

2020-0226

**INTRODUCED BY: MATTHEW JEWELL, PARISH PRESIDENT
(DEPARTMENT OF PUBLIC WORKS)**

ORDINANCE NO. 20-8-9

An ordinance to approve and authorize the execution of Amendment No. 1 to a professional services agreement with Evans-Graves Engineers, Inc., for providing necessary professional engineering services for a project that increases the pumping capacity of the Schexnaydre Pump Station (P.S.) (Parish Project Number P190502).

WHEREAS, the Parish approved Ordinance 19-6-2 that authorized engineering design services to increase the pumping capacity of the Schexnaydre P.S.; and,

WHEREAS, the design services included replacing a 30-inch pump with a new 48-inch pump and reusing an existing diesel engine; and,

WHEREAS, during the pump design Evans-Graves found that the existing engine would not operate properly with the new pump, so a new diesel engine and other improvements were added to the project; and,

WHEREAS, additional time and other costs were incurred by Evans-Graves with the revised design; and,

WHEREAS, Paragraphs 4.4 and 5.1.2.4 of the executed Agreement establish the procedure for paying the Engineer for additional services for significant changes in design; and,

WHEREAS, Evans-Graves submitted the attached proposal for the additional services to the engineering design.

THE ST. CHARLES PARISH COUNCIL HEREBY ORDAINS:

SECTION I. That Amendment No. 1, last revised April 30, 2020, to a professional services agreement with Evans-Graves Engineers, Inc., for providing necessary professional engineering services for a project that increases the pumping capacity of the Schexnaydre Pump Station (P.S.) (Parish Project Number P190502) is hereby approved and accepted.

SECTION II. That the Parish President is hereby authorized to execute said amendment on behalf of St. Charles Parish.

The foregoing ordinance having been submitted to a vote, the vote thereon was as follows:

YEAS: FONSECA, DARENSBOURG GORDON, CLULEE, GIBBS, DUFRENE, BELLOCK, FISHER, FISHER-PERRIER
NAYS: NONE
ABSENT: BENEDETTO

And the ordinance was declared adopted this 10th day of August, 2020, to become effective five (5) days after publication in the Official Journal.

CHAIRMAN: *[Signature]*

SECRETARY: *Michelle Inpartato*

DLVD/PARISH PRESIDENT: August 11, 2020

APPROVED: DISAPPROVED:

PARISH PRESIDENT: *Matthew Jewell*

RETD/SECRETARY: August 11, 2020

AT: 3:57 pm RECD BY: *[Signature]*

**AMENDMENT NO. 1
TO
PROFESSIONAL SERVICES AGREEMENT**

THIS AMENDMENT NO. 1 hereafter sometimes referred to as "AGREEMENT", made and entered into on this 19th day of August, 2020;

BY AND BETWEEN:

ST. CHARLES PARISH GOVERNMENT, represented herein by its duly authorized Parish President, Matthew Jewell, (hereafter sometimes referred to as "OWNER"), and

EVANS-GRAVES ENGINEERS, INC., represented herein by Ashlyn Graves, its duly authorized Vice-President (hereafter sometimes referred to as "ENGINEER"):

WHEREAS, the St. Charles Parish Government did enter into the professional services agreement with Evans-Graves Engineers, Inc., dated June 6, 2019, for the Schexnaydre Pump Station Improvements, and

WHEREAS, the OWNER is now desirous of having ENGINEER provide additional services for amending the project as further described as follows:

SCOPE OF WORK:

The required work is more specifically described in the attached proposal from Evans-Graves Engineers, last revised April 30, 2020.

NOW THEREFORE, be it understood and agreed by the parties hereto amend the Agreement for the additional compensation described in Evans-Graves Engineers' attached proposal, last revised April 30, 2020.

Overall Basic Services fees to ENGINEER shall be increased by \$19,430.00 as a result of this amendment.

THUS DONE AND SIGNED in the presence of the undersigned competent witnesses, on this 19th day of August, 2020.

Witnesses:

Billy Raymond

Nichell C Champagne

Fisher

ST. CHARLES PARISH GOVERNMENT

By: Matthew Jewell
Matthew Jewell
Parish President

Date: 8-11-2020

EVANS-GRAVES ENGINEERS, INC.

By: Ashlyn Graves
Ashlyn Graves
Vice-President

Date: 8-19-20

St. Charles Parish Department of Public Works
ENGINEERING SERVICES PROPOSAL
for
SCHEXNAYDRE PUMP STATION MODIFICATIONS

Evans-Graves Engineers, Inc.

REVISED April 30, 2020

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	Contract MH	Additional MH	Rate	Contract Subtot	REV Subtot
Principal (P.E.)	12	0	\$185.00	\$2,220.00	\$2,220.00
Senior Engineer (P.E.)	24	0	\$145.00	\$3,480.00	\$3,480.00
Technician	48	0	\$80.00	\$3,840.00	\$3,840.00
Administrative Asst.	8	0	\$55.00	\$440.00	\$440.00
PHASE TOTAL				<u>\$9,980.00</u>	<u>\$9,980.00</u>

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.) Additional MH required for additional pump coordination and revisions based on existing structural and hydraulic conditions, as well as coordination with supplier for new engine required, with additional structural analysis of existing pump station structure for design and tie-in of new engine support structure. Additional plan drawings, specifications, cost and schedule coordination, and mechanical coordination were undertaken. The pump selected was larger and required additional coordination of surface layout and structural design.

Category	Contract MH	Additional MH	Rate	Contract Subtot	REV Subtot
Principal (P.E.)	24	12	\$185.00	\$4,440.00	\$6,660.00
Senior Engineer (P.E.)	56	40	\$145.00	\$8,120.00	\$13,920.00
Technician	80	64	\$80.00	\$6,400.00	\$11,520.00
Administrative Asst.	24	12	\$55.00	\$1,320.00	\$1,980.00
PHASE TOTAL				<u>\$20,280.00</u>	<u>\$34,080.00</u>

PHASE IC - ENGINEERING SERVICES DURING BIDDING

(Task includes coordination, responding to questions, revisions, production and issuance of Addenda, attendance at Pre-Bid Meeting and Bid Opening, tabulation of bid results, and recommendation of award.) Additional MH required to address additional scope of work items identified during design, such as new engine, connections, layout, structural modifications; and cofferdam, dewatering, and temporary pumping.

Category	Contract MH	Additional MH	Rate	Contract Subtot	REV Subtot
Principal (P.E.)	4	2	\$185.00	\$740.00	\$1,110.00
Senior Engineer (P.E.)	8	6	\$145.00	\$1,160.00	\$2,030.00
Technician	8	6	\$80.00	\$640.00	\$1,120.00
Administrative Asst.	4	0	\$55.00	\$220.00	\$220.00
PHASE TOTAL				<u>\$2,760.00</u>	<u>\$4,480.00</u>

St. Charles Parish Department of Public Works
ENGINEERING SERVICES PROPOSAL
for
SCHEXNAYDRE PUMP STATION MODIFICATIONS

Evans-Graves Engineers, Inc.

REVISED April 30, 2020

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.

Additional MH required to address additional scope of work items identified during design, such as new engine, connections, and structural support; and cofferdam, dewatering, and temporary pumping. The above will generate additional submittals, RFI, invoice verification, closeout documents, and extend project time.

Category	Contract MH	Additional MH	Rate	Contract Subtot	REV Subtot
Principal (P.E.)	16	8	\$185.00	\$2,960.00	\$4,440.00
Senior Engineer (P.E.)	32	24	\$145.00	\$4,640.00	\$8,120.00
Technician	24	24	\$80.00	\$1,920.00	\$3,840.00
Administrative Asst.	16	4	\$55.00	\$880.00	\$1,100.00
PHASE TOTAL				<u>\$10,400.00</u>	<u>\$17,500.00</u>

SUBTOTAL - ENGINEERING PHASES				<u>\$43,420.00</u>	<u>\$66,040.00</u>
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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. Since no record drawings of the Station exist, and since the scope of work was increased as detailed above, E-G's engineer and technician had to visit the site several times to take additional measurements that were not part of the original topographic survey scope, for verification of additional structural work needed.

Category	Contract MH	Additional MH	Rate	Contract Subtot	REV Subtot
Topographic Surveyor Services <i>(Purchased by Owner)</i>	Lump	0	\$0.00	\$0.00	\$0.00
Principal (P.E.)	6	2	\$185.00	\$1,110.00	\$1,480.00
Senior Engineer (P.E.)	16	8	\$145.00	\$2,320.00	\$3,480.00
Technician	4	16	\$80.00	\$320.00	\$1,600.00
PHASE TOTAL				<u>\$3,750.00</u>	<u>\$6,560.00</u>

St. Charles Parish Department of Public Works
ENGINEERING SERVICES PROPOSAL
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Evans-Graves Engineers, Inc.

REVISED April 30, 2020

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.)

The Permit was approved without the need for a detailed Drainage Study/Report as initially suggested.

Category	Contract MH	Additional MH	Rate	Contract Subtot	REV Subtot
Drainage Study/Report (if needed)	1	-1	\$6,000.00	\$6,000.00	\$0.00
Principal (P.E.)	8	0	\$185.00	\$1,480.00	\$1,480.00
Senior Engineer (P.E.)	14	0	\$145.00	\$2,030.00	\$2,030.00
Technician	24	0	\$80.00	\$1,920.00	\$1,920.00
Administrative Asst.	10	0	\$55.00	\$550.00	\$550.00
PHASE TOTAL				<u>\$11,980.00</u>	<u>\$5,980.00</u>
SUBTOTAL - SUPPLEMENTAL SERVICES				<u>\$15,730.00</u>	<u>\$12,540.00</u>
GRAND TOTAL - ALL PHASES				<u>\$59,150.00</u>	<u>\$78,580.00</u>

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. After analysis, it was determined that the diesel engine may be able to be re-used. However, after coordination of hydraulic design with the original pump supplier, it was determined that their pump could not operate under the existing structural and required hydraulic conditions. We therefore selected a different pump supplier who could meet the conditions; but that particular pump could not operate with the existing engine, and a new engine would have to be supplied.
- 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. DNR awarded the Coastal Use Permit after moderate-level hydraulic review; no major Drainage Study or Report was required.