

**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: FURNISH AND INSTALL 36-INCH D.I. WATER TRANSMISSION MAIN
ALONG SW 152 ST. FROM SW 137 AVE. TO SW 112 AVE.

Contract No.: W-931

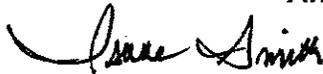
Estimate Amount: \$14,119,776 (See Breakdown below)

[\$12,188,415 Construction + \$1,218,829 Contingency + \$712,532 Dedicated Allowance]

Funding Source: EW 258, WASD Revenue Bonds Sold

Small Business Enterprise – Construction – 7.27%

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 scope of work for this project consists of providing and installing approximately 13,788 linear feet of 36-inch water transmission main along SW 152nd Street from SW 137th Avenue to SW 112th Avenue. An additional 90 linear feet of 24-inch and 120 linear feet of 48-inch water main will be installed at the intersection of SW 152nd Street and SW 127th Avenue. There will be no water service connections installed on the water main.

The work includes, but it is not limited to, furnishing and installing all ductile iron piping, valves and fittings; furnishing and installing all tapping sleeves, valves and appurtenances required to make interconnections to existing mains; furnishing and installing all carrier and casing pipe and appurtenances required for construction of trenchless pipe construction under the Black Creek Canal (C-1N) and CSX Transportation railroad along SW 152 Street; utility relocations; furnishing traffic control; making temporary and permanent paving repairs; repairing all traffic loops along the route; and all other appurtenant and miscellaneous items and work for a complete, functional and satisfactory installation.

The work is located in a Portion of the South 1/2 of Sections 22, 23, and 24, Township 55 South, Range 39 East; a Portion of the South 1/2 of Section 19, Township 55 South, Range 40 East; a Portion of the North 1/2 of Sections 25, 26, and 27, Township 55 South, Range 39 East; and a Portion of the North 1/2 of Section 30, Township 55 South, Range 40 East, all lying and being in Miami-Dade County, Florida.

QUALIFICATIONS OF BIDDERS:

1. The scope of work involves the construction of a large diameter transmission water main. Bidders shall submit proof of at least three (3) similar projects within the past 5 years involving water main installation of 36-inch diameter or larger.
2. This project involves the construction of two trenchless pipe installations, as follows: Jack & Bore under CSX Transportation railroad at SW 152 Street and Jack & Bore under Snake Creek Canal (C-1N) at SW 152 Street. Therefore, bidders shall submit proof of at least three (3) similar projects within the past 5 years involving trenchless casing of 54-inch diameter or larger.

LICENSES: The types of licenses required are: 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 Project is not in a DTA

Analysis for SBE - Construction				
Recommendation – 7.27% SBE Construction				
Item	Sub-Trade	Estimated Cost	% of Item to Base Bid	CSBE Availability
1.	General Construction Operations: - Mobilization - Erosion Control	\$ 407,884	3.04	
2.	Maintenance of Traffic & Pedestrian Safety	\$ 608,343	4.54	
3.	Furnish and install large diameter ductile iron pipe, fittings and appurtenances to construct the transmission main, complete	\$ 8,121,697	60.58	
4.	Trenchless Construction - Jack & Bore under CSX Railroad - Jack & Bore under C-1N Canal	\$ 1,239,015	9.24	
5.	Constructing Air Relief Assemblies	\$ 93,098	0.69	0.69
6.	Hot Tap connections to existing mains	\$ 304,787	2.27	
8.	Limerock Base	\$ 452,253	3.37	3.37
9.	For Replacement of Pavement Markings	\$ 11,942	0.09	0.09
10.	Bituminous Surface Course	\$ 406,666	3.03	3.03
11.	Final Restoration (State Road) & Milling	\$ 492,979	3.68	
12.	Replacing Traffic Loops	\$ 10,981	0.08	0.08
	SUBTOTAL	\$12,188,415		
	Contingency (10%)	\$ 1,218,829	9.09	
	TOTAL FOR CSBE (Subtotal & Contingency)	\$13,407,244	100.00	
	Total Dedicated Allowance Total	\$ 712,532		
	PROJECT TOTAL	\$14,119,776		7.27%

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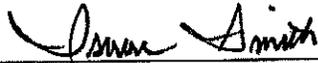
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Estimate Amount: \$14,119,776 (See Breakdown below)

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Funding Source: EW 258, WASD Revenue Bonds Sold

Small Business Enterprise – Goods and Services – 4.0%



Department Head or Authorized Agent

SBE- GOODS AND SERVICES:

The Department has evaluated the project for possible opportunities for participation in the area of SBE – Goods and Services. The work consists of the construction of approximately 13,788 linear feet of 36-inch water transmission main along SW 152 Street along with several trenchless pipe crossings under a canal and railroad. Based on the scope and nature of the work, we have concluded that are limited opportunities for participation in this project. The possible areas of subcontracting are in the area of Maintenance of Traffic, Pavement Marking, Milling and Paving. Our recommendation is in the area of Services for providing Maintenance of Traffic for the project.

Analysis for Small Business Enterprise – Goods and Services Recommendation				
Item	Goods & Services	Prime Contractor	Sub-Contractor	SBE Availability
1.	GOODS: D.I. Pipe & Fittings Air Release 54-Inch Casing	X X X		
2.	SERVICES Pipeline Construction Pavement Markings Milling & Paving Testing & Compaction Trenchless Pipe Installation Maintenance of Traffic	X X X	 X X X	

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**DEPARTMENTAL INPUT
CONTRACT MEASURE ANALYSIS RECOMMENDATION (CWP)**

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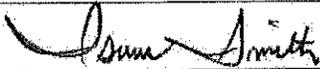
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[\$12,188,415 Construction + \$1,218,829 Contingency + \$712,532 Dedicated Allowance]

Funding Source: EW 258, WASD Revenue Bonds Sold

CWP – 10.0%



Department Head or Authorized Agent

CWP:

The Department has evaluated the project for possible opportunities for participation in the area of Community Workforce Participation. The work consists of the construction of approximately 13,788 linear feet of 36-inch water transmission main along SW 152 Street along with several trenchless pipe crossings under a canal and railroad. Based on the scope and nature of the work, the attached analysis for CWP participation is provided.

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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.: W-931

*Reference corresponding project number when submitting a work order

Contract/Project Title: FURNISH AND INSTALL 36-INCH D.I. WATER TRANSMISSION MAIN ALONG SW 152 ST. FROM SW 137 AVE. TO SW 112 AVE.

Description/Scope of Work: See Attached

Estimated Cost: 14119776 **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.
ALONG SW 152 ST. FROM SW 137 AVE. TO SW 112 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
Trenchless Construction and Pipefitters	6	420
Bituminous surface coarses (Laborers)	7	420
Traffic Stripes and Markings	5	420

Comments: The estimated number of days to complete the job may not be equal to actual amount of days indicated above. Also, the estimated number of workers per trade are utilized throughout the duration of the contract.

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: A portion of the project is within a Designated Target Area (DTA). Therefore a 10% CWP goal is applicable.

Date submitted to DBD: 05/05/2015

Contact Person: Isaac Smith

Telephone No.: 786-268-5196