

SBD - CM Review Form

To:	Project Review & Analysis - Construction		
From:	SBD Engineer - Eric Perez		
Department:	Miami Dade Water & Sewer Department	Contact:	Issac Smith
Date:	3/12/2021	Resubmittal:	

PROJECT NUMBER:	RPQ No. P0246
PROJECT TITLE:	Alexander Orr Jr. WTP Radiator Installation for Engine No.6
PROJECT LOCATION:	6800 SW 87th Ave., Miami, FL 33173

SCOPE OF WORK/DESCRIPTION:The scope of work consists of the installation of an owner furnished radiator for Engine No.6 and all equipment necessary to install the radiator which includes one new radiator, steel structural elements above ground anchored on existing walls, electrical elements, valves and piping, and a new radiator motor starter control panel and gear reducer pump motor starter. The work include the following:

1. Structural:
 - a) Partial demolition of existing concrete parapet and steel railing.
 - b) Install new elevated radiator support structure with railings and stairs
 - c) Install new pipe supports for engine cooling water
2. Electrical/Instrumentation:
 - a) Install new radiator interconnection wiring and conduit
 - b) Install new radiator motor running contacts, flow switches and level switches
 - c) Install new radiator fan motor starter control panel
 - d) Install new reducer gear cooling water pump motor starter
3. Mechanical:
 - a) Install new remote radiator on outdoor platform.
 - b) Install Jacket Water/After Cooler 1, After Cooler 2/ Oil Cooler and Reducer Gear Supply and Return Piping with necessary valves, supports and fittings.
 - c) Install new piping for radiator and emergency cooling water systems
 - d) Commissioning, start up and testing of Pump 6 and Gas Engine 6 (2500 hp) which were installed under a separate Contract.

LICENSES: The types of licenses required are: State General Building Contractor (Prime), General Engineering Contractor (Prime), General Mechanical(sub), Electrical (Sub).and/or other categories as applicable by Chapter 489 of the Florida Statutes or Chapter 10 of Miami-Dade County Code.

SPECIAL REQUIREMENTS:Bidders shall submit proof that his/her firm has at least the minimum successful contract experience as requested below:

- A. With his bid, the successful Bidder shall submit proof that his/her firm has at least the minimum successful contract experience as required below for this project being bid. Such proof shall consist of a list of projects, completed prior to the bid date, with the names and telephone numbers of the owners or representatives the Department can call and confirm the listed experience.
- B. In addition to submittal requirements stated elsewhere, to qualify for work on this project the Bidder shall be experienced with 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 ten (10) years..
- C. The experience of key senior personnel with other firms may be counted toward the experience requirement, if acceptable to the ENGINEER. Should such evidence not be satisfactory to the ENGINEER, whose decision shall be final.

TRADES/SUBTRADES	AMOUNT		COMMENTS
General Building Contractor/ General Engineering			
Mobilization	\$137,630.00		
Removal & demolition	\$16,950.00		*Possible opportunities for Small Businesses
Sitework: Clearing, grubbing & earthwork	\$34,580.00		*Possible opportunities for Small Businesses
Installation of Radiator for Engine #6	\$34,500.00		
Structural			
Structural work - steel plate beams, railings, grates, ladders, equipment supports, structural pads, outdoor platforms, etc.	\$225,290.00		*Possible opportunities for Small Businesses
General Mechanical			
Piping work - piping, fittings, hangers, mechanical pipe restraints and specials, water jacket, after cooler, oil cooler	\$279,610.00		
General Electrical			
Electrical work - includes motor starter, control junction box, radiator motor starter control panel, relocations, support systems, integration, RTU, electrical studies, flow and level	\$151,060.00		*Possible opportunities for Small Businesses
BASE TOTAL	\$879,620.00	90.91%	
Contingency Allowance (10% of Base Estimate)	\$87,962.00	9.09%	
TOTAL AMOUNT	\$967,582.00	100.00%	

Small Business Development Signature: Eric Perez Date: 3/12/2021

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

WASD is recommending **12.89%**