

SBD - CM Review Form

To:	Project Review & Analysis - Construction		
From:	SBD Engineer - Eric Perez		
Department:	Miami Dade Water & Sewer Department	Contact:	Issac Smith
Date:	12/20/2018	Resubmittal:	

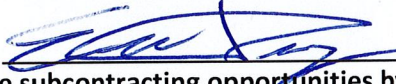
PROJECT NUMBER:	S-918
PROJECT TITLE:	Replacement of 8-Inch Sanitary Sewer Sub-Aqueous Crossing (Inverted Siphon) under the Sabal Lake Canal (PS 0021)
PROJECT LOCATION:	Section 19, Township 53, Range 42, Bay Point Island

SCOPE OF WORK/DESCRIPTION: The project consists of the replacement by a trenchless method of approximately 150 LF of existing 8-inch Sanitary Sewer subaqueous crossing under the Sabal Lake Canal (Inverted Siphon) that connects the Bay Point Island sewer system with Pump Station 0021 sewer system. The work includes also includes, but is not limited to the following tasks: design of pipeline installation; trenchless pipe installation; bypassing of sanitary sewer flows, dewatering and interior cleaning of the pipe; milling, asphalt pavement restoration, installing pavement markings, signing, and temporary and permanent pavement repairs; setting staging and working areas approved by the Home Owner's Association (HOA) of Bay Point, and any other appurtenant and miscellaneous items and work for a complete, functional and satisfactory installation. All work shall be done with minimal interruption to newly built Pumping Station 0021, located in Section 19, Township 53, Range 42, in Miami-Dade, Florida. The project also includes providing Maintenance of Traffic (MOT) plans; providing off-duty police for traffic control as may be required by the Department or governing authorities; permanent pavement restoration and 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 and site restoration.

SPECIAL REQUIREMENTS: This project involves replacement of an 8-inch subaqueous crossing under the Sabal Lake Canal, which is the dedicated pipeline that connects Bay Point Island with the Pump Station 0021 sewer system. The project is being bid out as a Performance Specification where the technology utilized for trenchless pipe installation will be up to the contractor (Lowest cost for a system that meets all requirements of Performance Specification). These systems typically involve digging an entry and retrieval pit, line with steel sheet piling and a tremmie concrete bottom to provide a dry environment for the work and trenchless pipe installation with specialized equipment. **This project will be bid out under RTQ-00298 Pre-qualification for Trenchless Technologies**, for competition among all Group 1 Bidders and will be processed via processed under Section 2-8.1.12 of the Code

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.

TRADES/SUBTRADES	AMOUNT	PERCENTAGE	COMMENTS
Prime Contractor			
Mobilization and Demobilization	\$76,866.00	7.91%	Must meet Special Requirements. Vendor must be part of Pre-Qualified Pool
Replacement of 8-inch Sub-Aqueous Crossing	\$558,900.00	57.48%	
Sewer By-Pass Pumping	\$120,000.00	12.34%	
Type M Paving	\$3,190.00	0.33%	
Milling and Paving Overlay	\$12,075.00	1.24%	
Landscaping	\$15,000.00	1.54%	
Sod	\$10,000.00	1.03%	
MOT and Traffic Control	\$38,433.00	3.95%	
Sub Contractor			
Demolition (Sewer tank, access hatches, piping, etc.)	\$40,000.00	4.11%	*Possible opportunities for Small Businesses
Concrete Valley Gutter	\$6,900.00	0.71%	
Limerock Base	\$2,596.00	0.27%	
BASE TOTAL	\$883,960.00	90.91%	
Contingency Allowance (10% of Base Estimate)	\$88,396.00	9.09%	
TOTAL AMOUNT	\$972,356.00	100.00%	

Small Business Development Signature:  Date: 12/20/2018

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

WASD is recommending **5.09%**

