

**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.:** S-910

\*Reference corresponding project number when submitting a work order

**Contract/Project Title:** REHABILITATION OF U.S.1 CROSSING GRAVITY SEWER LINES AT SW 98 ST AND SW 88 ST. USING TRENCHLESS TECHNOLOGY

**Description/Scope of Work:** THIS PROJECT IS OF A CRITICAL NATURE AND TIME IS OF THE ESSENCE. The scope of work consists of trenchless rehabilitation of a total of approximately 861 LF of gravity sanitary sewers crossing U.S. 1 at two separate locations and contained within casing pipe, as follows:

- Location 1: The work includes rehabilitation of approximately 388 LF of an existing 12-inch gravity sewer (Asbestos Concrete Pipe) crossing U.S. 1 at S.W. 88th Street.
- Location 2: The work includes rehabilitation of approximately 473 LF of an existing 8-inch gravity sewer (Cast Iron Pipe) crossing U.S. 1 at S.W. 98th Street.

**PARTICIPATION IS LIMITED TO PRE-QUALIFIED FIRMS UNDER RTQ-00298, TRENCHLESS TECHNOLOGY POOL.**

**Estimated Cost:** 7002060 **Funding Source:** Other (specify)

**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.  
U.S. 1 at S.W. 88th Street & U.S. 1 at S.W. 98th Street

**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:Funding Source Forthcoming

**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:** Resubmitted 10/16/2015

**Contact Person:** Isaac Smith

**Telephone No.: 786-552-8255**

**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

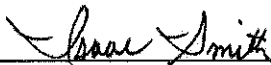
Contract Title: REHABILITATION OF U.S. 1 CROSSING GRAVITY SEWER LINES AT SW 98 ST AND SW 88 ST. USING TRENCHLESS TECHNOLOGY

Contract No.: S-910

Estimate Amount: \$ 479,050 [\$435,500 Construction + \$43,550 Contingency]

Funding Source: TBD – WILL BE PROVIDED

**“No Measure” Recommendation for Both SBE-Cons & SBE-G&S**



Department Head or Authorized Agent

**DESCRIPTION OF PROJECT:**

**THIS REHABILITATION PROJECT IS OF A CRITICAL NATURE AND TIME IS OF THE ESSENCE.**

The scope of work consists of trenchless rehabilitation of a total of approximately 861 LF of gravity sanitary sewers crossing U.S. 1 at two separate locations and contained within casing pipe, as follows:

- Location 1: The work includes rehabilitation of approximately 388 LF of an existing 12-inch gravity sewer (Asbestos Concrete Pipe) crossing U.S. 1 at S.W. 88<sup>th</sup> Street.
- Location 2: The work includes rehabilitation of approximately 473 LF of an existing 8-inch gravity sewer (Cast Iron Pipe) crossing U.S. 1 at S.W. 98<sup>th</sup> Street.

Both line segments are contained within casing pipe and crosses U.S. 1 and under the elevated Metrorail guideways. The work consists of furnishing all professional engineering and design services, along with all furnishing all materials, labor, equipment and appurtenances, complete including surface restoration, necessary for satisfactory trenchless rehabilitation of both deteriorated sewers described above.

The means and methods utilized in this rehabilitation shall be proposed by the contractor and must meet the requirements established in the Performance Criteria Package (PCP). The PCP provides the desired performance characteristics of the subject gravity lines at the end of the project to allow prospective bidders to develop their respective bid packages utilizing the most cost effective means and methods at their disposal.

All proposed lining and new pipe materials shall have a minimum of a 50 year life expectancy.

**NOTE, THE FOLLOWING REQUIREMENT FOR PARTICIPATION:**  
**ALL TRENCHLESS REHABILITATION PRODUCTS AND INSTALLERS SHALL BE PRE-APPROVED UNDER RTQ-00298 PRIOR TO THE FORMAL OPENING OF PROPOSALS.**

**CONSIDERATIONS FOR ANALYSIS:**

1. This project involves the critical rehabilitation of two sanitary sewers through the use of a highly specialized trenchless technology(ies). The project is being bid out as a Performance Specification where the technology utilized to rehabilitate the pipe will be up to the contractor (Lowest cost for a system that meets all requirements of Performance Specification). Since all of this work is done in a confined space in the right-of-way (i.e. within the main), all personnel involved are specially trained to function in this environment.
2. As stated above, this is highly specialized pipe rehabilitation work. The sewers being rehabilitated transverses under U.S. 1 and the Metrorail support guideway and tracks, in very high traffic areas, with no intermediate valves nor connections. The repair technology proposed for use shall have a site specific design engineered by a licensed professional engineer.
3. **Due to the nature of the work, a “No Measure” recommendation is being suggested by the Department..**

**LICENSES:** The types of licenses required are: General Contracting, General Engineering, State Underground, Pipeline and/or other categories as applicable by Chapter 489 of the Florida Statutes or Chapter 10 of Miami-Dade County Code.

**COMMUNITY WORKFORCE PROGRAM**

**CWP PARTICIPATION: Not Applicable, as each repair location will completed in less than 30 days.**

<b>Analysis for SBE-Construction</b>				
<b>Recommendation – No Measure</b>				
<b>Item</b>	<b>Description</b>	<b>Estimated Cost</b>	<b>% of Item to Base Bid</b>	<b>CSBE Availability</b>
1.	For performing preparatory work and operations in mobilizing for beginning the work of the Project	\$ 65,600	13.69	
2.	For general sitework (sheeting, etc.)	\$ 62,400	13.03	
3.	For all costs for trenchless rehabilitation of approximately 388 LF of 12- inch Concrete Asbestos gravity line located at US1 and SW 88 <sup>th</sup> St	\$ 148,200	30.94	
4.	For all costs for trenchless rehabilitation of approximately 473 LF of 8- inch Cast Iron gravity line located at US1 and SW 98 <sup>th</sup> St	\$ 159,300	33.25	
	<b>SUB-TOTAL</b>	<b>\$ 435,500</b>		
	<b>Contingency (10%)</b>	<b>\$ 43,550</b>	<b>9.09</b>	

	<b>TOTAL FOR CSBE (Subtotal &amp; Contingency)</b>	\$ 479,050	100.00	
	<b>Total Dedicated Allowances</b>	\$ 8,710		
	<b>PROJECT TOTAL</b>	<b>\$ 487,760</b>		

**Small Business Enterprise – G&S**  
**Recommendation – No Measure**

**CONSIDERATIONS FOR ANALYSIS:**

1. This project involves rehabilitation of a gravity sewage main through the use of a highly specialized trenchless technology. The project is being bid out as a Performance Specification where the technology utilized to rehabilitate the pipe will be up to the contractor (Lowest cost for a system that meets all requirements of Performance Specification). These systems typically involve digging an entry and retrieval pit, line with steel sheet piling and a tremmie concrete bottom to provide a dry environment for the work and the installation of a resin saturated liner. Since all of this work is done in a confined space in the right-of-way (i.e. within the main), all personnel involved are specially trained to function in this environment.
2. The Department has evaluated the project for possible opportunities for participation in the area of SBE – Goods and Services. The work consists of the rehabilitation of approximately 891 linear feet of 8-inch and 12-inch sewers by utilizing highly specialized trenchless technology. The project also involves a trenchless pipe crossing under a State Road and an elevated Metrorail Transportation System. Based on the scope and nature of the work, we have concluded that there are almost no opportunities for participation in this project, as there are no intermediate connections nor valves to be utilized.
3. Our recommendation for SBE-G & S “No Measure”.

<b>Analysis for Small Business Enterprise – Goods and Services Recommendation</b>				
Item	Goods & Services	Prime Contractor	Sub-Contractor	SBE Availability
1.	<b>GOODS:</b> Cured-In-Place Lining System	X		
2.	<b>SERVICES</b> Pipeline Rehabilitation Trenchless Pipe Installation Maintenance of Traffic	X X	X	