

SBD - CM Review Form

To:	Project Review & Analysis - Construction		
From:	SBD Engineer - Eric Perez		
Department:	Miami Dade Water & Sewer Department	Contact:	Issac Smith
Date:	10/13/2020	Resubmittal:	

PROJECT NUMBER:	W-942
PROJECT TITLE:	72-INCH WATER MAIN IN WEST 2ND AVENUE BETWEEN 11TH STREET AND 13TH STREET
PROJECT LOCATION:	Along West 2nd Avenue between 11th Street and 13th Street

SCOPE OF WORK/DESCRIPTION: The scope of work includes furnishing and installing approximately 80 LF of 48-inch, 60 LF of 54-inch, 300 LF of 60-inch, and 776 LF of 72-inch PCECP water mains; seven (7) flanged butterfly valves with operators of 48-inch, 54-inch, 60-inch, and 72-inch sizes; four (4) access manholes with vaults; two (2) manual air release valves; four (4) blow-off valve assemblies; interconnections to existing 60-inch, 54-inch, and 48-inch Prestressed Concrete Cylinder Pipe (PCCP), within the Preston Water Treatment Plant compound and in West 2nd Avenue. The project includes the relocation of existing water, sewer, drainage, and compressed air facilities along the route of the new PCECP main, including furnishing and installing approximately 135 LF of 8-inch DIP water main, valves, and fittings; 196 LF of 8-inch PVC gravity sewer and fittings; five (5) sanitary manholes; 20 LF of 15-inch, 122 LF of 18-inch, and 92 LF of 24-inch diameter high-density polyethylene (HDPE) storm sewer and fittings, three (3) Type 'P' catch basins, four (4) Type 'P' manholes, one (1) concrete endwall, french drain installation, and swale grading; restoration and reconstruction of concrete sidewalk, driveway, curb and gutter; milling and resurfacing of existing pavement; replacement of pavement markings damaged or removed by construction activities; replacement of sod; and restoration of all green areas, fencing, gates, irrigation lines and all other items affected by construction operations.

SPECIAL REQUIREMENTS: Bidders shall submit proof that their firm (which can include the experience of key supervisory employees that would man the project) has successfully completed comparable projects meeting the following criteria:

1. The Contractor shall have completed, as prime, a minimum of one project involving PCCP materials of construction, of sizes 48-inches or larger in South Florida geology
2. The Contractor shall have installed at least 2,000 LF of Prestressed Concrete Cylinder Pipe of 48-inches or larger within the past 10 years.
3. The Contractor's key personnel shall have experience with installation of PCCP (foreman, superintendent, operator) at least 3 projects or 2,000 LF

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

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.

Initial: EP


Date: 10/13/20

TRADES/SUBTRADES	AMOUNT		COMMENTS
Pipeline Engineering/General Engineering			
Mobilization	\$407,666.00		
Furnishing 48-inch PCECP pipe and fittings	\$149,100.00		
Installing 48-inch PCECP pipe and fittings	\$229,565.00		
Furnishing 54-inch PCECP pipe and fittings	\$159,240.00		
Installing 54-inch PCECP pipe & fittings	\$174,785.00		
Furnishing 60-inch PCECP pipe and fittings	\$1,077,935.00		
Installing 60-inch PCECP pipe & fittings	\$1,448,050.00		
Furnishing 72-inch PCECP pipe and fittings	\$1,607,815.00		
Installing 72-inch PCECP pipe & fittings	\$1,417,750.00		
Furnishing 48", 54", 60" & 72" Butterfly Valve	\$574,000.00		
Installing 48", 54", 60" & 72" Butterfly Valve	\$180,000.00		*Opportunities for Small Businesses due to requirements
Furnishing access manholes	\$203,500.00		
Constructing access manholes	\$166,000.00		*Opportunities for Small Businesses due to requirements
Constructing air release valves	\$8,430.00		*Opportunities for Small Businesses due to requirements
Constructing blow-off assemblies	\$28,975.00		*Opportunities for Small Businesses due to requirements
Small diameter utility piping	\$43,864.00		*Opportunities for Small Businesses due to requirements
Constructing Storm sewer	\$24,550.00		*Opportunities for Small Businesses due to requirements
Constructing HDPE drainage	\$23,610.00		*Opportunities for Small Businesses due to requirements
Pre-construction Soft-Dig	\$7,245.00		*Opportunities for Small Businesses due to requirements
Geotechnical monitoring devices	\$19,000.00		*Opportunities for Small Businesses due to requirements
Constructing concrete sidewalk, curb & gutter	\$43,155.00		*Opportunities for Small Businesses due to requirements
Stamped concrete restoration	\$3,700.00		*Opportunities for Small Businesses due to requirements
Restoration of fencing, gates & irrigation	\$5,270.00		
Sodding Restoration	\$17,980.00		
Paving			
Limerock for Type 1 Paving	\$46,535.00		*Opportunities for Small Businesses due to requirements
Type 1 - Permanent Paving	\$20,885.00		*Opportunities for Small Businesses due to requirements

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TRADES/SUBTRADES	AMOUNT		COMMENTS
Milling & Type V paving	\$15,625.00		*Opportunities for Small Businesses due to requirements
Replacing pavement markings	\$3,175.00		
Furnishing Traffic Control	\$35,000.00		
BASE TOTAL	\$8,142,405.00	90.91%	
Contingency Allowance (10% of Base Estimate)	\$814,240.50	9.09%	
TOTAL AMOUNT	\$8,956,645.50	100.00%	

Small Business Development Signature:  Date: 10/13/2020

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

WASD is recommending 5.29%