

PROFESSIONAL SERVICES AGREEMENT

THIS AGREEMENT made and effective as of
by and between ST. CHARLES PARISH acting herein by and through its President, who is duly authorized to act on behalf of said Parish, hereinafter called the OWNER, and Eustis Engineering LLC, a corporation and/or limited liability company acting herein by and through its Contracting Officer, hereinafter called CONSULTANT. Whereas the Owner desires to employ a professional consulting firm to perform consulting work and services for ELLINGTON STRUCTURES - COUSINS PUMP STATION T-WALL, Parish Project No. P080905-5H as described in Ordinance No. _____ which is attached hereto and made a part hereof.

1.0 GENERAL TERMS

The Owner agrees to employ the Consultant and the Consultant agrees to perform professional services required for the project described above. Consultant will conform to the requirements of the Owner and to the standards of the agencies participating with the Owner in the Project. The Consultant will coordinate all work between the Owner and all participating agencies and regulating agencies, if needed. Written authorization to begin different phases of the project will be given to the Consultant by the Owner, including Conceptual, Preliminary Design, Final Design, Bidding Assistance and Construction and Services. The Owner may terminate the Contract by written notification and without cause per Section 11.0 during any phase of the project.

The Consultant shall at all times during this Agreement maintain a valid Louisiana Consulting License and any other applicable licenses necessary for performance of the Project.

All work shall be under the direction of the Owner, and all plans, specifications, etc. shall be submitted to the Owner and all approvals and administration of this contract shall be through the Owner.

2.0 PROJECT

2.1 The Owner hereby contracts with the CONSULTANT to perform all necessary professional services in connection with the project as defined as follows:

ELLINGTON STRUCTURES - COUSINS PUMP STATION T-WALL
Parish Project No. P080905-5H

2.2 The Project consist of the scope of services and work as defined in Attachment "A" hereto.

- 2.3 Consultant shall perform all scope of services and work in accordance with the Schedule as defined in Attachment “B” hereto unless otherwise mutually agreed upon by the parties in writing.
- 2.4 The Consultant agrees to comply with all Federal, State, and Local Laws and Ordinances applicable to the scope of services and work or in entering any other agreement with any another party to complete the work.

3.0 SERVICES OF CONSULTANT

- 3.1 Consultant shall provide Owner professional work and services in all phases of the Project to which this Agreement applies and as hereinafter provided to properly plan and execute the work on the project(s) assigned to the Consultant. These services may include but may not be limited to serving as Owner’s professional consulting representative for the Project, providing professional consultation and advice, and furnishing customary civil, surveying, geotechnical, structural, mechanical, electrical, instrumentation and control consulting services and construction consulting and inspection.
- 3.2 Services provided by the Consultant shall be performed in accordance with generally accepted professional consulting practice at the time and the place where the services are rendered.
- 3.3 Consultant shall obtain from Owner authorization to proceed in writing for each phase of the Project.
- 3.4 Consultant shall provide minutes of all meetings with St. Charles Parish regarding any phase of the Project.
- 3.5 Consultant shall provide work and services to complete the project, including all necessary services described herein or usually implied as a prerequisite for the performance of the services whether or not specifically mentioned in this agreement, including attendance by the Consultant at project conferences and public hearings.
- 3.6 The Phases of the Project, if applicable, are as defined in Attachment “A”.

4.0 OWNERSHIP OF DOCUMENTS

- 4.1 Documents including but not limited to plans, specifications, maps, basic survey notes, sketches, charts, computations and all other data prepared or obtained under the terms of this authorization shall become the property of the Owner and shall be made available for Owner’s inspection at any time during the Project and, shall be delivered to the Owner prior to termination or final completion of the Contract.
- 4.2 Consultant may retain a set of documents for its files.

- 4.3 Reuse of Documents. Any reuse of documents or materials without written authorization or adaptation by Consultant to the specific purpose intended will be at Owner's sole risk and without liability or legal exposure to Consultant or to Consultant's independent professional associates, subcontractors, and consultants.
- 4.4 No materials, to include but not limited to reports, maps or other documents produced as a result of this Contract, in whole or in part, shall be available to Consultant for copyright purposes. Any such materials produced as a result of this Contract that might be subject to copyright shall be the property of the Owner and all such rights shall belong to the Owner, and the Owner shall be sole and exclusive entity who may exercise such rights.

5.0 SUPPLEMENTARY SERVICES

The Consultant shall provide, when requested in writing by the Owner, supplementary services not included in the basic work and services.

The compensation to the Consultant for the supplemental services, when performed by the Consultant, shall be in the form of a lump sum, billable hours, or "not to exceed" hourly rate which is mutually agreeable to the Owner and the Consultant in writing.

Such supplementary services may include the following:

- A. Soil investigations
- B. Laboratory inspection of materials and equipment
- C. Right-of-Way, easement and property acquisition surveys, plats, maps and documents
- D. Any major revisions for which the Consultant is not responsible, that are authorized by the Owner after the completion and approval of either the preliminary or final plans and specifications
- E. Services concerning replacement of any work damaged by fire or other causes during construction
- F. Services made necessary by the default of the contractor in the performance of the construction contract
- G. Services as an expert witness in connection with court proceedings
- H. Traffic consulting if necessary
- I. Topographic Survey
- J. Preparation of Environmental Assessment documents and/or Environmental Permits
- K. If all or part of the work is to be financed by a Federal or State Grant, the Consultant shall assist the Owner in the preparation of the Grant application and with the Grant Administration, unless otherwise specifically agreed upon previously herein.

6.0 DEFECTIVE WORK

During such visits and on the basis of such observations, Consultant may disapprove of or reject Contractor's work while it is in progress if Consultant believes that such work will not produce a completed Project that conforms generally to the Contract Documents or that it will prejudice the integrity of the design concept of the Project as reflected in the Contract Documents

7.0 NOTICE TO PROCEED

The Owner shall notify the Consultant in writing to undertake the services stated in this Agreement, and the Consultant shall commence the services within ten (10) days after receipt of such notification.

If the Owner desires to divide the Project into various parts, a Notice to Proceed shall be issued for each part, and the Owner and the Consultant shall mutually agree upon the period of time within which services for each part of the Project shall be performed.

The Consultant will be given time extensions for delays beyond their control or for those caused by tardy approvals of work in progress by various official agencies, but no additional compensation shall be allowed for such delays.

8.0 PAYMENTS

- 8.1 Owner shall pay Consultant for the performance of work and services as outlined in Attachment "C" to this Agreement.
- 8.2 Payment for Consultant work and services on projects that do not require construction services, such as feasibility studies or drainage studies, shall be made based upon Consultant's estimate of the proportion of the services actually completed at the time of billing and shall be made in partial payments at monthly intervals.
- 8.3 If the Project, or any portion thereof, is not completed for any reason, the final fee for consulting work and services shall be negotiated between Owner and Contractor. If the final fee for work and services is not mutually agreed upon, either party may elect in writing to submit the dispute to mediation. If mediation is not mutually agreed upon, written notice will be submitted to the other party of the intent to submit the dispute to the 29th Judicial District Court of St. Charles Parish, State of Louisiana.
- 8.4 If authorized in writing by Owner, for the performance of, or for obtaining from others Additional Services which are not considered normal or customary consulting, the Owner shall pay Consultant based on monthly invoices submitted by the Consultant, within sixty (60) days of receipt of Consultant's invoice.

Consultant shall provide written notice to Owner when no services or work have been performed during a given month.

- 8.5 For Additional Authorized Services provided by the Consultant such as, but not limited to, wetlands permitting, land and right-of-way acquisition, surveying, NPDES and LADEQ permit renewal or acquisition work, etc. Owner shall pay Consultant based on an agreed upon hourly rate(s) between the Owner and Consultant. Payment shall be not-to-exceed based on hourly rates and actual hours worked.
- 8.6 The following documentation shall be required for payment to Consultant and shall be attached to the monthly invoice.
- a. A copy of the Owner's written authorization to perform the service.
 - b. Timesheets for all hours invoiced.
 - c. Invoice copies, logs or other substantiation of non-salary expenses.
- 8.7 For Additional Authorized Services that Consultant acquires from subcontractors and/or subconsultants, Owner shall pay Consultant a fixed sum previously agreed upon by Owner and Consultant, such sum to be established in each case when the scope of the work involved has been determined and before any of the Additional Services are provided. The use of subcontractors and/or subconsultants shall be subject to the provisions set forth in this Agreement. The following documentation shall be required for payment to Consultant and shall be attached to the monthly invoice:
- a. A copy of the Owner's written consent for the subcontractor and/or subconsultant to perform the service stating the Owner's and Consultant's agreed upon fixed sum established for the service performed.
 - b. Evidence that the subcontractor and/or subconsultant is insured as required by this Agreement.
- 8.8 For Supplementary Services described in Section 5, Owner shall pay Consultant for the fee negotiated at the time the work is assigned by the method stipulated in the contract amendment.

9.0 BUDGET LIMITATIONS

The construction budget for this Project shall be determined by the Owner, and the Consultant shall be advised of the budget limitation in writing by the Owner and the Consultant shall indicate his acceptance of same in writing to the Owner. Any subsequent budget revisions shall be confirmed in writing.

If, at the completion of the Preliminary or Design Phase, the Consultant does not concur with the construction budget, he shall so notify the Owner, and the Consultant and Owner

shall mutually agree on a revised construction budget prior to any work on the Design Phase.

If no bid is received within the budget limitation and a redesign of the project is required by the Owner, such redesign shall be accomplished by the Consultant at no additional cost to the Owner, provided, however, if the receipt of bids are, for any reason, delayed beyond a period of six (6) months from the date of the completion of the Design Phase the amount stated as the construction budget shall be adjusted, immediately prior to the time bids are received, by use of a construction cost index acceptable to both parties of this agreement.

10.0 FUNDS

No work shall be authorized until funds are established for each individual task.

11.0 TERMINATION OR SUSPENSION

- 11.1 This Agreement may be terminated for any reason by either party upon thirty (30) days written notice.
- 11.2 The Consultant, upon receipt of such notice, shall immediately discontinue all services in connection with the performance of this Agreement and shall proceed to cancel promptly all existing orders and contracts insofar as such orders or contracts are chargeable to this Agreement.
- 11.3 The Consultant shall, as soon as practicable after receipt of notice of termination, submit a statement showing in detail the services performed and payments received under this Agreement to the date of termination.
- 11.4 The Owner shall then pay the Consultant promptly that portion of the prescribed fee to which both parties agree.
- 11.5 Consultant fully acknowledges that no payment will be made for any work performed or expenses incurred after receipt of the termination by either party unless mutually agreed upon in writing.
- 11.6 Failure to meet agreed delivery dates or authorized extensions are considered substantial failures and breach of this contractual agreement by Consultant.
- 11.7 This agreement shall automatically terminate upon satisfactory completion of all services and obligations described herein or three (3) years from the date of its execution, whichever event occurs first.

12.0 NON-APPROPRIATION CLAUSE

Notwithstanding any other provision of this AGREEMENT, if the Owner does not receive the sufficient funds to fund this AGREEMENT and other obligations of St. Charles Parish, if funds are de-appropriated, or if the Owner does not receive legal authority to expend funds from the St. Charles Parish Council, then the Owner is not obligated to make payment under this AGREEMENT.

13.0 INSURANCE

- 13.1 The Consultant shall secure and maintain at his expense such insurance that will protect him and the Owner, from claims under Workmen's Compensation Acts and from claims for bodily injury, death or property damage which may arise from performance of services under this Agreement. Insurance for bodily injury or death shall be in the unencumbered amount of \$1,000,000.00 for one person and not less than \$1,000,000.00 for all injuries and/or deaths resulting from any one occurrence. The insurance for property damage shall be in the unencumbered amount of \$1,000,000.00 for each accident and not less than \$1,000,000.00 aggregate.
- 13.2 The CONSULTANT shall also secure and maintain at his expense professional liability insurance in the unencumbered sum of \$1,000,000.00.
- 13.3 All certificates of insurance SHALL BE FURNISHED TO THE OWNER and shall provide that insurance shall not be cancelled without ten (10) days prior written notice to the Owner. The Owner may examine the policies.
- 13.4 CONSULTANT shall include all subconsultants as insured under its policies or shall furnish separate certificates for each. All coverages for subconsultants shall be subject to all the requirements stated herein.
- 13.5 CONSULTANT shall secure and maintain at its expense Comprehensive Automobile Liability - Bodily Injury Liability \$1,000,000.00 each person: \$1,000,000.00 each occurrence. Property Damage Liability \$1,000,000.00 each occurrence. The Comprehensive Automobile Liability policy must have coverage for loading and unloading and must include owned, hired and leased autos.
- 13.6 St Charles Parish shall be named as an additional insured on general liability insurance policies.
- 13.7 For all purposes under Louisiana law, the principals of this Contract shall be recognized as the statutory employer of all contract employees as provided in LSA-R.S. 23:1061.
- 13.8 Insurance policies shall be endorsed to provide for a waiver of subrogation in favor of St. Charles Parish for worker's compensation policies. The certificate of insurance shall reference the waiver of subrogation endorsement.

13.9 The Worker's Compensation Policy Territory Coverage must include Louisiana.

14.0 INDEMNIFICATION

Consultant shall indemnify and hold harmless the Owner, its employees, agents and representatives, against any and all claims, demands, suits or judgments for sums of money to any party for loss of life or injury or damages to person or property growing out of, resulting from or by any reason of any negligent act by the Consultant, its employees, agents, servants or representatives, while engaged upon or in connection with the services required or performed hereunder.

15.0 WARRANTY

15.1 Consultant warrants that it will perform its design services with the degree of skill and to the standard of care required of the consulting profession to meet all Federal, State and Local requirements.

15.2 If Consulting Services for project designed by Consultant does not meet those requirements noted herein above, then to the extent that this occurs as a direct result of Consultant's failure to meet the standard of care in its design services, Consultant will indemnify the Parish for Consultant's share of the costs incurred to bring Consulting Services for project to the limitations mandated.

15.3 The obligations expressed in Section 14 above in no way limit the Consultant's obligations expressed elsewhere in this Contract.

16.0 EXCLUSIVE JURISDICTION AND VENUE

For all claims arising out of or related to this agreement, CONSULTANT hereby consents and yields to the exclusive jurisdiction and venue of the Twenty-Ninth Judicial District Court for the Parish of St. Charles, State of Louisiana, and expressly waives any (a) pleas of jurisdiction based upon Consultant's residence and (b) right of removal to Federal Court based upon diversity of citizenship.

17.0 COMPLIANCE WITH FEDERAL AND STATE LAWS

CONSULTANT further agrees to comply with all federal and state laws, including those identified in Attachment "D" (if applicable).

18.0 CERTIFICATION OF COMPLIANCE WITH LA R.S. 38:2216.1 & 39:1602.2

In accordance with La R.S. 38:2216.1 and 39:1602.2, Contractor agrees that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. Further, Contractor agrees that it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.

19.0 OTHER

This Agreement constitutes the entire agreement between the parties. There are no understandings, agreements, or representations, oral or written, not specified within this Agreement. This Agreement may not be modified, supplemented or amended in any manner, except by written agreement signed by both parties.

WHEREOF, the parties to these presents have hereunto caused these presents to be executed the day, month and year first above mentioned.

EUSTIS ENGINEERING LLC

ST. CHARLES PARISH

By:

Name: James J. Hance, P.E.

Title:

Date:

By:

Name:

Title:

Date:

ATTACHMENT “A”

ELLINGTON STRUCTURES - COUSINS PUMP STATION T-WALL Parish Project No. P080905-5H

Project Scope:

CONSULTANT shall perform the scope of services described in the following paragraphs.

The CONSULTANT completed a previous Geotechnical Investigation entitled “Geotechnical Exploration, St. Charles Parish Government, Preparation of Plans and Specifications for, the Construction of a Non-Federal Ring Levee, Ellington Area, Report II – Structures, St. Charles Parish, Louisiana, St. Charles Parish Project No. P080905-5A, Eustis Project No. 22468” dated November 26, 2014. Due to the increase in floodwall height and still water level (SWL) per the United States Army Corps of Engineers (USACE) and the T-wall alignment and extents having changed significantly since 2014, an additional 5-inch diameter boring, 172 linear feet deep, is needed for foundation design of the new T-wall at Cousins Pump Station. The current pile tip for support of the pile foundation T-walls is at elevation -118. The Engineer for the T-Wall project recommended the boring be positioned on the eastern side of the existing pump station.

These structures are under the jurisdiction of the U.S. Army Corps of Engineers (USACE), New Orleans District (MVN), and the State of Louisiana, Coastal Protection and Restoration Authority (CPRA); therefore, any geotechnical exploration, soil laboratory testing, and engineering analyses will be under the purview of the USACE and the CPRA. Therefore, the USACE’s Hurricane and Storm Damage Risk Reduction System Design Guidelines (HSDRRSDG), dated June 2012, will be followed.

Samples of cohesive or semi-cohesive subsoils will be obtained continuously using a fixed-piston, 5-in. diameter thinwall Shelby tube sampler. Each 5-in. tube will be capped and plugged for vertical transport to our USACE-certified laboratory for extrusion and testing. Cohesionless soils, when encountered, will be sampled during the performance of Standard Penetration Tests. These samples will be preserved in moisture-proof containers prior to laboratory testing. The boring will be grouted upon completion of drilling operations in accordance with the laws of the State of Louisiana. Soil cuttings will be spread on location. Drumming of investigative derived waste (IDW) is not planned. The soil boring will be logged in the field by a soil technician.

The geotechnical engineering report, after analyses of the soil sample, will include the following items:

- a. boring location plan;
- b. log of the boring;
- c. summary of the laboratory test data;
- d. pertinent geotechnical data from our previous exploration;
- e. discussion of the subsoil and groundwater conditions;
- f. recommendations for site preparation and drainage;
- g. recommendations for placement and compaction of fill;

- h. results of deep-seated stability analyses (Q-case) for the T-walls (up to three) and I-walls (two) considering Spencer's Method of Slices and Janbu's Method. These analyses assume TOW and SWL conditions will be analyzed. The designs will be for a TOW at elevation 16.5 (NAVD 88). The Engineer will need to furnish all necessary hydraulic criteria (low water level [LWL] and SWL). The CONSULTANT's evaluations will include unbalanced load estimates as required to meet the criteria dictated by the HSDRRSDG;
- i. results of local (wall) stability analyses (Q-case, S-case) for the tie-in walls considering lateral earthen pressure theory;
- j. estimates of allowable pile load capacity for H-piles for the T-wall monoliths;
- k. estimates of settlement for sustained structural loads on T-wall monoliths;
- l. settlement analyses including an evaluation of downdrag and settlement induced bending moment (SIBM) on T-wall monoliths adjacent to levee embankment (i.e., Monoliths 101 and 106);
- m. results of seepage analyses for T-walls and I-walls;
- n. results of global slope stability analyses using Seequent USA Inc.'s SLOPE/W software for up to two levee-tie-ins;
- o. recommendations for pile installation and testing methods;
- p. recommendations for p-y data for pile group analyses to be performed by the project structural engineer (if required); and
- q. general construction recommendations pertaining to geotechnical design assumptions.

ATTACHMENT “B”

ELLINGTON STRUCTURES - COUSINS PUMP STATION T-WALL Parish Project No. P080905-5H

Project Schedule:

The CONSULTANT shall complete the following phases of the project within the number of days shown after Notices to Proceed:

Number of Days to Complete

Geotechnical Investigation & Report	120
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Time for Completion

1. If, through no fault of CONSULTANT, such periods of time or dates are changed, or the orderly and continuous progress of CONSULTANT’s services is impaired, or CONSULTANT’s services are delayed or suspended, then the time for completion of CONSULTANT’s services shall be adjusted equitably.
2. If OWNER authorizes changes in the scope, extent, or character of the Project or CONSULTANT’s services, then the time for completion of CONSULTANT’s services shall be adjusted equitably.
3. If CONSULTANT fails, through its own fault, to complete the performance required in this Agreement within the time set forth, as duly adjusted, then OWNER shall be entitled, as its sole remedy, to the recovery of direct damages, if any, resulting from such failure.

ATTACHMENT “C”

ELLINGTON STRUCTURES - COUSINS PUMP STATION T-WALL Parish Project No. P080905-5H

OWNER shall pay CONSULTANT on a Lump Sum basis for Additional Services set forth in Attachment A as follows:

- a. Geotechnical Investigation & Report \$118,000.00
- b. The Lump Sum includes compensation for CONSULTANT’s services and services of CONSULTANT’s SUBCONSULTANTS, if any. Appropriate amounts have been incorporated in the Lump Sum to account for labor costs, overhead, profit, expenses, and CONSULTANT charges.