

SBD - CM Review Form

To: Project Review & Analysis - Construction
From: SBD Engineer - Eric Perez
Department: Miami Dade Water & Sewer Department
Date: 5/30/2019

Contact: Issac Smith
Resubmittal:

PROJECT NUMBER: S-944
PROJECT TITLE: 60-INCH FORCE MAIN (NL-1A) BETWEEN THE INTERSECTIONS OF NE 151 STREET & BISCAYNE BOULEVARD AND NE 163 STREET & NE 8 AVENUE

Intersections of NE 151 Street and Biscayne Boulevard and NE 163 Street and NE 8 Avenue, located in Sections 16, 17 & 18, Township 52 S, Range 42E, in Miami-Dade, Florida.

PROJECT LOCATION:

SCOPE OF WORK/DESCRIPTION: The scope of work includes, but is not limited to, the furnishing and installation of approximately 12,500 linear feet of 60-inch PCCP, including the corresponding fittings and valves; microtunnel installation at NE 151st Street between Biscayne Boulevard and FEC Railroad including two (2) 30-foot deep shafts and 600 linear feet of 72-inch steel casing and 60-PCCP; microtunnel installation at the intersection of NE 154 Street and West Dixie Highway including two (2) 30-foot deep shafts and 200 linear feet of 72-inch steel casing and 60-PCCP; making one (1) tapping connections to existing 72-inch force main at NE 151 Street east of Biscayne Boulevard; furnishing and installing Air Release Valves including fifteen (15) Automatic Air Release Valves; furnishing and installing six (6) 60-inch Flanged Plug valves; relocation of approximately 1,400 feet of 12-inch ductile iron water main including one(1) fire hydrant assembly; temporary relocation of approximately a 16-inch force main; furnishing and installation of 28 access manholes; furnishing and installation of approximately 100 feet of 18-inch HDPE storm drainage pipe and 2 storm inlets.

The project also includes cleaning and testing the proposed mains; providing Maintenance of Traffic (MOT); providing off-duty police for traffic control; temporary and permanent pavement restoration; full width milling and asphalt overlay; replacing pavement markings; dewatering; stormwater pollution prevention; replacement of sod and shrubs, tree protection, trimming and root pruning, replacement of sidewalk, curb and gutter and brick pavers, and all other appurtenant and miscellaneous items and work for a complete and fully functional installation.

SPECIAL REQUIREMENTS:In addition to licensing requirements, Bidders shall be experienced in the installation of large diameter force mains (i.e. greater than 48-inch inside diameter) and experienced in construction or managing pipeline construction by involving horizontal directional drilling.

A. Bidders shall submit proof that their firm (which can include the experience of key supervisory employees that would man the project) has successfully completed at least three (3) comparable projects meeting the following criteria:

1. For each project listed, the pipe installation shall have been completed and accepted by the project owner prior to the bid submittal date.
2. Each project shall be for a minimum of 48-inch nominal inside diameter or larger.
3. At least two (2) projects shall be for the installation of a concrete water or sanitary sewer main of at least 1,000 feet each of a minimum of 48-inch diameter pipe or larger.

B. The Bidder or his trenchless construction subcontractor shall furnish a list of at least three (3) microtunnel projects for a minimum of 48-inch diameter pipe successfully completed by him or his trenchless construction subcontractor.

Due to the specialized nature of the project is not recommended for Joint Venture

Initial: EP

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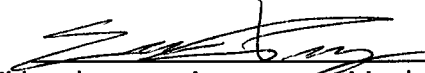
TRADES/SUBTRADES	AMOUNT		COMMENTS
Pipeline Engineering/General Engineering			
Mobilization & demobilization	\$1,143,000.00	4.34%	
Furnish 60" PCCP. Pipe and fittings w/ interior coating	\$11,328,175.00	42.98%	
Install 60" PCCP. Pipe and fittings w/ interior coating	\$2,349,050.00	8.91%	
Furnish 60" Flg. Plug Valve (Assembly Complete)	\$2,436,320.00	9.24%	
Install 60" Flg. Plug Valve (Assembly Complete)	\$282,000.00	1.07%	
Furnish 60"x24" PCCP for access manhole	\$276,275.00	1.05%	
Furnish 12" & 16" DIP WM Pipe and Fittings	\$403,500.00	1.53%	*Opportunities for Small Businesses due to requirements
Install 12" & 16" DIP WM Pipe and Fittings	\$242,850.00	0.92%	*Opportunities for Small Businesses due to requirements
For constructing all microtunnel crossings	\$2,165,500.00	8.22%	
For Constructing Air Release Valve Assemblies (ARVs)	\$128,600.00	0.49%	*Opportunities for Small Businesses due to requirements
For removal and disposal of debris & unsuitable material	\$50,000.00	0.19%	*Opportunities for Small Businesses due to requirements
For furnishing & Installing suitable backfill material	\$60,000.00	0.23%	
Construction limerock base for Type "II" Permanent Paving	\$702,440.00	2.67%	*Opportunities for Small Businesses due to requirements
Milling existing Asphalt Pavement	\$5,000.00	0.02%	
For restoring Sodded Area	\$10,125.00	0.04%	*Opportunities for Small Businesses due to requirements
For constructing Concrete curb and gutter restoration	\$17,500.00	0.07%	*Opportunities for Small Businesses due to requirements
Sheeting and Shoring	\$160,500.00	0.61%	
Polyethylene Wrap (V Bio Polyethylene) for D.I. Fittings	\$3,340.00	0.01%	
For Access Manholes	\$510,000.00	1.94%	
For installing loop detectors	\$35,000.00	0.13%	
For construction of all drainage utilities	\$46,900.00	0.18%	*Opportunities for Small Businesses due to requirements
For constructing Fire Hydrant Assemblies	\$4,000.00	0.02%	
For installing viton gaskets for PCCP	\$132,000.00	0.50%	*Opportunities for Small Businesses due to requirements
Furnish Traffic Control for MOT	\$1,129,270.00	4.28%	
for providing public outreach	\$20,000.00	0.08%	
for Stormwater Pollution Prevention Plan	\$225,855.00	0.86%	

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TRADES/SUBTRADES	AMOUNT		COMMENTS
Paving			
For Replacing concrete pavement in driveways	\$36,666.00	0.14%	*Opportunities for Small Businesses due to requirements
For Replacing tiles/bricks pavement in driveways	\$26,666.00	0.10%	*Opportunities for Small Businesses due to requirements
For replacing pavement markings damaged	\$30,000.00	0.11%	
BASE TOTAL	\$23,960,532.00	90.91%	
Contingency Allowance (10% of Base Estimate)	\$2,396,053.20	9.09%	
TOTAL AMOUNT	\$26,356,585.20	100.00%	

Small Business Development Signature: _____



Date: _____

5/31/19

***Trades/Sub-Trades identified for possible subcontracting opportunities by SBD CM**

WASD is recommending **6.83%**

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