

## SBD - CM Review Form

<b>To:</b>	Project Review & Analysis - Construction		
<b>From:</b>	SBD Engineer - Eric Perez		
<b>Department:</b>	Miami Dade Water & Sewer Department	<b>Contact:</b>	Issac Smith
<b>Date:</b>	10/28/2020	<b>Resubmittal:</b>	

<b>PROJECT NUMBER:</b>	S-931
<b>PROJECT TITLE:</b>	OCEAN OUTFALL LEGISLATION PROGRAM CONSTRUCTION PACKAGE ST-2A HEADWORKS 3, OXYGENATION TRAINS 9 & 10, AND SUBSTATION 57/58
<b>PROJECT LOCATION:</b>	8950 SW 232nd Street Miami, Florida

**SCOPE OF WORK/DESCRIPTION:** the project consists of furnishing all materials, labor, and equipment necessary for the construction of proposed headworks, two oxygenation trains and odor control facilities at the South District Wastewater Treatment Plant (SDWWTP), located at 8950 SW 232nd Street Miami, Florida. The project also includes the installation of large diameter pipelines including a connection to an existing 72-inch force main at SW 232 Street. The scope of work includes, but is not limited to, construction of a new influent metering valve box, a new headworks building (Headworks 3) with an attached odor control building, construction of two new oxygenation trains (Oxygenation Trains 9 and 10), construction of a new electrical substation and electrical building, and the integration of these new structures with the rest of the plant. Specifically, the work includes the following: 1. Demolition - Sitea. Demolition of existing piping, pavement, conduits and duct banks as indicated in the Plans. 2. Construction –232nd Street Force Main Tie-in, Influent Metering Valve Box, Headworks 3, Odor Control Building, and Process Drain Lift Station a. Construction of a connection to an existing plant 72-inch influent force main header located on SW 232nd Street. b. Construction of a new influent valve box which will regulate the flow to a new headworks building.

SBE-Construction for Contract S-931, Page 2 c. Construction of a new headworks building and grit chamber (Headworks 3). d. Construction of a new lift station which will receive flow from the process drains from the new headworks. e. Construction of interconnecting piping between existing and new facilities. f. Furnishing and installation of pumps, screens, collectors, conveyors, gates, valves, and other process mechanical equipment. g. Furnishing and installation of fire alarm systems,

**SPECIAL REQUIREMENTS:**1. With the bid, the successful Bidder shall submit proof that the firm has at least the minimum successful contract experience as required below for this Contract. Such proof shall consist of a list of projects, completed prior to the bid date, with the names and telephone numbers of the Department’s or representatives that the Department can contact to confirm the listed experience. 2. The Bidder shall have successfully completed a minimum of three (3) projects demonstrating experience with large wastewater treatment upgrade projects having a total construction value (for each project) of greater than \$75 million. 3. The Bidder’s proposed project manager shall have successfully completed a minimum of three (3) projects demonstrating experience with large wastewater treatment upgrade projects having a total construction value (for each project) of greater than \$75 million. 4. The Bidder or the Bidder’s Large Diameter Piping Subcontractor shall have successfully completed a minimum of three (3) projects demonstrating experience constructing piping projects that include 72” or larger prestressed concrete cylinder pipe with runs greater than 300 feet and which include connections to existing 72” or larger prestressed concrete cylinder pipe. 5. The Bidder or the Bidder’s Large Diameter Piping Subcontractor Project Manager shall have successfully completed a minimum of three (3) projects demonstrating experience constructing piping projects that include 72” or larger prestressed concrete cylinder pipe with runs greater than 300 feet and which include connections to existing 72” or larger prestressed cylinder pipe. 6. The Bidder or Bidder’s Electrical Subcontractor shall have successfully completed a minimum of three (3) projects demonstrating experience with medium or high voltage power supply systems, including transformers and switchgear. 7. The Bidder or Bidder’s Electrical Subcontractor Lead Electrician shall have successfully completed a minimum of three (3) projects demonstrating experience with medium or high voltage power supply systems,

TRADES/SUBTRADES	AMOUNT		COMMENTS
Pipeline Engineering/General Engineering			
General Site	\$23,151,540.00		*Opportunities for Small Businesses due to requirements
Influent Flow Meter and Valve Box	\$6,139,412.00		*Opportunities for Small Businesses due to requirements
Headworks Building 3	\$24,927,176.00		*Opportunities for Small Businesses due to requirements
Odor Control Building 4	\$1,401,823.00		*Opportunities for Small Businesses due to requirements
Oxygenation Tank 9	\$6,900,804.00		*Opportunities for Small Businesses due to requirements
Oxygenation Tank 10	\$7,000,060.00		*Opportunities for Small Businesses due to requirements
Oxygen Train Sampling Bldg.	\$233,902.00		*Opportunities for Small Businesses due to requirements
Substation 57/58	\$8,930,164.00		*Opportunities for Small Businesses due to requirements
Oxygen Train 9-12 Electrical Bldg.	\$2,884,195.00		*Opportunities for Small Businesses due to requirements
<b>BASE TOTAL</b>	\$81,569,076.00	90.91%	
Contingency Allowance (10% of Base Estimate)	\$8,156,907.60	9.09%	
<b>TOTAL AMOUNT</b>	\$89,725,983.60	100.00%	

Small Business Development Signature: Eric Perez Date: 10/28/2020  
**\*Trades/Sub-Trades identified for possible subcontracting opportunities by SBD CM**  
**WASD is recommending 10.65%**