

SBD - CM Review Form

To: Project Review & Analysis - Construction
From: SBD Engineer - Eric Perez
Department: Miami Dade Water & Sewer Department
Date: 7/9/2019

Contact: Isaac Smith
Resubmittal:

PROJECT NUMBER: W-943
PROJECT TITLE: FURNISH AND INSTALL 36-INCH D.I. WATER MAIN ALONG NW 106 ST., FROM NW 107 AVE. TO NW SOUTH RIVER DR.
PROJECT LOCATION: Along 106 Street, from NW 107 Ave. to NW South River Drive

SCOPE OF WORK/DESCRIPTION: The project consists of furnishing and installing approximately 12,000 linear feet of 36-inch ductile iron pipe and fittings including: 36-inch butterfly valves with reinforced concrete manholes, 8-inch blow-off assemblies; furnishing and constructing air release valve assemblies; making inline connection to a proposed 36-inch water main (FOOT Project # 405615-3-56.01) at NW South River Dr. north west of NW 87 Ave. including mechanical joint restrained solid sleeve; approximately 297 linear feet of micro tunneling under existing FEC railroad right-of-way, with steel casing, drill shafts, and proposed area of construction; approximately 50 linear feet of subaqueous canal crossing at Russian Colony Canal; making an inline connection to existing an 24-inch ductile iron water main at NW 116 Way west of NW 107 Ave., including mechanical joint restrained butterfly valve and concentric reducer; and V-Bio polyethylene encasement for ductile iron pipe and fittings. The Project is located in Sections 32 and 33, Township 52, Range 40, Town of Medley, Miami-Dade County, Florida. The project also includes providing permanent pavement restoration; full width milling, and asphalt overlay of existing roadways; and, replacing pavement markings. Ancillary work includes all permitting; dewatering; storm water pollution prevention; removing unsuitable soils and installing suitable backfill material where required; replacement of sod and shrubs; tree protection, trimming, root pruning; dewatering the water mains after shutdown; site restoration; performing work with time and weather limitations and other appurtenant and miscellaneous items; Maintenance of Traffic (MOT) plans; providing off-duty police for traffic control as may be required by the Department or governing authorities; and, all work necessary for a complete, fully functional and satisfactory installation.

SPECIAL REQUIREMENTS: 1. In addition to the license requirements, the Bidder must have a minimum of three (3) years of experience, under its current business name (which can include the experience of key supervisory employees that would man the project), in the construction of roadway | horizontal projects of similar scope and scale involving public right-of-way construction | installation | repair | replacement of main water distribution systems and/or main sanitary sewer collection systems, and maintenance of vehicular traffic, supported by references for three (3) projects completed within the past five (5) years. Submitted reference Projects must demonstrate that the Bidder served as the Prime Contractor for the referenced Projects provided.

2. The Bidder must demonstrate that it has full-time personnel with the necessary experience to perform the Project's Scope of Work. This experience shall include work in successfully completed projects performed by the identified personnel whose bulk of work performed in the public right-of- way is similar in detail to the Project's Scope of Work described in these Solicitation Documents. Demonstrate the experience requirement by:

a. Providing a detailed description of at least three (3) projects similar in detail to the Project's Scope of Work described in these Solicitation Documents and in which the Bidder's identified personnel is currently engaged or has completed within the past five (5) years. List and describe the aforementioned projects and state whether the work was performed for the County, other government clients, or private entities.

b. For each project listed, the pipe installation shall have been completed and accepted by the project owner prior to the bid submittal date.

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

Initial: EP

Date: 7/10/2019

TRADES/SUBTRADES	AMOUNT		COMMENTS
Mobilization & demobilization	\$305,000.00		
Furnish 36-inch DIP pipe and fittings	\$2,814,000.00		
Install 36-inch DIP pipe and fittings	\$1,698,100.00		*Opportunities for Small Businesses due to requirements
Microtunnel under FEC Railroad	\$1,400,000.00		
Subaqueous canal crossing	\$94,000.00		
Furnish 36" & 24" Butterfly Valve	\$307,000.00		
Installing 36" & 24" Butterfly Valve	\$14,500.00		
Constructing air release valves	\$18,000.00		*Opportunities for Small Businesses due to requirements
Constructing blow-off assemblies	\$46,000.00		*Opportunities for Small Businesses due to requirements
Trench Overcut	\$55,500.00		
Sheeting and Shoring	\$84,000.00		
Restoration of Sodding, Pruning & Tree Prot.	\$28,000.00		*Opportunities for Small Businesses due to requirements
Guardrail - Removal & Replacement	\$58,000.00		*Opportunities for Small Businesses due to requirements
Traffic Loop Detection Assemblies	\$5,500.00		
Concrete, curb & Gutter	\$162,000.00		*Opportunities for Small Businesses due to requirements
Removal & Disposal - Unsuitable Material	\$204,000.00		*Opportunities for Small Businesses due to requirements
Additional Suitable Backfill Material	\$156,000.00		*Opportunities for Small Businesses due to requirements
Furnishing Traffic Control	\$614,566.00		
Limerock for Type 1 Paving	\$114,000.00		*Opportunities for Small Businesses due to requirements
Type 1 - Permanent Paving	\$62,700.00		
Milling & Type V paving	\$329,472.00		*Opportunities for Small Businesses due to requirements
Replacing pavement markings	\$31,300.00		*Opportunities for Small Businesses due to requirements
BASE TOTAL	\$8,601,638.00	90.91%	
Contingency Allowance (10% of Base Estimate)	\$860,163.80	9.09%	
TOTAL AMOUNT	\$9,461,801.80	100.00%	

Small Business Development Signature: 

Date: 7/10/2019

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

WASD is recommending **15.65%**

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