

# Memorandum



**Date:** June 23, 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 Rehabilitation Of Sanitary Sewers By The Cured-IN-Place Pipe Lining Method (RPQ# P0168)

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

This project was bid under the CICC7040 Program, the day of the pre-bid we had zero participation and no bids received. Therefore we are requesting to bid this through the CICC7360 Program.

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 General Engineering, Pipeline Engineering, Pipe Line Contractor and Underground Utility / Excavation.

## 1.00 SCOPE

The Project consists of furnishing all labor, materials and equipment for rehabilitating defects in 8 through 36-inch diameter gravity sanitary sewer pipes and 6-inch diameter service laterals by the cured-in-place pipe lining method, at various and different locations anywhere within the limits of Miami-Dade County, Florida, as ordered by the Department during a one-year period. The Department is currently responsible for maintaining the gravity sanitary sewers in Miami-Dade County, Florida. It is the intention of the Department to establish a "blanket" type contract with one (1) successful bidder, for a one-year period, to clean and line gravity sanitary sewer pipelines.

This work includes supplementary cleaning of the affected existing gravity sanitary sewers, isolating the reach of sewer to be repaired, inspecting it with closed circuit television (CCTV), then installing a cured-in-place pipe liner and reinspecting the repaired reach with CCTV. Repairs in industrial areas will utilize an epoxy vinyl ester resin system and repairs in non-industrial areas a polyester resin system or an epoxy vinyl ester resin system. The work in the sewer shall be accomplished through the manholes, without disturbing the street surface or adjacent property or any utility, except when performing excavated point repairs of sewers.

Work also includes cured-in-place lining of sewer laterals ordered by the Engineer, bypass pumping of sewage or plugging and monitoring, if needed, and other appurtenant and miscellaneous related items and work for a completed Project. The terms "work," "lining," "construction," "repair" and "cleaning" shall each be construed to denote any and all activities under this contract, regardless of its nature.

The Contractor must certify that he has a minimum of two (2) cured-in-place installation crews and equipment in order to complete the work in a timely fashion.

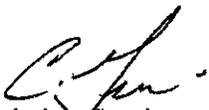
### 6.00.1 Qualifications and Experience of the Contractor

The Contractor shall submit a schedule of their proposed work, as bid, including information on the experience of the firm, the personnel assigned to the repair work, and the experience of the crew leaders who will actually supervise and perform the field, as well as information on all equipment and the type of process that will be used for lining (see questionnaire in the Quotation). The Contractor must certify that he has a minimum of two (2) installation crews and equipment in order to complete the work in a timely fashion. The contract will not be awarded and no work shall commence until these submittals have been approved and the successful bidder has received a written Notice to Proceed, respectively. The Department reserves the right to reject individual crew leaders due to either inadequate experience, or unsatisfactory or poor performance on the job (in the Department's or the Engineer's sole opinion). Along with its bid, the Contractor must submit proof that his/her firm has been regularly and successfully engaged in the commercial installation of the liner product for a minimum of one (1) year prior to the Bid Date, and has successfully performed an aggregate amount of at least 100,000 linear feet of sanitary sewer repairs of pipes 8 through 24 inches in diameter in subaqueous conditions.

The Contractor is required to meet the experience requirements listed above. The experience of personnel with any other Contractor/Company does not qualify the Contractor; the qualifying experience shall be of the Contractor/Company bidding the project.

Community Workforce Program is not applicable to this project.

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 P0168 One Year County Wide Contract for Rehabilitation of Sanitary Sewers By The Cured In place Method

**CONTRACT NO.:** MCC 7360 Program

**ESTIMATE AMT.:** \$3,189,025.00 (Contingency \$318,902.50, Dedicated Allowances \$170,000.00)

**ACCT. FUNDS:**

**RECOMMENDATION**

**Analysis for Recommendation**

ITEM	DESCRIPTION	ESTIMATE COST	% OF ITEM TO BASE BID	CSBE AVAILABILITY
1	This project consist of furnishing all labor, materials and equipment for rehabilitating defects in 8 through 36-inch diameter gravity sanitary sewr pipes and 6-inch diameter service laterals by the cured in place pipe lining method.	\$3,189,025.00	100%	
		\$0.00	0%	
		\$0.00	0%	
	<b>SUB-TOTAL</b>	<b>\$3,189,025.00</b>	<b>100%</b>	
		\$0.00	0%	
	Dedicated	\$170,000.00	0%	
	Contingency	\$318,902.50	10%	
	<b>TOTAL</b>	<b>\$3,677,927.50</b>		

*S. Hecker 6/23/15*

Department Head or Authorized Agent

**ONE-YEAR COUNTYWIDE CONTRACT FOR REHABILITATION OF SANITARY SEWERS  
BY THE CURED-IN-PLACE PIPE LINING METHOD FOR CD PMCM PROJECTS  
RPQ #P0168**

Bid Item	Description	Unit	Est. Qty	Est. Cost	Total
<b>1.00</b>	<b>CURED-IN-PLACE PIPE LINING</b>				
1.01	Cured-in-place 8-inch diameter pipe lining up to 24 feet deep in non-industrial areas.	LF	58,903	\$ 30.00	\$ 1,767,090.00
1.02	Cured-in-place 10-inch diameter pipe lining up to 24 feet deep in non-industrial areas.	LF	400	\$ 32.00	\$ 12,800.00
1.03	Cured-in-place 12-inch diameter pipe lining up to 24 feet deep in non-industrial areas.	LF	361	\$ 35.00	\$ 12,635.00
1.04	Cured-in-place 15-inch diameter pipe lining up to 24 feet deep in non-industrial areas.	LF	200	\$ 37.00	\$ 7,400.00
1.05	Cured-in-place 18-inch diameter pipe lining up to 24 feet deep in non-industrial areas.	LF	200	\$ 45.00	\$ 9,000.00
1.06	Cured-in-place 21-inch diameter pipe lining up to 24 feet deep in non-industrial areas.	LF	200	\$ 50.00	\$ 10,000.00
1.07	Cured-in-place 24-inch diameter pipe lining up to 24 feet deep in non-industrial areas.	LF	200	\$ 60.00	\$ 12,000.00
1.08	Cured-in-place 27-inch diameter pipe lining up to 24 feet deep in non-industrial areas.	LF	200	\$ 75.00	\$ 15,000.00
1.09	Cured-in-place 36-inch diameter pipe lining up to 24 feet deep in non-industrial areas.	LF	200	\$ 100.00	\$ 20,000.00
1.10	Cured-in-place 8-inch to 15-inch diameter pipe lining up to 24 feet deep in industrial areas	LF	200	\$ 35.00	\$ 7,000.00
1.11	Cured-in-place 18-inch to 24-inch diameter pipe lining up to 24 feet deep in industrial areas	LF	200	\$ 38.00	\$ 7,600.00
1.12	Reinstatement of service laterals	EA	1,000	\$ 80.00	\$ 80,000.00
1.13	Sealing lateral connections	EA	1,000	\$ 250.00	\$ 250,000.00
1.14	Supplemental Payment for installing Cured-in-place pipe liners, independent of pipe diameter, segment length and depth, in easement areas away from the vehicular traveled way	EA	25	\$ 300.00	\$ 7,500.00

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RPQ #P0168**

Bid Item	Description	Unit	Est. Qty	Est. Cost	Total
1.15	CONTINGENT ITEM For Cured-in-Place Pipe Lining of 6-inch diameter service laterals up to 25 feet in length.	EA	240		
1.15.1	CONTINGENT ITEM For Cured-in-Place Pipe Lining of 6-inch diameter service laterals up to 25 feet in length. <b>IN ACCORDANCE WITH ASTM F2561.</b> (A minimum of forty percent (40%) of the total quantity of 6-inch diameter service laterals that are lined shall be in accordance with ASTM F2561)	EA	88	\$ 4,000.00	\$ 352,000.00
1.15.2	CONTINGENT ITEM For Cured-in-Place Pipe Lining of 6-inch diameter service laterals up to 25 feet in length. <b>IN ACCORDANCE WITH ASTM F1216 OR ASTM F2561.</b> (Remainder of the total quantity of 6-inch diameter service laterals that are lined shall be in accordance with ASTM F1216 <u>OR</u> ASTM F2561)	EA	132	\$ 4,000.00	\$ 528,000.00
1.15.3	CONTINGENT ITEM For Cured-in-Place Pipe Lining of 6-inch diameter service laterals, sealing the connection and the first joint of the lateral (minimum of 20 inches in length) <b>IN ACCORDANCE WITH ASTM F1216 OR ASTM F2561.</b>	EA	20	\$ 4,000.00	\$ 80,000.00
1.16	CONTINGENT ITEM For Cured-in-Place Pipe Lining of 6-inch diameter service laterals beyond the first 25 feet included in the base item.	LF	1100		
1.16.1	CONTINGENT ITEM For Cured-in-Place Pipe Lining of 6-inch diameter service laterals beyond the first 25 feet included in the base item. <b>IN ACCORDANCE WITH ASTM F2561.</b> (A minimum of forty percent (40%) of the total quantity of 6-inch diameter service laterals that are lined shall be in accordance with ASTM F2561)	LF	440	\$ 10.00	\$ 4,400.00
1.16.2	CONTINGENT ITEM For Cured-in-Place Pipe Lining of 6-inch diameter service laterals beyond the first 25 feet included in the base item. <b>IN ACCORDANCE WITH ASTM F1216 OR ASTM F2561.</b> (Remainder of the total quantity of 6-inch diameter service laterals that are lined shall be in accordance with ASTM F1216 <u>OR</u> ASTM F2561)	LF	660	\$ 10.00	\$ 6,600.00

**ONE-YEAR COUNTYWIDE CONTRACT FOR REHABILITATION OF SANITARY SEWERS  
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Bid Item	Description	Unit	Est. Qty	Est. Cost	Total
<b>2.00 BYPASS PUMPING OF SEWAGE</b>					
2.01	For bypass pumping required when lining sewer pipes 8-inch through 15-inches in diameter when authorized or directed by the Engineer	EA	5	\$ 1,000.00	\$ 5,000.00
2.02	For bypass pumping required when lining sewer pipes 18-inch through 36-inches in diameter when authorized or directed by the Engineer	EA	2	\$ 1,000.00	\$ 2,000.00
<b>3.00 MAINTENANCE OF TRAFFIC (M.O.T.)</b>					
3.01	For providing maintenance of traffic (M.O.T.)	AGG. SUM	1	\$ 7,500.00	\$ 7,500.00
<b>4.00 SUBTOTAL</b>					
4.01	The SUM of Item Nos. 1.01 through 3.01				\$ 3,189,025.00
<b>5.00 DEDICATED ALLOWANCES</b>					
5.01	For providing uniformed, off-duty police officers for the purposes of maintenance of traffic	AGG. SUM	1	\$ 50,000.00	\$ 50,000.00
5.02	For pre-work video inspection for sewer repairs cancelled by the Engineer as a result of changed anticipated conditions	LF/D A	2,500	\$ 2.00	\$ 5,000.00
5.03	For cured in place lining repairs of sizes 8-inch through 36-inch in excess of the quantities in Bid Items 1.01 through 1.11	AGG. SUM	1	\$ 100,000.00	\$ 100,000.00
5.04	For reimbursement of the cost of required construction permits and fees, if authorized by the Engineer	AGG. SUM	1	\$ 15,000.00	\$ 15,000.00
<b>6.00 CONTINGENCY ALLOWANCE ACCOUNT</b>					
6.01	For unforeseen conditons, for minor construction changes and for quantity adjustments, if ordered by the Engineer, the sum of 10% of the Subtotal, item 4.01, (.10) X (subtotal, item 4.01)		1	\$ 318,902.50	\$ 318,902.50
<b>7.00 TOTAL BID</b>					
7.01	The SUM of Item Nos. 4.01 through 6.01				\$ 3,677,927.50

**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.:** P0165

\*Reference corresponding project number when submitting a work order

**Contract/Project-Title:** ~~RPO P0168 One Year County Wide Contract for Rehabilitation of Sanitary Sewers By The Cured in Place Method~~

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

**Estimated Cost:** 3189025 **Funding Source:** Grant 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.

**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: 365CWP is not applicable. Project site is not within 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:** Specialized Trade

**Date submitted to DBD:** 04/08/2015

**Contact Person:** Cristian Garcia

**Telephone No.:** 786-552-8216

## White Jr., Tyrone (ISD)

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**From:** Howard, Warren (AECOM Consultant)  
**Sent:** Wednesday, July 01, 2015 9:15 AM  
**To:** Garcia, Cristian (WASD)  
**Cc:** Johnson, Laurie (ISD); White Jr., Tyrone (ISD); Vazquez, David (WASD)  
**Subject:** RE: RPQ# P0168 One Year Countywide Contract for Rehab. of Sanitary Sewers By The Cured-In-Place Pipe Lining Method for  
**Attachments:** image001.png

Cris, Tyrone,

Please see below

Security services not required, any short term police requirement for certain areas would come from MDPD - value \$0 [with a maximum contingency allowance of \$50,000 in the bid items]  
Clean up – one of the laborers in the crew for 30 minutes in every day (remember this system is a trenchless technology and relatively clean so they don't create much waste) – value \$2500  
MOT – line item in my estimate is \$7,500  
Materials – all materials (liners, resins and chemicals associated with the CIPP process) will be supplied by the contractors, they manufacture their own.

Regards

Warren

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**From:** White Jr., Tyrone (ISD)  
**Sent:** Tuesday, June 30, 2015 3:06 PM  
**To:** Howard, Warren (AECOM Consultant)  
**Cc:** Johnson, Laurie (ISD); Garcia, Cristian (WASD)  
**Subject:** RE: RPQ# P0168 One Year Countywide Contract for Rehab. of Sanitary Sewers By The Cured-In-Place Pipe Lining Method for  
**Importance:** High

Good afternoon Warren,

I know you stated in your previous email that "The Cured in Place Pipe (CIPP) process will be completed by a specialist CIPP contractor who shall supply all the required specialist material and specialist equipment to complete the work, we do not envisage that there will be any requirement to source any goods and services from local suppliers," however due to Ordinance 14-41, a cost breakdown must be provide for all non-construction goods & services associated with this contract. SBD understands that this work must be completed by a CIPP specialist but if that specialist has to purchase any goods from an authorized manufacturer, if there is any clean up, security guard services, maintenance of traffic, etc. associated with this contract, those goods and/or services must have a cost breakdown since the contract is over \$2.5 million. Also, please keep in mind that just because a cost breakdown is submitted does not mean that a goal "must" be applied.

**Tyrone White**  
Contract Specialist  
Small Business Development Division  
Miami-Dade County Internal Services Department  
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☎Office: (305) 375-3123|☎Fax: (305) 375-3160