

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-901

*Reference corresponding project number when submitting a work order

Contract/Project Title: CD 4.10(1) REHABILITATION OF 48-INCH PCCP FORCE MAIN FROM NW 37 AVE. TO NW 32 AVE. ALONG NORTH RIGHT OF WAY OF BISCAYNE (C-8) CANAL (GREEN SPACE)

Description/Scope of Work: See Attached

Estimated Cost: 3432000 **Funding Source:** Other (specify)

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.
From NW 37 Ave. along the C-8 canal bank to the intersection of NW 156 St. and NW 32 Ave.

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: Not Applicable, Project not in Target Area.

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 is a rehabilitation project involving the relining of an existing 48-inch force main. Project is being bid out under a Performance Specification where means and methods will be determined by contractor. This project is located in Green Space along the north SFWMD Biscayne (C-8) canal ROW where roadway/paving will not be disrupted.

Date submitted to DBD: 05/17/16

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: CD 4.10(1) REHABILITATION OF 48-INCH PCCP FORCE MAIN FROM NW 37 AVE.
TO NW 32 AVE. ALONG NORTH RIGHT OF WAY OF BISCAYNE (C-8) CANAL
(GREEN SPACE)

Contract No.: S-901

Estimate Amount: \$3,432,000 [\$3,120,000 Construction + \$312,000 Contingency]

Funding Source: EW 658, WASD Revenue Bonds Sold

**Small Business Enterprise – Construction – No Measure
Small Business Enterprise – Goods & Services – No Measure**

Analysis for Recommendation (Attached)



Department Head or Authorized Agent

DESCRIPTION OF PROJECT:

This project is one in a series of projects that are being processed under Section 2-8.1.12 of the Code, entitled Miami-Dade Water and Sewer Department Consent Decree and Capital Improvement Programs Accelerate Ordinance.

The project consists of rehabilitation of approximately 2,600 LF of the existing 48" prestressed concrete cylinder pipe (PCCP) force main. The work includes the following: bypassing, dewatering and interior cleaning of the force main; removing any protrusions and obstructions with potential impact to the lining operations; furnishing all material, labor and equipment necessary for the rehabilitation and relining or coating varying lengths of the force main per the Performance Specification Guidelines for the Installation of Slip Lining; and any other appurtenant and miscellaneous items and work for a complete, functional and satisfactory installation.

The project begins at NW 37th Avenue running along the north side of the C-8 Canal in green space (i.e. along the bank of the canal) for an approximate length of 2,600 linear feet to the intersection of NW 32nd Avenue and NW 156 Street.

NOTE: THIS PROJECT WILL BE BID OUT UNDER RTQ-00298, PRE-QUALIFICATION FOR TRENCHLESS TECHNOLOGIES, UTILIZING A PERFORMANCE CRITERIA PACKAGE (PCP) WITH SLIP LINING AS THE BASIS FOR THE BID, OTHER TECHNOLOGIES WILL BE CONSIDERED.

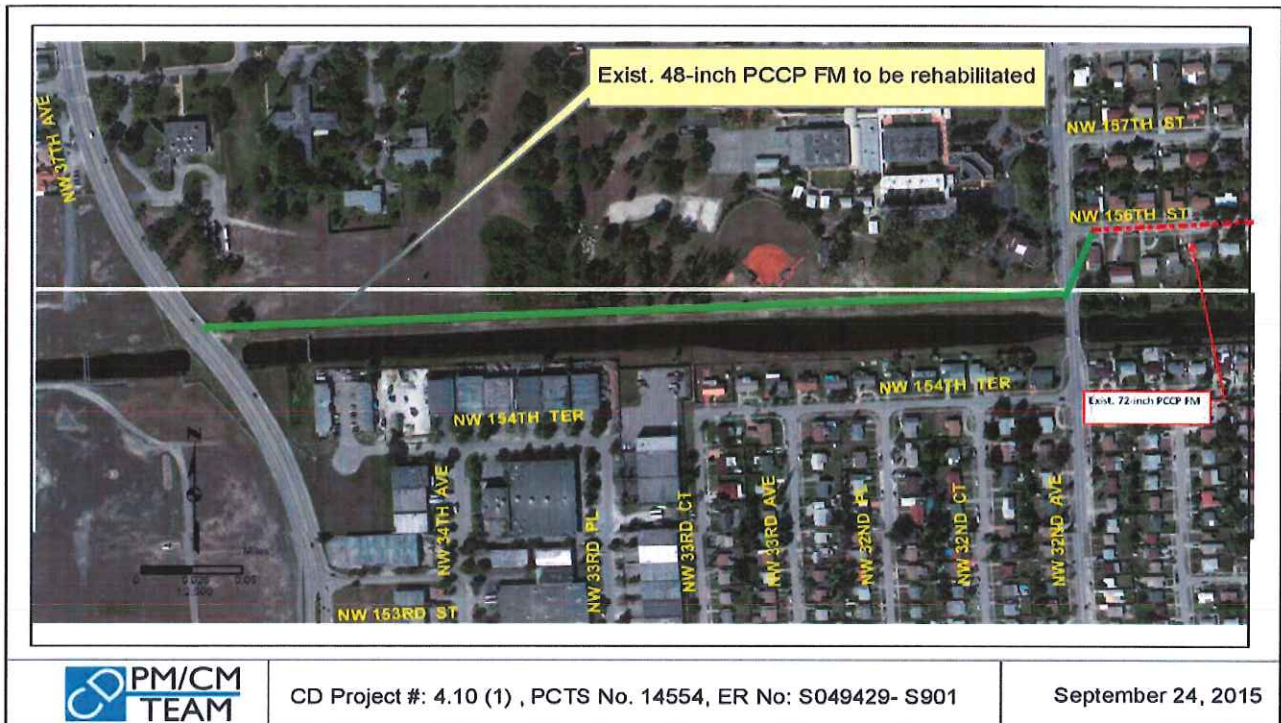
COMMUNITY WORKFORCE PROGRAM

CWP PARTICIPATION: Not Applicable, as project is not within a Target Area.

ANALYSIS FOR SBE-CONSTRUCTION:

1. This project involves rehabilitation of a large diameter sewage force main through the use of a highly specialized trenchless technology. This project is being bid utilizing a Performance Criteria Package (PCP) with Slip Lining as the basis for the bid, however other trenchless pipe rehabilitation technologies will be considered.
2. As stated above, this is highly specialized pipe rehabilitation work using trenchless technology. All of this work will be done within the existing force main, which is a confined space, and requires personnel involved to be trained to function in this environment.
3. A “No Measure” determination is recommended for this project.

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. However, only firms pre-qualified under





Miami-Dade Water and Sewer Department
 CD Project #: 4.10 (1), PCTS #: 14554
 Planning Level Opinion of Probable Cost (OPC)

Date
 Estimator
 Project Manager

1/22/2016
 G. Jauregui
 A Risher

PIPE REHAB
 Rehabilitation of 2,600 LF of existing 48 inch PCCP FM from NW 37 Ave to NW 32 Ave along the SFWMD
 North R-O-W of C-B Canal

Item	Description	Qty	Units	\$/Units	PMCM Total	Delta	Comment
	4.10 (1) PCTS # 14554						
1	Rehabilitate existing 48" PCCP with CIPP	2,600	LF	1000	\$2,600,000		4.10 (1)
	AACE Class 4 Estimate		20%		\$ 520,000		
	SUB-TOTAL 1				\$ 3,120,000		
2	Furnish Traffic Control, (3% of Subtotal #1) Complete (including off-duty Police Officer)		Aggr. Sum (Divided four				
3	Mobilization and demobilization estimated 5% of Sub-Total 1.		Aggr. Sum				
	Construction Bid Amount				\$ 3,120,000		
4	For Unforeseeing conditions for minor construction changes and for quantity adjustments, if ordered by the engineer		Allowance Acc. (10%)		\$ 312,000		
	SUB-TOTAL 3				\$ 3,432,000		
5	Authorized Reimbursable cost account for costs of required permit, fees, inspections, impact fees, etc. if authorized by the Engineer. (3% of Subtotal 3)		Reimbursable Fee (3%)		\$ 102,960		
6	Engineering, Survey, Geotechnical and Environmental (10% of Subtotal 3)		Aggr. Sum		\$ 343,200		
7	Construction Management (15% of Subtotal 3)		Aggr. Sum		\$ 514,800		
	TOTAL DIRECT COST				\$ 4,392,960		
8	DEPARTMENT STORES OVERHEAD (9.4% OF SUBTOTAL 3)				\$ 322,608		
9	Contingency (7.5% of Direct Costs)				\$ 329,472		
	OTHER INDIRECT COSTS				\$ 6,045,040		
10	DEPARTMENT OVERHEAD (10.8% OF DIRECT COSTS PLUS DEPARTMENT STORES OVERHEAD)		Aggr. Sum		\$ 499,850		
	GRAND TOTAL				\$ 5,544,890		

Notes

1. THIS COST ESTIMATE IS BASED ON A PRELIMINARY CONCEPTUAL DATA. FINAL ESTIMATE MAY INCREASE DURING THE DESIGN PHASE IN ORDER TO REFLECT ACTUAL FIELD AND UNKNOWN SUBSOIL CONDITIONS, POTENTIAL UTILITY CONFLICT, RELOCATION AND ADDITIONAL PERMIT REQUIREMENTS.
2. THIS ESTIMATE DOES NOT INCLUDE ANY COSTS ASSOCIATED WITH SECURING LAND RIGHTS FOR ALL WATER AND SEWER FACILITIES FOR THE PROJECT, IF REQUIRED.
3. NO ESCALATION COST INCLUDED

ANALYSIS FOR SBE-GOODS & SERVICES:

1. This project involves rehabilitation of a large diameter sewage force 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.

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 2,600 linear feet of 48-inch sewage force main by utilizing highly specialized trenchless technology. Based on the scope and nature of the work, we have concluded that there are no opportunities for participation in this project, as this project involves no excavations nor disturbance and restoration of surface features.

3. **A “No Measure” determination is recommended for this project.**

Analysis for Small Business Enterprise – Goods and Services Recommendation				
Item	Goods & Services	Prime Contractor	Sub-Contractor	SBE Availability
1.	GOODS: Lining System Resin	X X		
2.	SERVICES Curing of Liner	X		