

St. Charles Parish Department of Public Works

ENGINEERING SERVICES PROPOSAL
for
SCHEXNAYDRE PUMP STATION MODIFICATIONS

Evans-Graves Engineers, Inc.

April 29, 2019

PHASE IA - PRELIMINARY DESIGN (SEE NOTE 1)

(Task includes preliminary civil engineering design, site visits, calculations, meetings and coordination, coordination with equipment supplier, and cost estimating.)

Category	Manhours	Rate	Subtotal
Principal (P.E.)	12	\$185.00	\$2,220.00
Senior Engineer (P.E.)	24	\$145.00	\$3,480.00
Technician	48	\$80.00	\$3,840.00
Administrative Asst.	8	\$55.00	\$440.00

PHASE TOTAL **\$9,980.00**

PHASE IB - FINAL DESIGN

(Task includes final civil engineering design, meetings and coordination, production of Bidding Documents to include Final Plans and the Project Manual (incorporation of civil and mechanical Technical Specifications into the Parish-supplied front-end documents), quantity takeoffs, and construction cost estimating.)

Category	Manhours	Rate	Subtotal
Principal (P.E.)	24	\$185.00	\$4,440.00
Senior Engineer (P.E.)	56	\$145.00	\$8,120.00
Technician	80	\$80.00	\$6,400.00
Administrative Asst.	24	\$55.00	\$1,320.00

PHASE TOTAL **\$20,280.00**

PHASE IC - ENGINEERING SERVICES DURING BIDDING

(Task includes coordination, responding to questions and requests, revisions, production and issuance of Addenda, attendance at Pre-Bid Meeting and Bid Opening, tabulation of bid results, and recommendation of award.)

Category	Manhours	Rate	Subtotal
Principal (P.E.)	4	\$185.00	\$740.00
Senior Engineer (P.E.)	8	\$145.00	\$1,160.00
Technician	8	\$80.00	\$640.00
Administrative Asst.	4	\$55.00	\$220.00

PHASE TOTAL **\$2,760.00**

PHASE ID - ENGINEERING SERVICES DURING CONSTRUCTION

(Task includes site visits, meetings and coordination, responding to questions and RFI; review of: submittals, testing lab reports, and contractor invoices; substantial completion and final acceptance walkthroughs and documentation; record drawings; and project closeout. Task does NOT include resident inspection or materials testing lab services.)

Category	Manhours	Rate	Subtotal
Principal (P.E.)	16	\$185.00	\$2,960.00
Senior Engineer (P.E.)	32	\$145.00	\$4,640.00
Technician	24	\$80.00	\$1,920.00
Administrative Asst.	16	\$55.00	\$880.00

PHASE TOTAL **\$10,400.00**

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SUBTOTAL - ENGINEERING PHASES **\$43,420.00**

PHASE IIA - DATA COLLECTION AND SURVEYING COORDINATION

(Task includes site visit, obtaining all available records on existing Pump Station, and coordination with Owner-supplied Topographic Surveyor to identify needs for survey of pump station, including intake, sump, discharge, and all surface and subsurface utilities and features, including cross-sections in the sump. No record drawings of the Station exist.)

Category	Manhours	Rate	Subtotal
Topographic Surveyor Services (Purchased by Owner)	Lump	\$0.00	\$0.00
Principal (P.E.)	6	\$185.00	\$1,110.00
Senior Engineer (P.E.)	16	\$145.00	\$2,320.00
Technician	4	\$80.00	\$320.00

PHASE TOTAL **\$3,750.00**

PHASE IIB - SUPPLEMENTAL SERVICES: PERMITTING (SEE NOTE 2)

(Task includes meetings and coordination, preparation and production of permit documents and drawings, submittals, and revisions. Permits will include Coastal Use and Corps. Task does NOT include payment of any required agency permit fees.)

Category	Manhours	Rate	Subtotal
Drainage Study/Report (if needed)	1	\$6,000.00	\$6,000.00
Principal (P.E.)	8	\$185.00	\$1,480.00
Senior Engineer (P.E.)	14	\$145.00	\$2,030.00
Technician	24	\$80.00	\$1,920.00
Administrative Asst.	10	\$55.00	\$550.00

PHASE TOTAL **\$11,980.00**

SUBTOTAL - SUPPLEMENTAL SERVICES **\$15,730.00**

GRAND TOTAL - ALL PHASES **\$59,150.00**

NOTES:

- 1 Manhour Proposal based on Scope of Work discussed in e-mail communication with Don Edwards on 4/17/19 and field meeting with Chris Tregre on 4/23/19. Scope is understood to include civil engineering work only, and no electrical engineering required. Scope is understood to include removal of existing 30" pump, including intake and discharge, and replacement with new 48" diesel pump, including intake and discharge, all of which will be supplied by the construction contractor under this project. A fuel capacity analysis is also included in the scope, and specification of any new fuel tank or piping required. Also included is an analysis whether the existing diesel engine can be re-used with the new pump.
- 2 While no independent drainage study/report is required by Owner, it may be required as part of the permit process. If not, the associated time will not be charged or invoiced.