299.76