

SBD – CM REVIEW FORM

To: Business Opportunity Support Division – Construction

From: SBD CM Vivian Forhat-Diaz

Department: PWWD

Contact: Elva R. Reyes

Date Received: 03/13/14

RESUBMITTAL: No

PROJECT NUMBER: 20140046

PROJECT TITLE: Larchmont Gardens Pump Station Retrofit Phases 1 & 2

PROJECT LOCATION: NW 6th Ave to the West, North Miami Ave. to the East, NW 82nd St to the South and New Little River Canal C-7 (NW 85th St) To the North.

SCOPE OF WORK/DESCRIPTION: all supervision, labor, materials, equipment, tools and performing all necessary operations required to Phase 1: the construction of a new stormwater pump station and its conveyance system with a pumping capacity of 20 CFS which will be achieved by using two (2) electric submersible pumps of 10 CFS each. Additionally, this station will include an emergency diesel backup generator and a Supervisory Control and Data Acquisition System (SCADA) for remote monitoring and control of the pumps and generator. The new station will be at the intersection of NW 85 St and NW 2nd Avenue. Phase 2: the complete demolition and reconstruction of the existing Larchmont Gardens Stormwater Pump Station. The reconstructed stormwater pump station will have a pumping capacity of 40 CFS which will be achieved by using two (2) electric submersible pumps of 20 CFS each. Additionally, this station will include an emergency diesel backup generator and a Control and Data Acquisition System (SCADA) for remote monitoring and control of the pumps and generator. The existing and reconstructed pump station is located at the intersection of NW 85 Street and NW 5 Avenue. During the entire duration of construction the contractor has to provide and maintain the pumps necessary to continue the existing emergency pumping capabilities for the drainage system servicing the neighborhood that discharges into the C-7 canal.

SPECIAL REQUIREMENTS: Prime Contractor: shall hold a General Engineering Contractor or a Specialty Engineering Contractor, commensurate to the requirements of the Scope of Work, in one or more engineering crafts to include structural engineering contractor. Pursuant to Section 255.20, Florida Statutes (F.S.) and in lieu of the above, the County may consider a bid from a Prime that is a duly licensed Contractor in good standing that has been prequalified and considered eligible by the Florida Department of Transportation (FOOT) under Section 337.14, F.S. and Chapter 14-2, Florida Administrative Code, to perform the work described in the Contract Documents. Contractors seeking consideration under this paragraph shall submit along with the Bid Documents for review and consideration, current copy (ies) of their FOOT Certificate(s) of Qualification, Certification of Work Underway, and Status of Contract(s) On Hand. Acceptable FOOT prequalification(s) necessary to perform the work specified in the Project's Scope of Work shall include the Pump Station Work Class.

TRADES/SUBTRADES	AMOUNT	COMMENTS
		PRIME
Barricades (temporary - Types I, II, VP and Drum)	\$4,380.00	Must meet Special requirements. Primary scope of work includes all line items noted.
Advance Warning Arrow Panel	\$19,564.00	
Clearing and grubbing	\$35,000.00	
Building Demolition	\$100,000.00	
Desilting Inlet Structure	\$1,280.00	
Desilting Pipes	\$600.00	

Small Business Development Signature: *Vivian Forhat-Diaz* Date: 03/21/14

***Trades/Subtrades identified for possible subcontracting opportunities by SBD CM**

PWWD is recommending 12% for CSBE participation.

PROJECT NUMBER: 20140046 (Continuation)

		PRIME
Sediment Barrier	\$1,200.00	Must meet Special requirements. Primary scope of work includes all line items noted
Turbidity Barrier	\$6,600.00	
Inlet Protection System	\$160.00	
Embankment (Borrow material from the contractor's own source, includes grading)	\$1,958.00	
Manhole Type P-7T (Any dimension) (Max. 15' Deep)	\$14,400.00	
Manhole Type J-7T (Any dimension) (Max. 15' Deep)	\$31,200.00	
Junction Box, Drainage, Special, > 10' - Valve Box (Concrete)	\$32,000.00	
Pollution Control Structure (Two Chambers with Weir or Baffle) (Any Dimension) (Max. 15' Deep)	\$16,000.00	
Energy Dissipating Outfall (Complete with Canal Bank Stabilization)	\$60,000.00	
Steel Box Culvert Weir Structure	\$4,000.00	
Core and Tie to existing drainage structures. (Any pipe size hole opening) (Including mortar seal) (This item is contingent upon field conditions and may increased, decreased or eliminated by the Engineer)	\$1,000.00	
Pipe Culvert - 24" Diameter	\$33,504.00	
Pipe Culvert - 36" Diameter	\$29,104.39	
Pipe Culvert - 48" Diameter	\$25,254.72	
24" SLUICE GATE (Complete, including assembly, manual actuator, and mechanical lift) (Watch Technologies or approved equal)	\$4,000.00	
Ductile Iron Pipe and Fittings, 18" Diameter	\$2,400.00	
Ductile Iron Pipe and Fittings, 24" Diameter	\$56,000.00	
18" DIP - 45 Degree Bend	\$6,000.00	
18" DIP - 90 Degree Bend	\$18,000.00	
24" DIP - 45 Degree Bend	\$16,000.00	
DIP 18" X 24" Enlarger	\$8,000.00	
DIP 18" X 24" WYE Branch	\$7,000.00	
Pump Station 1 & 2 (Includes, but not limited to, excavation, assembly, concrete, steel reinforcement, pumps, pump control panel, vault, pipes, fittings, trash rack, manual sluice gate, RTU controlled sluice gate, ultra sonic transmitter, pressure transducer, all electrical conduit with wire, all miscellaneous items, appurtenances, materials, and labor necessary for a complete and functional pump station) (exclude Electrical & Mechanical work)	\$1,454,000.00	
Milling Existing Asphalt Pavement (up to 5,000 square yards) (1" average depth)	\$5,032.50	
Roadway Pavement Restoration (Replace and match existing base thickness and asphalt course with 8" minimum, primed Limerock Base and 1" thick of HMA, Asphalt Work Category 3)	\$48,312.00	
Inlet Pavement (Includes 6" Limerock Base and 1" thick of HMA, Asphalt Work Category 2)	\$1,012.00	
Hot Mix Asphalt, Traffic C	\$15,860.00	
Driveway Pavement - Asphalt	\$2,220.00	
Driveway Pavement - Concrete	\$4,440.00	

PWWD is recommending 12% for CSBE participation.

PROJECT NUMBER: 20130281 (Continuation)

		Concrete Contractor
Flowable Fill	\$2,500.00	*Possible Subcontracting opportunities
Class I Concrete (miscellaneous, pipe, collars, plugs, etc.)	\$1,310.00	
Concrete Sidewalk (4" thick)(Class I concrete, 3000 P.S.I.)(Including pedestrian ramps and sidewalk curbs)	\$2,760.00	
Concrete Driveway Restoration (6" thick, Class I Concrete, 3000 P.S.I. at 28 days, includes sidewalks and driveway approach)	\$1,496.00	
Detectable Warning on Walking Surface	\$1,800.00	
		Pavement Marking Contractor
Thermoplastic (White) (Solid) (6")	\$96.00	*Possible Subcontracting opportunities
Thermoplastic (Yellow) (Solid) (6")	\$96.00	
Thermoplastic (White) (Solid) (12")	\$180.00	
		Fence Contractor
Relocate Existing Fence	\$2,000.00	*Possible Subcontracting opportunities
6' High Chain Link Fence	\$5,994.00	
Fence Gate, Type A, Single, 0-6.0' Opening	\$1,500.00	
Fence Gate - Type B, Sliding/Cantilever, 12' -18- Opening	\$2,000.00	
		Mechanical Contractor
Valve Assembly - 24" Check Valves (C.I.)	\$24,000.00	*Possible Subcontracting opportunities
Valve Assembly 24" Plug Valve (C.I.)	\$64,000.00	
Pump Station 1 & 2 Mechanical Work	\$400,000.00	
		Electrical Contractor
Emergency Generator with ATS and Fuel Tank (Full)	\$160,000.00	*Possible Subcontracting opportunities
Telemetry System	\$100,000.00	
Pump Station 1 & 2 Electrical Work	\$100,000.00	
		Open
Electrical Power Service (Done by FPL)	\$125,000.00	Done by Utility Company
Sodding - St Augustine, or match existing, (includes watering and maintenance. Contingent item based on field conditions, may be increased, or decreased by the engineer).	\$17,024.00	Not a construction trade
ESTIMATED BASE TOTAL	\$3,077,237.61	
CONTINGENCY ALLOWANCE (10% BASE ESTIMATE)	\$307,723.76	
BASE TOTAL INCLUDING CONTINGENCY	\$3,384,961.37	
MAINTENANCE OF TRAFFIC	\$61,544.75	
OFF-DUTY LAW ENFORCEMENT OFFICER	\$96,000.00	
ALLOWANCE PERMITS	\$30,772.38	
TOTAL ESTIMATED COST	\$3,573,278.50	

PWWD is recommending 12% for CSBE participation.