

STATE OF TEXAS §
§
COUNTY OF FORT BEND §

AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES

(Design and Construction Services – Project No. 23223x)

This Agreement for Professional Engineering Services ("Agreement") is made and entered into by and between Fort Bend County, Texas ("County"), a political subdivision of the state of Texas, and HR Green, Inc. ("Engineer"), a foreign corporation authorized to conduct business in the state of Texas. County and Engineer may be referred to individually as a "Party" or collectively as the "Parties."

WHEREAS, Engineer is a professional engineering firm which provides design and construction services in the Greater Houston Area; and

WHEREAS, County desires for Engineer to provide such professional engineering services for the design and construction of roadway improvements for Ricefield Road, Seg. 2, under Mobility Bond Project No. 23223x; and

WHEREAS, Engineer represents that it is qualified and desires to perform such services for County; and

WHEREAS, pursuant to the requirements of Chapter 2254 of the Texas Government Code, County has determined that Engineer is the most highly qualified provider of such professional services and the Parties have negotiated a fair and reasonable price for the same; and

WHEREAS, this Agreement is not subject to competitive bidding requirements under Section 262.023 of the Texas Local Government Code because this Agreement is for professional engineering services and may not be competitively bid pursuant to Chapter 2254 of the Texas Government Code.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, the Parties do mutually agree as follows:

1. **Recitals.** The recitals set forth above are incorporated herein by reference and made a part of this Agreement.
2. **Scope of Services.** Engineer shall render services to County as provided in Engineer's Proposal dated November 5, 2024 attached hereto as "Exhibit A" and incorporated herein by reference (the "Services").

3. **Time for Performance.** Time for performance for the Services provided under this Agreement shall begin with Engineer's receipt of Notice to Proceed and shall end no later than December 31, 2028. Engineer shall complete such tasks described in the Scope of Services, within this time or within such additional time as may be extended by County.

4. **Compensation and Payment Terms.**

Engineer's fees for the Services shall be calculated at the rate(s) set forth in Exhibit "A" attached hereto. The Maximum Compensation to Engineer for the Services performed under this Agreement is One Million Seven Hundred Eight Thousand Nine Hundred Twenty Six and 00/100 Dollars (\$1,708,926.00). In no event shall the amount paid by County to Engineer under this Agreement exceed said Maximum Compensation without an approved change order.

- (a) Engineer understands and agrees that the Maximum Compensation stated is an all-inclusive amount and no additional fee, cost or reimbursed expense shall be added whatsoever to the fees stated in the attached Exhibit "A."
- (b) County will pay Engineer based on the following procedures: Upon completion of the tasks identified in the Scope of Services, Engineer shall submit to County staff person designated by the County Engineer, one (1) electronic (pdf) copy of the invoice showing the amounts due for services performed in a form acceptable to County. Engineer shall submit invoices no more frequently than on a monthly basis. County shall review such invoices and approve them within 30 calendar days with such modifications as are consistent with this Agreement and forward same to the Auditor for processing. County shall pay each such approved invoice within thirty (30) calendar days.
- (c) Accrual and payment of interest on any overdue payments assessed by Engineer, if any, shall be governed by Chapter 2251 of the Texas Government Code.
- (d) Engineer understands and agrees that County's obligation to make any payment(s) hereunder is dependent upon Engineer's completion of the Services in a timely, good, and professional manner and in accordance with the performance representations made in Section 25 of this Agreement. Therefore, County reserves the right to withhold payment pending verification of satisfactory work performed.

5. **Limit of Appropriation.** Engineer understands and agrees that the Maximum Compensation for the performance of the Services within the Scope of Services described in Section 2 above is 1,708,926.00. In no event shall the amount paid by County under this Agreement exceed the Maximum Compensation without a County approved change

order. Engineer clearly understands and agrees, such understanding and agreement being of the absolute essence of this Agreement, that County shall have available the total maximum sum of 1,708,926.00 specifically allocated to fully discharge any and all liabilities County may incur under this Agreement. Engineer does further understand and agree, said understanding and agreement also being of the absolute essence of this Agreement, that the total Maximum Compensation that Engineer may become entitled to and the total maximum sum that County may become liable to pay Engineer under this Agreement shall not under any conditions, circumstances, or interpretations thereof exceed 1,708,926.00.

6. **Non-appropriation.** Engineer understands and agrees that in the event no funds or insufficient funds are appropriated by the County under this Agreement, County shall immediately notify Engineer in writing of such occurrence and the Agreement shall thereafter terminate and be null and void on the last day of the fiscal period for which appropriations were received or made without penalty, liability or expense to the County. In no event shall said termination of this Agreement or County's failure to appropriate said funds be deemed a breach or default of this Agreement or create a debt by County in any amount(s) in excess of those previously funded.
7. **Taxes.** Engineer understands and agrees that County is a governmental entity and political subdivision of the state of Texas, and as such, is exempt from payment of any sales and use taxes. County shall furnish evidence of its tax-exempt status upon written request by Engineer.
8. **Insurance.** Prior to commencement of the Services, Engineer shall furnish County with properly executed certificates of insurance which shall evidence all insurance required and provide that such insurance shall not be canceled, except on 30 days' prior written notice to County. Engineer shall provide certified copies of insurance endorsements and/or policies if requested by County. Engineer shall maintain such insurance coverage from the time Services commence until Services are completed and provide replacement certificates, policies and/or endorsements for any such insurance expiring prior to completion of Services. Engineer shall obtain such insurance written on an Occurrence form from such companies having Best's rating of A/VII or better, licensed or approved to transact business in the State of Texas, and shall obtain such insurance of the following types and minimum limits:
 - (a) Workers Compensation in accordance with the laws of the State of Texas. Substitutes to genuine Workers' Compensation Insurance will not be allowed.
 - (b) Employers' Liability insurance with limits of not less than \$1,000,000 per injury by accident, \$1,000,000 per injury by disease, and \$1,000,000 per bodily injury by disease.

- (c) Commercial general liability insurance with a limit of not less than \$1,000,000 each occurrence and \$2,000,000 in the annual aggregate. Policy shall cover liability for bodily injury, personal injury, and property damage and products/completed operations arising out of the business operations of the policyholder.
- (d) Business Automobile Liability coverage applying to owned, non-owned and hired automobiles with limits not less than \$1,000,000 each occurrence combined single limit for Bodily Injury and Property Damage combined.
- (e) Professional Liability insurance with limits not less than \$1,000,000.

County and members of the Fort Bend County Commissioners Court shall be named as additional insured to all required coverage except for Workers' Compensation and Professional Liability (if required). All Liability policies written on behalf of Engineer shall contain a waiver of subrogation in favor of County.

If required coverage is written on a claims-made basis, Engineer warrants that any retroactive date applicable to coverage under the policy precedes the Effective Date of this Agreement and that continuous coverage will be maintained or an extended discovery period will be exercised for a period of 2 years beginning from the time the work under this Agreement is completed.

Engineer shall not commence any portion of the work under this Agreement until it has obtained the insurance required herein and certificates of such insurance have been filed with and approved by County.

No cancellation of or changes to the certificates, or the policies, may be made without thirty (30) days prior, written notification to County.

Approval of the insurance by County shall not relieve or decrease the liability of the Engineer.

9. **Indemnity. PURSUANT TO SECTION 271.904 OF THE TEXAS LOCAL GOVERNMENT CODE, ENGINEER SHALL INDEMNIFY AND HOLD HARMLESS COUNTY, ITS OFFICIALS, OFFICERS, AND EMPLOYEES FROM AND AGAINST ALL CLAIMS, LOSSES, DAMAGES, CAUSES OF ACTION, SUITS, LIABILITY, AND COSTS, INCLUDING THE REIMBURSEMENT OF REASONABLE ATTORNEY FEES, ARISING OUT OF OR RESULTING FROM AN ACT OF NEGLIGENCE, INTENTIONAL TORT, INTELLECTUAL PROPERTY INFRINGEMENT, OR FAILURE TO PAY A SUBCONTRACTOR OR SUPPLIER COMMITTED BY ENGINEER OR ENGINEER'S AGENTS, EMPLOYEES, OR ANOTHER ENTITY OVER WHICH ENGINEER EXERCISES CONTROL. IN ADDITION, HALL FURTHER PROCURE AND MAINTAIN LIABILITY INSURANCE WITH COVERAGE AS PROVIDED IN SECTION 8 OF THIS AGREEMENT.**

ENGINEER SHALL TIMELY REPORT TO COUNTY ALL SUCH MATTERS ARISING UNDER THE INDEMNITY PROVISIONS ABOVE. UPON THE RECEIPT OF ANY CLAIM, DEMAND, SUIT, ACTION, PROCEEDING, LIEN, OR JUDGMENT, AND NO LATER THAN THE FIFTEENTH DAY OF EACH MONTH, ENGINEER SHALL PROVIDE COUNTY WITH A WRITTEN REPORT ON EACH MATTER, SETTING FORTH THE STATUS OF EACH MATTER, THE SCHEDULE OR PLANNED PROCEEDINGS WITH RESPECT TO EACH MATTER, AND THE COOPERATION OR ASSISTANCE, IF ANY, OF COUNTY REQUIRED BY ENGINEER IN THE DEFENSE OF EACH MATTER. IN THE EVENT OF ANY DISPUTE BETWEEN THE PARTIES AS TO WHETHER A CLAIM, DEMAND, SUIT, ACTION, PROCEEDING, LIEN, OR JUDGMENT APPEARS TO HAVE BEEN CAUSED BY OR APPEARS TO HAVE ARISEN OUT OF OR RESULTS FROM AN ACT OF NEGLIGENCE, INTENTIONAL TORT, INTELLECTUAL PROPERTY INFRINGEMENT, OR FAILURE TO PAY A SUBCONTRACTOR OR SUPPLIER COMMITTED BY ENGINEER, OR ITS AGENTS, EMPLOYEES, OR ANOTHER ENTITY OVER WHICH ENGINEER EXERCISES CONTROL, ENGINEER SHALL, NEVERTHELESS, FULLY DEFEND SUCH CLAIM, DEMAND, SUIT, ACTION, PROCEEDING, LIEN, OR JUDGMENT UNTIL AND UNLESS THERE IS A DETERMINATION BY A COURT OF COMPETENT JURISDICTION THAT SAID ACTS AND/OR OMISSIONS OF ENGINEER ARE NOT AT ISSUE IN THE MATTER.

THE INDEMNITY PROVISIONS OF THIS SECTION SHALL SURVIVE THE TERMINATION OF THIS AGREEMENT HOWEVER CAUSED, AND NO PAYMENT, PARTIAL PAYMENT, OR ISSUANCE OF CERTIFICATION OF COMPLETION OF THE SERVICES UNDER THIS AGREEMENT BY COUNTY, WHETHER IN WHOLE OR IN WHOLE OR IN PART, SHALL WAIVE OR RELEASE ANY OF THE PROVISIONS OF THIS SECTION.

10. **Public Information Act.** Engineer expressly acknowledges and agrees that County is a public entity and as such, is subject to the provisions of the Texas Public Information Act under Chapter 552 of the Texas Government Code. In no event shall County be liable to Engineer for release of information pursuant to Chapter 552 of the Texas Government Code or any other provision of law. Except to the extent required by law or as directed by the Texas Attorney General, County agrees to maintain the confidentiality of information provided by Engineer expressly marked as proprietary or confidential. County shall not be liable to Engineer for any disclosure of any proprietary or confidential information if such information is disclosed under Texas law or at the direction of the Texas Attorney General. Engineer further acknowledges and agrees that the terms and conditions of this Agreement are not proprietary or confidential information.
11. **Compliance with Laws.** Engineer shall comply with all federal, state, and local laws, statutes, ordinances, rules, regulations, and the decrees of any courts or administrative bodies or tribunals in any matter affecting the performance of this Agreement, including, without limitation, Worker's Compensation laws, minimum and maximum salary and wage statutes and regulations, licensing laws and regulations. Engineer, in providing all services hereunder, further agrees to abide by the provisions of any applicable Federal or State Data Privacy Act.

12. **Independent Contractor.** In the performance of work or services hereunder, Engineer shall be deemed an independent Contractor, and any of its agents, employees, officers, or volunteers performing work required hereunder shall be deemed solely as employees of Engineer. Engineer and its agents, employees, officers, or volunteers shall not, by performing work pursuant to this Agreement, be deemed to be employees, agents, or servants of County and shall not be entitled to any of the privileges or benefits of County employment.
13. **Use of Customer Name.** Engineer may use County's name without County's prior written consent only in Engineer's customer lists. Any other use of County's name by Engineer must have the prior written consent of County.
14. **County/County Data.** Nothing in this Agreement shall be construed to waive the requirements of Section 205.009 of the Texas Local Government Code.
15. **Personnel.** Engineer represents that it presently has, or is able to obtain adequate qualified personnel in its employment for the timely performance of the Services required under this Agreement and that Engineer shall furnish and maintain, at its own expense, adequate and sufficient personnel, in the opinion of County, to perform the Services when and as required and without delays.

All employees of Engineer shall have such knowledge and experience as will enable them to perform the duties assigned to them. Any employee or agent of Engineer who, in County's opinion, is incompetent or by his conduct becomes detrimental to providing Services pursuant to this Agreement, shall, upon request of County, immediately be removed from association with the Services required under this Agreement.

When performing Services on-site at County's facilities, Engineer shall comply with, and will require that all Engineer's Personnel comply with, all applicable rules, regulations and known policies of County that are communicated to Engineer in writing, including security procedures concerning systems and data and remote access thereto, building security procedures, including the restriction of access by County to certain areas of its premises or systems for security reasons, and general health and safety practices and procedures.

16. **Confidential and Proprietary Information.** Engineer acknowledges that it and its employees or agents may, in the course of performing their responsibilities under this Agreement, be exposed to or acquire information that is confidential to County. Any and all information of any form obtained by Engineer or its employees or agents from County in the performance of this Agreement shall be deemed to be confidential information of County ("Confidential Information"). Any reports or other documents or items (including software) that result from the use of the Confidential Information by Engineer shall be treated with respect to confidentiality in the same manner as the Confidential Information. Confidential Information shall be deemed not to include information that

(a) is or becomes (other than by disclosure by Engineer) publicly known or is contained in a publicly available document; (b) is rightfully in Engineer's possession without the obligation of nondisclosure prior to the time of its disclosure under this Agreement; or (c) is independently developed by employees or agents of Engineer who can be shown to have had no access to the Confidential Information.

Engineer agrees to hold Confidential Information in strict confidence, using at least the same degree of care that Engineer uses in maintaining the confidentiality of its own confidential information, and not to copy, reproduce, sell, assign, license, market, transfer or otherwise dispose of, give, or disclose Confidential Information to third parties or use Confidential Information for any purposes whatsoever other than the provision of Services to County hereunder, and to advise each of its employees and agents of their obligations to keep Confidential Information confidential. Engineer shall use its best efforts to assist County in identifying and preventing any unauthorized use or disclosure of any Confidential Information. Without limitation of the foregoing, Engineer shall advise County immediately in the event Engineer learns or has reason to believe that any person who has had access to Confidential Information has violated or intends to violate the terms of this Agreement and Engineer will at its expense cooperate with County in seeking injunctive or other equitable relief in the name of County or Engineer against any such person. Engineer agrees that, except as directed by County, Engineer will not at any time during or after the term of this Agreement disclose, directly or indirectly, any Confidential Information to any person, and that upon termination of this Agreement or at County's request, Engineer will promptly turn over to County all documents, papers, and other matters in Engineer's possession which embody Confidential Information.

Engineer acknowledges that a breach of this Section, including disclosure of any Confidential Information, or disclosure of other information that, at law or in equity, ought to remain confidential, will give rise to irreparable injury to County that is inadequately compensable in damages. Accordingly, County may seek and obtain injunctive relief against the breach or threatened breach of the foregoing undertakings, in addition to any other legal remedies that may be available. Engineer acknowledges and agrees that the covenants contained herein are necessary for the protection of the legitimate business interest of County and are reasonable in scope and content.

Engineer in providing all services hereunder agrees to abide by the provisions of any applicable Federal or State Data Privacy Act.

17. **Ownership and Reuse of Documents.** All work product and data produced or developed under this Agreement by Engineer including any documents, data, notes, reports, research, graphic presentation materials, and any other related material (collectively, "Materials"), shall at all times be the property of County. County, at all times, shall have a right of access to the Materials. Engineer shall promptly furnish and deliver all such Materials to County on request. Notwithstanding the foregoing, Engineer shall bear no liability or responsibility for Materials that have been modified post-delivery to County or

used by County for a purpose other than that for which they were prepared under this Agreement.

18. **Inspection of Books and Records.** Engineer shall permit County, or any duly authorized agent of County, to inspect and examine the books, records, information, and documentation (collectively, "Records") of Engineer which relate to the Services provided under this Agreement for the purposes of making audits, examinations, excerpts, copies, and transcriptions. Engineer shall maintain all such Records in a readily available state and location, reasonably accessible to County or their authorized representatives. County's right to inspect such books and records shall survive the termination of this Agreement for a period of four (4) years, or until any litigation concerning any of the Services has been satisfactorily resolved, whichever occurs later. **ENGINEER SHALL NOT DESTROY OR DISCARD ANY RECORDS REASONABLY RELATED TO THIS AGREEMENT OR THE SERVICES, UNLESS THE TIME PERIOD FOR MAINTAINING THE SAME HAS EXPIRED.**

19. **Termination.**

- (a) Without Cause. County, in its sole discretion, and without prejudice to any other remedy to which it may be entitled to at law or in equity, may terminate this Agreement, in whole or in part, without cause, upon thirty (30) days prior written notice to Engineer.
- (b) With Cause. County, in its sole discretion, and without prejudice to any other remedy to which it may be entitled to at law or in equity, may terminate this Agreement, in whole or in part, with cause, for any of the following reasons, each of which shall constitute a material breach and "Default" of the Agreement:
- (1) Engineer fails to perform any portion of the Scope of Services within the timeframe(s) provided under this Agreement.
 - (2) Engineer fails to comply with County's documentation and reporting requirements, terms and requirements of this Agreement, or applicable federal, state, or local laws and regulations.
 - (3) Non-performance and suspension of the Agreement by Engineer that exceeds thirty (30) calendar days due to Force Majeure.
 - (4) Engineer fails to perform any obligation under this Agreement or as required by law, ordinance, or regulation and such failure creates an imminent threat to the public health and/or safety.
 - (5) Engineer otherwise materially breaches any of the covenants or terms and conditions set forth in this Agreement or fails to perform any of the other

provisions of this Agreement or so fails to make progress as to endanger performance of this Agreement in accordance with its terms.

- (6) County shall notify Engineer in writing of the alleged Default in reasonable detail ("Notice"). Upon receipt of said Notice, Engineer shall have opportunity to cure such Default within the time specified in the Notice by County. If Engineer fails to cure such Default within such time, and to the reasonable satisfaction of County, then County may elect to terminate this Agreement for cause.
 - (7) If, after termination of the Agreement by County for cause, it is determined for any reason whatsoever that Engineer was not in Default, or that the Default was excusable, the rights and obligations of the Parties hereunder shall be the same as if the termination had been issued by County without cause in accordance with this Agreement.
 - (c) Upon termination of this Agreement for any reason, Engineer shall cease all work and activity for the Services by the date specified by County and shall not incur any new obligations or perform any additional services for the work performed hereunder beyond the specified date. County shall compensate Engineer in accordance with Section 4, above, for such work provided by Engineer under this Agreement prior to its termination and which has not been previously presented for payment by Engineer to County.
 - (d) If County terminates this Agreement as provided in this Section, no fees of any type, other than fees due and payable at the termination date, shall thereafter be paid to Engineer.
20. **Force Majeure.** In the event either Party is rendered unable, wholly or in part, by Force Majeure to carry out any of its obligations under this Agreement, then, within a reasonable time after the occurrence of such event, but no later than ten (10) calendar days after, the Party whose obligations are so affected (the "Affected Party") thereby shall notify the other in writing stating the nature of the event and the anticipated duration. The Affected Party's obligations under this Agreement shall be suspended during the continuance of any delay or inability caused by the event, but for no longer period. The Affected Party shall further endeavor to remove or overcome such delay or inability as soon as is reasonably possible.

For purposes of this Agreement, Force Majeure includes, but is not limited to: acts of God, strikes, lockouts, or other industrial disturbances, acts of the public enemy, orders of any kind of the government of the United States of America or the State of Texas or any civil or military authority other than a Party to this Agreement, insurrections, riots,

epidemics, landslides, lightning, earthquakes, fires, hurricanes, severe storms, floods, washouts, drought, arrests, restraint of government and people, civil disturbances, explosions, breakage or accidents to machinery, pipelines or canals, and any other inabilities of any Party, similar to those enumerated, which are not within the control of the Party claiming such inability, which such Party could not have avoided by the reasonable exercise of due diligence and care.

21. **Assignment.** Engineer shall not assign this Agreement to another party without the prior written consent of County.
22. **Successors and Assigns Bound.** County and Engineer each bind themselves and their successors and assigns to the other Party and to the successors and assigns of such other Party, with respect to all covenants of this Agreement.
23. **Publicity.** Contact with citizens of Fort Bend County, media outlets, or other governmental agencies shall be the sole responsibility of County. Under no circumstances, whatsoever, shall Engineer release any material or information developed or received during the performance of Services hereunder unless Engineer obtains the express written approval of County or is required to do so by law.
24. **Notice.** Any and all notices required or permitted under this Agreement shall be in writing and shall be mailed by certified mail, return receipt requested, or personally delivered to the following addresses:

If to County: Fort Bend County Engineering
Attn: County Engineer
301 Jackson Street, 4th Floor
Richmond, Texas 77469

And

Fort Bend County, Texas
Attn: County Judge
401 Jackson Street, 1st Floor
Richmond, Texas 77469

If to Engineer: **HR Green, Inc.**
Attn: Jesus Olivas, PE
11011 Richmond Ave.
Suite 200
Houston, Texas 77042

Within five (5) business days of the Effective Date of this Agreement, each Party to this Agreement shall designate in writing to the other Party one person and one alternate

person to be that Party's designated spokesperson for communications between the Parties.

25. **Standard of Care.** Pursuant to Section 271.904 of the Texas Local Government Code, Engineer represents to County that Engineer has the skill and knowledge ordinarily possessed by well-informed members of its trade or profession ("Professionals") practicing in the greater Houston metropolitan area. Engineer shall provide the Services to County with the same professional skill and care ordinarily provided by such Professionals under the same or similar circumstances and professional license and as expeditiously as is prudent considering the ordinary professional skill and care of a competent Professional.
26. **Travel Policy.** Mutually approved travel and mileage expenses incurred in the performance of the Services hereunder will be reimbursed to Engineer only to the extent that those costs do not exceed Fort Bend County travel reimbursement allowances. A copy of County's Travel Policy with those reimbursement limits shall be provided to Engineer upon request.
27. **Arbitration, Litigation Waiver, and Attorney Fees.** County does not agree to submit disputes arising out of this Agreement to binding arbitration nor does County agree to pay any and/or all attorney fees incurred by Engineer in any way associated with this Agreement. Therefore, any references in Engineer's Proposal to binding arbitration, waiver of a right to litigate a dispute, or payment of attorney fees are hereby deleted.
28. **No Waiver of Jury Trial.** County does not agree that all disputes (including any claims or counterclaims) arising from or related to this Agreement shall be resolved without a jury. Therefore, any references in Engineer's Proposal to County's waiver of jury trial are hereby deleted.
29. **Limitations.** Limitations for the right to bring an action, regardless of form, shall be governed by the applicable laws of the State of Texas, and any provisions to the contrary in Engineer's Proposal are hereby deleted.
30. **Indemnification by County.** **ENGINEER UNDERSTANDS AND AGREES THAT UNDER THE TEXAS CONSTITUTION AND THE LAWS OF THE STATE OF TEXAS, COUNTY CANNOT ENTER INTO AN AGREEMENT WHEREBY COUNTY AGREES TO INDEMNIFY OR HOLD HARMLESS ANOTHER PARTY. THEREFORE, ANY AND ALL REFERENCES IN ENGINEER'S PROPOSAL TO COUNTY DEFENDING, INDEMNIFYING, OR HOLDING OR SAVING HARMLESS ENGINEER OR ANY OTHER PARTY, FOR ANY REASON WHATSOEVER, ARE HEREBY DELETED.**

31. **Entire Agreement and Modification.** This Agreement constitutes the entire Agreement between the Parties and supersedes all previous agreements, written or oral, pertaining to the subject matter of this Agreement. Any amendment to this Agreement must be in writing and signed by each Party to come into full force and effect. **IT IS ACKNOWLEDGED BY ENGINEER THAT NO OFFICER, AGENT, EMPLOYEE, OR REPRESENTATIVE OF COUNTY HAS ANY AUTHORITY TO CHANGE THE TERMS OF THIS AGREEMENT OR ANY ATTACHED EXHIBITS HERETO UNLESS EXPRESSLY AUTHORIZED BY THE FORT BEND COUNTY COMMISSIONERS COURT.**
32. **Conflict.** In the event there is a conflict among the terms of this document entitled “Agreement for Professional Engineering Services” and the terms of Engineer’s Proposal or any other exhibit attached hereto, the terms of this document shall prevail with regard to the conflict.
33. **Understanding Fair Construction.** By execution of this Agreement, the Parties acknowledge that they have read and understood each provision, term, and obligation contained herein. This Agreement, although drawn by one party, shall be construed fairly and reasonably and not more strictly against the drafting Party than the non-drafting Party.
34. **Severability.** In case any one or more of the provisions contained in this Agreement shall for any reason be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provision hereof and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.
35. **No Waiver of Immunity.** Neither the execution of this Agreement nor any other conduct of either Party relating to this Agreement shall be considered a waiver or surrender by County of its governmental powers or immunity under the Texas Constitution or the laws of the state of Texas.
36. **Applicable Law and Venue.** This Agreement shall be construed according to the laws of the state of Texas. Venue for any claim arising out of or relating to the subject matter of this Agreement shall lie in a court of competent jurisdiction of Fort Bend County, Texas.
37. **Certain State Law Requirements for Contracts** The contents of this Section are required by Texas law and are included by County regardless of content For purposes of Sections 2252.152, 2271.002, and 2274.002, Texas Government Code, as amended, Engineer hereby verifies that Engineer and any parent company, wholly owned subsidiary, majority-owned subsidiary, and affiliate:
- (a) Unless affirmatively declared by the United States government to be excluded from its federal sanctions regime relating to Sudan or Iran or any federal sanctions

regime relating to a foreign terrorist organization, Engineer is not identified on a list prepared and maintained by the Texas Comptroller of Public Accounts under Section 806.051, 807.051, or 2252.153 of the Texas Government Code.

- (b) If employing ten (10) or more full-time employees and this Agreement has a value of \$100,000.00 or more, Engineer does not boycott Israel and is authorized to agree in such contracts not to boycott Israel during the term of such contracts. "Boycott Israel" has the meaning provided in § 808.001 of the Texas Government Code.
 - (c) If employing ten (10) or more full-time employees and this Agreement has a value of \$100,000.00 or more, Engineer does not boycott energy companies and is authorized to agree in such contracts not to boycott energy companies during the term of such contracts. "Boycott energy company" has the meaning provided in § 809.001 of the Texas Government Code.
 - (d) If employing ten (10) or more full-time employees and this Agreement has a value of \$100,000.00 or more, Engineer does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association and is authorized to agree in such contracts not to discriminate against a firearm entity or firearm trade association during the term of such contracts. "Discriminate against a firearm entity or firearm trade association" has the meaning provided in § 2274.001(3) of the Texas Government Code. "Firearm entity" and "firearm trade association" have the meanings provided in § 2274.001(6) and (7) of the Texas Government Code.
38. **Human Trafficking.** BY ACCEPTANCE OF THIS AGREEMENT, ENGINEER ACKNOWLEDGES THAT FORT BEND COUNTY IS OPPOSED TO HUMAN TRAFFICKING AND THAT NO COUNTY FUNDS WILL BE USED IN SUPPORT OF SERVICES OR ACTIVITIES THAT VIOLATE HUMAN TRAFFICKING LAWS.
39. **Captions.** The section captions used in this Agreement are for convenience of reference only and do not affect the interpretation or construction of the Agreement.
40. **Electronic and Digital Signatures.** The Parties to this Agreement agree that any electronic and/or digital signatures of the Parties included in this Agreement are intended to authenticate this writing and shall have the same force and effect as the use of manual signatures.
41. **Certification.** By his or her signature below, each signatory individual certifies that he or she is the properly authorized person or officer of the applicable Party hereto and has the requisite authority necessary to execute this Agreement on behalf of such Party, and each Party hereby certifies to the other that it has obtained the appropriate approvals or authorizations from its governing body as required by law.

IN WITNESS WHEREOF, and intending to be legally bound, County and Engineer hereto have executed this Agreement to be effective on the date signed by the last Party hereto.

FORT BEND COUNTY, TEXAS

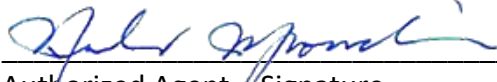
KP George, County Judge

Date

ATTEST:

Laura Richard, County Clerk

HR GREEN, INC.



Authorized Agent - Signature

Andrew Mrowicki, PE
Authorized Agent- Printed Name

Infrastructure Group Executive
Title

2/4/2025
Date

APPROVED:



J. Stacy Slawinski, County Engineer

AUDITOR'S CERTIFICATE

I hereby certify that funds in the amount of \$_____ are available to pay the obligation of Fort Bend County, Texas within the foregoing Agreement.

Robert Ed Sturdivant, County Auditor

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EXHIBIT A

(Engineer's Proposal Follows Behind)



▶ 11011 Richmond Avenue | Suite 200
Houston, TX 77042
Main 713.965.9996 + **Fax** 713.965.0044
▶ HRGREEN.COM

Mr. Kevin Mineo, PE
1160 Dairy Ashford, Suite 500
Houston, TX 77079

November 5, 2024

RE: Proposal for Roadway Improvements for Ricefield Road in Fort Bend County.

Dear Mr. Mineo:

HR Green is pleased to submit this proposal for performing engineering and construction phase services for the above-referenced project. The proposal includes Preliminary Design Phase, Final Design Phase, Bid Phase, and Construction Phase Services based on our understanding of the project as discussed with you and from exhibits and information provided for the project. This proposal presents a general overview with preliminary construction cost estimate, scope of service, and proposed fee.

GENERAL OVERVIEW

The project limits are located Richmond, Texas in Fort Bend County. The limits are from the intersection of Benton Road to Berdett Road, for 8,100 feet. The existing roadway(s) consists of 24-foot-wide asphalt pavement roads, open ditch areas, and variable width ROW. The proposed improvement will consist of a 4-lane roadway with concrete curb and gutter and a raised median within a 77' and 120' wide ROW. The improvements will also include curb drain inlets and storm sewer pipe. This concept will be analyzed and approved by Fort Bend County at the PER Meeting and through the design submittal process in the Preliminary Design Phase.

The project estimated construction cost is **\$21,110,000.00** including **\$15,278,000** for Construction Cost and **\$5,831,850.00** for ROW acquisition and Utility Adjustments.

The ROW cost has not been confirmed or checked by HR Green at this time but will be part of our Preliminary Engineering efforts.

PROPOSED FEE

The proposed fee for Preliminary Design Phase, Final Design Phase and Bid/Construction Phase Services is **\$1,708,926.00** (including sub-consultant fees). Design Phase Services are based on lump sum fees. Construction Phase Services are based on Time and Materials. Reimbursable expenses will be charged at direct cost and mileage will be charged at the current IRS approved rate.



Base Services

Phase 1: Preliminary Phase Services (Lump Sum Service)

Preliminary Design by HR Green (Duration = 90 days from completion of approved topo survey)	\$479,090.00
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Phase 2: Final Design Services (Lump Sum Service)

Final Design by HR Green Duration = 210 days from Final Design NTP	\$558,060.00
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Total Base Services by HRG	\$1,037,150.00
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Additional Services

Survey Services by Weisser Engineering	\$119,245.00
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SUE Services by Jaymark	\$53,905.00
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Geotechnical Services by ATL	\$117,848.00
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Detention Pond Geotechnical Services by ATL	\$61,283.00
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Total Additional Services	\$352,281.00
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Optional Additional Services

Phase 3: Bid and CPS (HRG)	\$104,940.00
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Phase 2: Roadway Intersection Design (HRG)	\$71,980.00
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Phase 2: Waterline Adjustment Design (HRG)	\$30,357.50
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Phase 2: Sanitary Sewer Line Design (HRG)	\$32,232.50
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Project Control for Construction by Weisser	\$7,660.00
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Parcel Surveys by Weisser	\$61,750.00
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Interim ROW Staking by Weisser	\$10,575.00
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Total Optional Additional Services	\$319,495.00
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Total Engineering Cost	\$1,708,926.00
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SCOPE OF SERVICES

I. Project Coordination

- Coordinate with Fort Bend County
- Coordinate with GEC
- Coordinate with MUD's (#152, #184, and #237)
- Coordinate with Private Utilities (Overhead Powerlines)
- Coordinate with Geotech (ATL) to obtain Geotechnical Report
- Coordinate with Surveyor (WEISSER) to obtain Survey information
- Coordinate with Utility Engineer (JAYMARK) for utility coordination
- Coordinate with adjacent engineers (LJA & Entech)
- Develop project schedule
- Meet every two weeks with Program Manager (30 minutes)(2 mtg X 12 months = 24 meetings)

II. Preliminary Design Phase

- Project coordination with Fort Bend County and BBI.
- Project Management and Coordination
- Establish existing and proposed typical sections
- Develop cross sections.
- Determine ROW acquisition needs
- Determine potential conflicts with existing facilities and utilities
- Prepare a Utility Conflict table.
- Identify critical path items
- Identify problem areas and potential resolution
- Prepare a construction cost estimate
- Identify impacts to pipelines by locating the drainage high point at pipeline intersections.
- Prepare 30% plan set, consisting of all existing features shown on the plan and profile, and proposed improvements in plan only with minor annotation.
- Obtain FEMA Flood Insurance Rate Maps (FIRM) (msc.fema.gov)
- Prepare a Power Point and present report at PER Meeting.
- Prepare Geotechnical Report/Investigation (Associated Testing Laboratories)
- Geotechnical Investigation for proposed detention pond (Associated Testing Laboratories)
- Coordinate with Surveyors to obtain Topographic Survey and ROW mapping (Weisser Engineering)
- Include Environmental Report (provided by Fort Bend County)
- Coordination with stakeholders (FBC, FBC Drainage District, utility companies, schools affected, HOAs affected, etc)
- Perform QA/QC for PER phase
- Prepare Preliminary Engineering Design Report (PER)

Drainage Report and Preliminary Drainage Design (By Scott Cunningham)

- Determine drainage area needs (drainage report and preliminary roadway drainage design).
- Project Coordination/Meetings (w/ FBCDD, DCCM, PCT 2)
- Field Visit/Topographic Survey Verification
- Data Collection
- Determine drainage area needs (Roadway drainage design)
- Evaluate Detention Pond needs and provide location and capacity needs (exhibits)
- Existing DA Delineation/Hydrology/XPSWMM Model Build
- Proposed DA Delineation/Hydrology/XPSWMM Model Build (2 Alts)
- Drainage Report w/ Exhibits and Appendices
- Response to Comments

III. Final Design Phase Services

70% Submittal

- Project coordination, data collection, review and approvals with BBI
- Prepare digital PDF copy of construction plans, specifications, and estimate.
- Prepare Title Sheet with project limits and 70% interim seal
- Prepare Index of Sheets
- Prepare General Notes
- Prepare existing and proposed Typical Sections
- Prepare cross sections (100 foot intervals and earthwork calculations)
- Prepare overall Project Layout sheet
- Prepare Survey Control Map sheets (by surveyor).
- Prepare Right-of-Way Map sheets (by surveyor)
- Prepare Horizontal Alignment Data Sheets
- Prepare Roadway Plan and Profile sheets. 17 sheets, 500' each, showing all roadway features, alignment, profile, PC's, PT's, driveways, inlets and pipe runs.
- Prepare Drainage Area Map with hydraulic calculations and storm sewer details.
- Prepare Detention Pond design and detail.
- Prepare a Traffic Control Plan
- Prepare Signing and Striping Plan sheets.
- Prepare Storm Water Pollution Prevention Plan sheets (SW3P)
- Prepare Quantity take-off calculations
- Provide plans to all known utility companies
- Prepare a Specification Table of Contents (Harris County Specifications)
- Prepare engineers opinion of probable construction cost
- Prepare Bid Form with estimated units and total cost (PDF and Excel Format)
- Prepare Bid Manual with documents and specifications
- Prepare KMZ file of 70% design with proposed ROW.
- Perform QA/QC for 70% plans
- Prepare 70% Review Checklist

95% Submittal

- Prepare digital PDF copy of construction plans, specifications, and estimate for 95% plans.

- Verify earthwork quantities with cross sections at 100-foot intervals
- Develop Standard Construction Details.
- Prepare 95% construction cost estimate.
- Provide plans to all known utility companies
- Prepare 95% Project Manual (bid form, specification table of contents, special specifications or conditions, contract documents)
- Prepare KMZ file of 95% design with proposed ROW.
- Perform QA/QC for 95% plans
- Address and respond to 70% review comments
- Prepare 95% Review Checklist.

100% Submittal

- Prepare digital PDF copy of construction plans, specifications, and estimate for 100% plans.
- Prepare 100% Project Manual (bid form, specification table of contents, special specifications or conditions, contract documents)
- Prepare 100% construction cost estimate.
- Provide plans to all known utility companies
- Prepare KMZ file of 100% design with proposed ROW.
- Perform QA/QC for 100% plans
- Address and respond to 95% review comments
- Develop Construction Timeline in calendar days for construction
- Prepare 100% Review Checklist.

IV. Bid Phase Phase Services

- Attend Pre-Bid meeting (take and provide meeting minutes)
- Prepare Project Manual in PDF format for bidding.
- Prepare Bid Form in Excel format to calculate totals from vendors with all cells locked except the unit pricing.
- Provide single project file in PDF format, the bid form in Excel format, and one drawing plan set to the Program Manager
- Provide information to and answer questions from bidders concerning construction documents.

V. Construction Phase Services

- Attend Pre-Construction meeting (take and provide meeting minutes)
- Prepare hard copies of plan sets and project manuals for pre-construction meeting.
- Review and respond accordingly to submittals and RFI's.
- Assist in preparing change orders necessitated by field conditions
- Assist the County in conducting final inspection walkthrough of the project. Coordinate with the County and the Contractor on the punch list items identified in the final inspections.
- Provide one (1) set of reproducible record drawings based on the red lined drawings provided to HR Green by the Contractor.
- Develop KMZ file showing the existing/proposed right-of-way and proposed improvements and upload to Masterworks.



VI. Optional Additional Services

- Full intersection geometric design at Berdett Road (Stop-Sign Condition, no Signal design)
- Sanitary Sewer line Adjustment
- Waterline Adjustment
- Survey – Project Control for Construction
- Survey – Parcel Surveys
- Survey – Interim ROW Staking
- Survey – Soil Boring locations

NOT INCLUDED IN SCOPE OF SERVICES/ASSUMPTIONS:

- Environmental Evaluation/Analysis not included.
- For construction phase services, detailed measurements and investigations are not part of this task.
- Attendance at Public meetings.
- On-site representation and construction inspection services are not part of this task.
- HR Green is not responsible for the means, methods, techniques, sequence of procedures of construction selected by the Contractor(s) or the safety precautions and programs incident to the work of the Contractor(s). HR Green is not responsible for the failure of the Contractor to perform the work in accordance with the construction documents.
- Construction testing is not included in this proposal. It is our understanding that the County will contract directly with a testing firm to perform testing services.

HR Green appreciates the opportunity to submit this proposal and we look forward to working with you and your staff on this important project. Please call should you have any questions or comments.

Sincerely,

A handwritten signature in blue ink, reading 'Jesus Olivas'.

Jesus Olivas, P.E.
Project Manager
HR GREEN, INC.



PHASE 1: PRELIMINARY DESIGN PHASE LEVEL OF EFFORT (LOE) FEE ESTIMATE
RICEFIELD ROAD - SEGMENT 2 PROJECT
FORT BEND COUNTY - PRECINCT 2

LUMP SUM
SERVICE

DURATION FOR PRELIMINARY DESIGN PHASE BASIC SERVICES = 90 DAYS															Total Hours	Total Cost
	Principal / Managing Director	Senior Project Manager	Senior Engineer	Project Engineer	Staff Engineer	Senior CADD Technician	CADD Technician	Senior Project Manager	Senior Engineer	Project Engineer	Staff Engineer	Senior CADD Technician	Admin / Clerical			
	\$ 350	\$ 290	\$ 195	\$ 180	\$ 150	\$ 155	\$ 150	\$ 290	\$ 195	\$ 180	\$ 150	\$ 155	\$ 130			
1. Project Coordination																
1.1 Coordinate with Fort Bend County	2	6			36										44	\$ 7,840
1.10 Meet every two weeks with Program Manager (30 minutes)(2 mtg X 12 months = 24 meetings)		12	12	12											36	\$ 7,980
1.2 Coordinate project management and coordination with GEC (BBI)	2	12		36	36								24		110	\$ 19,180
1.3 Coordinate with MUD's (#152, #184, and #237)		24	24	24											72	\$ 15,960
1.4 Coordinate with Private Utilities (Overhead Powerlines)		8	12	16											36	\$ 7,540
1.5 Coordinate with Geotech (ATL) to obtain Geotechnical Report		10	20	20											50	\$ 10,400
1.6 Coordinate with Surveyor (WEISSER) to obtain Survey information		12	20	24		20									76	\$ 14,800
1.7 Coordinate with Utility SUE Engineer (JAYMARK) for utility coordination		3	6	6											15	\$ 3,120
1.8 Coordinate with adjacent engineers (LJA & Entech)		6	12	16											34	\$ 6,960
1.9 Develop project schedule		6	12	16											34	\$ 6,960
Subtotal Hours	4	99	118	170	72	20	0						24		507	\$ 100,740
Subtotal Fee	\$ 1,400	\$ 28,710	\$ 23,010	\$ 30,600	\$ 10,800	\$ 3,100	\$ -						\$ 3,120			\$ 100,740
2. Determine Right of Way Acquisition Needs																
2.1 Evaluate Proposed Cross Section and Proposed ROW needs		6	8	16		16									46	\$ 8,660
2.2 Develop preliminary ROW Exhibit		6	8	16		24									54	\$ 9,900
Subtotal Hours	0	12	16	32	0	40	0						0		100	\$ 18,560
Subtotal Fee	\$ -	\$ 3,480	\$ 3,120	\$ 5,760	\$ -	\$ 6,200	\$ -						\$ -			\$ 18,560
3. Identify Existing Utilities and Potential Utility Conflicts																
3.1 Determine/Identify Potential Conflicts with existing facilities and utilities and potential resolution		8	16	24	24										72	\$ 13,360
3.2 Identify impacts to pipelines (locate drainage highpoint at pipeline intersection)		4	8	12	12										36	\$ 6,680
3.2 Prepare a Utility Conflict Table		8	16	24	24										72	\$ 13,360
Subtotal Hours	0	20	40	60	60	0	0						0		180	\$ 33,400
Subtotal Fee	\$ -	\$ 5,800	\$ 7,800	\$ 10,800	\$ 9,000	\$ -	\$ -						\$ -			\$ 33,400
4. Identify Critical Path Items																
4.1 Prepare a project schedule and Identify Critical Path Design Elements	1	8	16												25	\$ 5,790
Subtotal Hours	1	8	16	0	0	0	0						0		25	\$ 5,790
Subtotal Fee	\$ 350	\$ 2,320	\$ 3,120	\$ -	\$ -	\$ -	\$ -						\$ -			\$ 5,790
5. Prepare Construction Cost Estimate																
5.1 Prepare Construction Cost Estimate	1	6	8	24	24								4		67	\$ 12,090
Subtotal Hours	1	6	8	24	24	0	0						4		67	\$ 12,090
Subtotal Fee	\$ 350	\$ 1,740	\$ 1,560	\$ 4,320	\$ 3,600	\$ -	\$ -						\$ 520			\$ 12,090
6. Prepare 30% Complete Plans																
6.1 Develop Plan and Profile Sheets (Plan & Profile) (17 sheets)(with proposed stm swr, inlets and utilities)	5	24	35	40	40	60	80								284	\$ 50,035
6.2 Develop Existing Typical Section (1 sheet)		1	1	1	1	4	12								20	\$ 3,235
6.3 Develop Proposed Typical Section (2 sheet)		1	1	2	2	10	24								40	\$ 6,295
6.4 Establish Preliminary Cross Sections (every 100') (36 sheets)		4	24	24	32										84	\$ 14,960
6.5 Field Visits/Data Collection for Base Map Preparation (check/verify topo survey, check driveways, etc.)		4	8	16	8			4		12	8				60	\$ 11,320
6.6 Develop Project Alignment		4	8	16	16		16								60	\$ 10,400
6.7 Develop Proposed Profile Grade Line		4	8	16	16		16								60	\$ 10,400
6.8 Develop Proposed Plan Roadway Layout (driveways, edge of pavement and tie-ins)		4	16	32	32		32								116	\$ 19,640
6.9 Develop Detention Sheets (Layout, Outfall/Infall Plan & Profiles, Sections)		4	4	8					4	8	20	40			88	\$ 14,800
6.10 Obtain FEMA Flood Insurance Maps (FIRM)		4	8												12	\$ 2,720



PHASE 1: PRELIMINARY DESIGN PHASE LEVEL OF EFFORT (LOE) FEE ESTIMATE
RICEFIELD ROAD - SEGMENT 2 PROJECT
FORT BEND COUNTY - PRECINCT 2

														LUMP SUM SERVICE		
DURATION FOR PRELIMINARY DESIGN PHASE BASIC SERVICES = 90 DAYS			ROADWAY / TRAFFIC						HYDRAULICS/HYDROLOGY							
	Principal / Managing Director	Senior Project Manager	Senior Engineer	Project Engineer	Staff Engineer	Senior CADD Technician	CADD Technician	Senior Project Manager	Senior Engineer	Project Engineer	Staff Engineer	Senior CADD Technician	Admin / Clerical	Total Hours	Total Cost	
	\$ 350	\$ 290	\$ 195	\$ 180	\$ 150	\$ 155	\$ 150	\$ 290	\$ 195	\$ 180	\$ 150	\$ 155	\$ 130			
6.11 Develop KMZ exhibits		1	1	3	4									9	\$ 1,625	
6.12 Perform QAQC for PER phase	1	8	24											33	\$ 7,350	
6.13 Quantity take-offs and Construction Cost Estimate		1	2	8	8									19	\$ 3,320	
Subtotal Hours	6	64	140	166	159	74	180	4	4	20	28	40	0	885	\$ 156,100	
Subtotal Fee	\$ 2,100	\$ 18,560	\$ 27,300	\$ 29,880	\$ 23,850	\$ 11,470	\$ 27,000	\$ 1,160	\$ 780	\$ 3,600	\$ 4,200	\$ 6,200	\$ -		\$ 156,100	
7. Prepare Preliminary Engineering Letter Report																
7.1 Develop Preliminary Engineering Report (PER)	2	8	24	24	24									82	\$ 15,620	
7.2 Prepare a Power Point and present report at PER Meeting.		6	8	16										30	\$ 6,180	
7.3 Permit and Regulatory Requirements FBC Drainage District		6	8	16										30	\$ 6,180	
7.4 Permit and Regulatory Requirements Regional Entities		6	8	16										30	\$ 6,180	
7.5 Attend and present at PER meeting		3	3	3										9	\$ 1,995	
Subtotal Hours	2	29	51	75	24	0	0	0	0	0	0	0	0	181	\$ 36,155	
Subtotal Fee	\$ 700	\$ 8,410	\$ 9,945	\$ 13,500	\$ 3,600	\$ -	\$ -						\$ -		\$ 36,155	
8. Prepare Drainage Study (Scott Cunningham)																
8.1 Project Coordination/Meetings (w/ FBCDD, DCCM, PCT 2)								12		12	12			36	\$ 7,440	
8.2 Data Collection								6	8	8	16			38	\$ 7,140	
8.3 Determine drainage area needs (Roadway drainage design)								6	8	8	16			38	\$ 7,140	
8.4 Evaluate detention needs and provide location and capacity needs (exhibits)								6	10	20	24			60	\$ 10,890	
8.5 Existing DA Delineation/Hydrology/XPSWMM Model Build								6	8	32	64	8		118	\$ 19,900	
8.6 Proposed DA Delineation/Hydrology/XPSWMM Model Build (2 Alts)								6	20	60	100			186	\$ 31,440	
8.7 Drainage Report w/ Exhibits and Appendices								16	16	32	48	8	4	124	\$ 22,480	
8.8 Response to Comments									6	12	24			42	\$ 6,930	
Subtotal Hours	0	0	0	0	0	0	0	58	76	184	304	16	4	642	\$ 113,360	
Subtotal Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,820	\$ 14,820	\$ 33,120	\$ 45,600	\$ 2,480	\$ 520		\$ 113,360	
9. Reproduction Services and other reimbursable expenses (Direct Cost)																
	UNITS	COST/UNIT	QUANTITY													
		Current Approved														
Mileage (# of miles) (current state rate)	MI	IRS Rate	1000												\$625.000	
CIVCAST	EA	\$110.00	1												\$110.000	
Photocopies B/W (8.5 X 11) (Bid Books: 5 sets x 300 sheets)	EA	\$0.12	1500												\$180.000	
Blackline Prints (11" X 17") (Plan Sets: 6 sets x 300 sheets)	EA	\$1.10	1800												\$1,980.000	
Site visits, plans reproduction, Mileage Total															\$2,895.000	
TOTAL PHASE I BASIC SERVICES HOURS	14	238	389	527	339	134	180	62	80	204	332	56	32	2587		
TOTAL PHASE I BASIC SERVICES FEES	\$ 4,900	\$ 69,020	\$ 75,855	\$ 94,860	\$ 50,850	\$ 20,770	\$ 27,000	\$ 17,980	\$ 15,600	\$ 36,720	\$ 49,800	\$ 8,680	\$ 4,160		\$ 479,090	



PHASE II: FINAL DESIGN PHASE LEVEL OF EFFORT (LOE) FEE ESTIMATE
RICEFIELD ROAD - SEGMENT 2 PROJECT
FORT BEND COUNTY

DURATION SCHEDULE FOR BASIC SERVICES = 180 DAYS									LUMP SUM SERVICE	
	Principal / Managing Director	Senior Project Manager	Senior Engineer	Project Engineer	Staff Engineer	Senior CADD Technician	CADD Technician	Admin / Clerical	Total Hours	Total Cost
	\$ 350	\$ 290	\$ 195	\$ 180	\$ 150	\$ 155	\$ 150	\$ 130		
1. COORDINATION, DATA COLLECTION, REVIEW AND APPROVAL										
1.1 Meet every two weeks with Program Manager (30 minutes)(2 mtg X 12 months = 24 meetings) + Kick-Off mtg.		13	13	13					39	\$ 8,645
1.2 Coordinate with Private Utilities		2	4	4					10	\$ 2,080
1.3 Internal QA/QC (70%, 95%, 100% Reviews)		40	40		36				116	\$ 24,800
1.4 Site Meeting with GEC (one)		4	4	4					12	\$ 2,660
1.5 Coordinate project management, Review and Approvals With GEC (BBI)		12		36	36			40	124	\$ 20,560
1.6 Coordinate, Review and Approvals with City of Rosenberg and Thompsons		4	2	4					10	\$ 2,270
1.7 Provide plans to all known utility companies at 70%, 95%, and 100%		3	6	16			8		33	\$ 6,120
1.8 Coordinate/Approval with Private Utilities		4	4	8					16	\$ 3,380
1.9 Coordinate with Fort Bend County		2	4	4					10	\$ 2,080
1.10 Coordinate with MUD's (#152, #184, and #237)		2	4	4					10	\$ 2,080
1.11 Coordinate with Surveyor (WEISSER) to obtain Survey information		4	8	8					20	\$ 4,160
1.12 Coordinate with Utility Engineer (JAYMARK) for utility coordination		2	4	4					10	\$ 2,080
1.13 Coordinate with adjacent engineers (LJA & Entech)		2	4	4					10	\$ 2,080
1.14 Update project schedule (as needed)		2	2	2					6	\$ 1,330
Subtotal Hours	0	96	99	111	72	0	8	40	426	\$ 84,325
Subtotal Fee	\$ -	\$ 27,840	\$ 19,305	\$ 19,980	\$ 10,800	\$ -	\$ 1,200	\$ 5,200		\$ 84,325
2. PLAN SET DEVELOPMENT - GENERAL FRONT END DRAWINGS										
2.1 Title Sheet (Project Title; Location & Vicinity Map) (1 sheet)		1	2	4	2		12		21	\$ 3,500
2.2 Index Of Drawings (1 sheets)		1	2	2	4		6		15	\$ 2,540
2.3 General Construction Notes, Private Utility Notes (2 sheets)		0	0	1			1		2	\$ 330
2.4 Legends (Const. & Topo), Abbreviations & Plan & Profile Key Notes (1 sheet)		1	2	4					7	\$ 1,400
2.5 Project Sign for Fort Bend County (2 sheet)		0	0	1			1		2	\$ 330
2.6 Prepare Specification Table of Contents (Harris County Specs)		1	2	4					7	\$ 1,400
2.7 Quantity Take-offs and Prepare engineers opinion of probable construction cost at 70%, 95%, and 100%		8	24	30	36				98	\$ 17,800
2.8 Prepare PDF digital copy of Bid Manual with Bid Proposal at 95%, and 100% submittals		2	4	8	8				22	\$ 4,000
2.9 Prepare KMZ file fo 70%, 95%, and 100% design with proposed ROW		2	8	12					22	\$ 4,300
2.10 Prepare 70%, 95%, and 100% Review Checklist		4	8						12	\$ 2,720
2.11 Develop Construction Timeline in calendar days for construction		8							8	\$ 2,320
Subtotal Hours	0	28	52	66	50	0	20	0	216	\$ 40,640
Subtotal Fee	\$ -	\$ 8,120	\$ 10,140	\$ 11,880	\$ 7,500	\$ -	\$ 3,000	\$ -		\$ 40,640
3. DRAINAGE SHEETS										
3.1 Overall Project Drainage Area Map (1 sheet)		1	2	4	8		15		30	\$ 4,850
3.2 Drainage System Map (9 sheets)(1:100 scale)		4	24	32	32		100		192	\$ 31,400
3.3 Hydraulic Calculations for Storm Sewer (4 sheets)		1	21	26	32		15		95	\$ 16,115
3.4 Inlet Details (4 sheets)		1	2	12			10		25	\$ 4,340



PHASE II: FINAL DESIGN PHASE LEVEL OF EFFORT (LOE) FEE ESTIMATE
RICEFIELD ROAD - SEGMENT 2 PROJECT
FORT BEND COUNTY

	DURATION SCHEDULE FOR BASIC SERVICES = 180 DAYS								LUMP SUM SERVICE	
	Principal / Managing Director	Senior Project Manager	Senior Engineer	Project Engineer	Staff Engineer	Senior CADD Technician	CADD Technician	Admin / Clerical	Total Hours	Total Cost
	\$ 350	\$ 290	\$ 195	\$ 180	\$ 150	\$ 155	\$ 150	\$ 130		
3.5 Manhole and Junction Box Details (4 sheets)		1	2	8			8		19	\$ 3,320
3.6 Culvert Plan and Profiles (2 sheets)			2	8	8		32		50	\$ 7,830
3.7 Detention Pond Layout sheet			1	4	8		20		33	\$ 5,115
3.8 Detention Pond Outfall Plan and Profile			1	4	4		16		25	\$ 3,915
3.9 Detention Pond Infall Plan and Profile			1	4	4		16		25	\$ 3,915
3.10 Detention Pond Sections				2	4		8		14	\$ 2,160
3.11 Detention Pond Standard Details (4 sheets)				1	1		2		4	\$ 630
3.12 Detention Pond Headwall/Wingwall Details (2 sheets)			1	4	4		8		17	\$ 2,715
3.13 Detention Pond Spillway Detail			1	4	4		8		17	\$ 2,715
3.14 Detention Pond All-Weather Access Road Detail				1	1		4		6	\$ 930
Subtotal Hours	0	8	58	114	110	0	262	0	552	\$ 89,950
Subtotal Fee	\$ -	\$ 2,320	\$ 11,310	\$ 20,520	\$ 16,500	\$ -	\$ 39,300	\$ -		\$ 89,950
4. TYPICAL SECTION SHEETS										
4.1 Existing Roadway Typical Sections (1 sheet)		1	2				4		7	\$ 1,280
4.2 Proposed Typical Sections (2 sheet, Ultimate Section & begin/end transitions)		1	5				8		14	\$ 2,465
Subtotal Hours	0	2	7	0		0	12	0	21	\$ 3,745
Subtotal Fee	\$ -	\$ 580	\$ 1,365	\$ -		\$ -	\$ 1,800	\$ -		\$ 3,745
5. ROADWAY AND DRAINAGE PLAN & PROFILES										
5.1 Project Layout with Pavement Limits & Boring Location Plan (2 sheets) (1"=250')		1	6	12			26		45	\$ 7,520
5.2 Roadway Plan and Profile Sheets (17 sheets) (40 scale) (500' each sheet) (Including all roadway features, alignment, profile, PC's, PT's, driveways, storm sewer, inlets, pipes, manholes, etc.)	2	16	40	40	60	16	80		254	\$ 43,820
5.3 Prepare Horizontal Alignment Data sheets (1 sheet)		1	3	4			4		12	\$ 2,195
5.4 Design Storm Sewer System (inlet locations, pipe sizes, HouStorm runs, Hydraulic Computations)		8	60	80			160		308	\$ 52,420
5.5 Storm Sewer Lateral Sheets (6 sheets)		3	15	20			80		118	\$ 19,395
5.6 Driveway Details and Tabulation sheet (1 sheet)		1	2	4			16		23	\$ 3,800
5.7 Roadway and Drainage Standard Drawings (6 sheets)		1	2	4			8		15	\$ 2,600
Subtotal Hours	2	31	128	164	60	16	374	0	775	\$ 131,750
Subtotal Fee	\$ 700	\$ 8,990	\$ 24,960	\$ 29,520	\$ 9,000	\$ 2,480	\$ 56,100	\$ -		\$ 131,750
6. SIGNING AND PAVEMENT MARKING PLANS										
6.1 Signing and Pavement Marking Plans (9 sheets, double banked)(scale 1:100)		8	24	40	50		60		182	\$ 30,700
6.2 Sign Mounting Details (6 sheet)		2	6				24		32	\$ 5,350
6.3 Pavement Marking Details (2 sheets)		1	2				8		11	\$ 1,880
Subtotal Hours	0	11	32	40	50	0	92	0	225	\$ 37,930
Subtotal Fee	\$ -	\$ 3,190	\$ 6,240	\$ 7,200	\$ 7,500	\$ -	\$ 13,800	\$ -		\$ 37,930



PHASE II: FINAL DESIGN PHASE LEVEL OF EFFORT (LOE) FEE ESTIMATE
RICEFIELD ROAD - SEGMENT 2 PROJECT
FORT BEND COUNTY

DURATION SCHEDULE FOR BASIC SERVICES = 180 DAYS									LUMP SUM SERVICE	
	Principal / Managing Director	Senior Project Manager	Senior Engineer	Project Engineer	Staff Engineer	Senior CADD Technician	CADD Technician	Admin / Clerical	Total Hours	Total Cost
	\$ 350	\$ 290	\$ 195	\$ 180	\$ 150	\$ 155	\$ 150	\$ 130		
7. TRAFFIC CONTROL PLAN										
7.1 Sequence of Construction Sheet (1 sheet)		1	1	4			4		10	\$ 1,805
7.2 Advance Warning Sign Layout (1 sheet)		1	2	6			8		17	\$ 2,960
7.3 TCP Overall Phasing Layout and narrative (1 sheet)		1	2	4			4		11	\$ 2,000
7.4 TCP Phasing Typical Sections(1 sheets)		1	2	6			8		17	\$ 2,960
7.5 Phase 1 Sheets (9 sheets) (double banked)		2	16	24	60		80		182	\$ 29,020
7.6 Phase 2 Sheets (9 sheets) (double banked)		2	16	24	60		80		182	\$ 29,020
7.7 Detour Plan Sheet (1 sheet)		1	2	4			8		15	\$ 2,600
7.8 TCP Standard Details (10 sheets)		1	4	4			12		21	\$ 3,590
Subtotal Hours	0	10	45	76	120	0	204	0	455	\$ 73,955
Subtotal Fee	\$ -	\$ 2,900	\$ 8,775	\$ 13,680	\$ 18,000	\$ -	\$ 30,600	\$ -		\$ 73,955
8. STORM WATER POLLUTION PREVENTION PLAN (SW3P)										
8.1 Develop SW3P Plan Sheets Double Banked (9 Sheets 1000' each) (scale 1:40)		4	16	25	45		65		155	\$ 25,280
8.2 Develop Detention Plan Sheet				2	2		4		8	\$ 1,260
8.2 SW3P Standard Details (5 sheets)				1			5		6	\$ 930
Subtotal Hours	0	4	16	28	47	0	74	0	169	\$ 27,470
Subtotal Fee	\$ -	\$ 1,160	\$ 3,120	\$ 5,040	\$ 7,050	\$ -	\$ 11,100	\$ -		\$ 27,470
9. ROADWAY CROSS SECTIONS										
9.1 Roadway Cross Sections (every 100')(36 sheets)		16	60	80			100		256	\$ 45,740
9.2 Earthwork quantities(cut and fill)		2	24	30			60		116	\$ 19,660
Subtotal Hours	0	18	84	110	0	0	160	0	372	\$ 65,400
Subtotal Fee	\$ -	\$ 5,220	\$ 16,380	\$ 19,800	\$ -	\$ -	\$ 24,000	\$ -		\$ 65,400
10. Reproduction Services and other reimbursable expenses (Direct Cost)										
	UNITS	COST/UNIT	QUANTITY							
Mileage (# of miles) (current state rate)	MI	Current Approved IRS Rate	1000							\$ 625
CIVCAST	EA	\$110.00	1							\$ 110
Photocopies B/W (8.5 X 11) (Bid Books: 5 sets x 300 sheets)	EA	\$0.12	1500							\$ 180
Blackline Prints (11" X 17") (Plan Sets: 6 sets x 300 sheets)	EA	\$1.10	1800							\$ 1,980
Site visits, plans reproduction, Mileage										\$ 2,895
TOTAL BASIC SERVICES FEE										\$558,060.00



PHASE III: BID AND CONSTRUCTION PHASE LEVEL OF EFFORT (LOE)

RICEFIELD ROAD PROJECT

FORT BEND COUNTY

(TIME AND MATERIAL SERVICES)

TASK No.	TASK DESCRIPTION	BASIS OF MANHOUR ESTIMATE		TOTAL MANHOURS PER WORK TASK BY STAFF CLASSIFICATION					TOTAL MH'S PER WORK	TOTAL COSTS WITH 3.0 MULT. PER WORK TASK
		QNTY	UNIT	Principal	Senior Project Manager	Senior Engineer	CADD Technician	ADMIN		
			36150						TASK	
				\$350.00	\$290.00	\$195.00	\$150.00	\$130.00		
			36150							
1	PRE-BID PHASE									
	1.1 ATTEND PRE-BID MEETING	1	MH		4.00	4.00			8.00	\$ 5,820.00
	1.5 ANSWER BIDDER QUESTIONS	1	MH			8.00			8.00	\$ 4,680.00
	1.6 ASSIST WITH CHANGE ORDERS/ADDENDUMS AS NEEDED BY FIELD CONDITIONS	1	MH		8.00	24.00	24.00		56.00	\$ 31,800.00
									TOTAL	\$ 42,300.00
2	PRE-CONSTRUCTION									
	2.1 ATTEND PRE-CONSTRUCTION CONFERENCE	1	MH		4.00	4.00			8.00	\$ 5,820.00
	2.2 PRPARE HARD COPIES OF PLANS SETS AND PROJECT MANUALS FOR PRE-CON MEETING	1	MH		0.00	4.00			4.00	\$ 2,340.00
									TOTAL	\$ 8,160.00
3	ASSIST CONSTRUCTION MANAGER WITH REQUESTS FOR INFORMATION (RFI's)									
	3.1 REVIEW & RESPOND TO RFIs OR CLARIFICATIONS	1	MH		6.00	16.00			22.00	\$ 14,580.00
	3.2 REVIEW & RESPOND TO SHOP DRAWING SUBMITTALS	1	MH		6.00	16.00			22.00	\$ 14,580.00
									TOTAL	\$ 29,160.00
4	ASSIST CONSTRUCTION MANAGER WITH PROJECT CLOSE-OUT									
	4.1 SUBSTANTIAL COMPLETION WALK THROUGH	1	MH		8.00	8.00			16.00	\$ 11,640.00
			117848						TOTAL	\$ 11,640.00
5	ASSIST CONSTRUCTION MANAGER WITH RECORD DRAWINGS									
	5.1 PREPARE RECORD DRAWINGS & RETURN SUBMIT ELECTRONICALLY	1	MH			8.00	20.00		28.00	\$ 13,680.00
									TOTAL	\$ 13,680.00
	TOTAL			0	36	92	44	0	172	\$ 104,940.00



PHASE II: FINAL DESIGN PHASE LEVEL OF EFFORT (LOE) FEE ESTIMATE - OPTIONAL ADDITIONAL SERVICES
RICEFIELD ROAD - SEGMENT 2 PROJECT
FORT BEND COUNTY

									LUMP SUM SERVICE
Principal / Managing Director	Senior Project Manager	Senior Engineer	Project Engineer	Staff Engineer	Senior CADD Technician	CADD Technician	Admin / Clerical	Total Hours	Total Cost
\$ 350	\$ 290	\$ 195	\$ 180	\$ 150	\$ 155	\$ 150	\$ 130		
OPTIONAL ADDITIONAL SERVICES									
1. INTERSECTION DEVELOPMENT AT BERDETT ROAD									
1.1 Additional coordination, Review and Approvals With GEC (invoicing, emails, etc)	2						40	42	\$ 5,780
1.2 Additional Intersection Drainage System Maps (2 sheets)	1	6	8	6		16		37	\$ 6,200
1.3 Update Project Layout with Intersection Pavement Limits & Boring Location Plan sheets	1	2	4			4		11	\$ 2,000
1.4 Additional Intersection Roadway Plan and Profile Sheets (3 sheets) (500' each sheet) (Including all roadway features, alignment, profile, PC's, PT's, driveways, storm sewer, inlets, pipes, manholes, etc.)	1	4	10	10	16	4	20	65	\$ 11,280
1.5 Additional Design of Intersection Storm Sewer System (inlet locations, pipe sizes, HouStorm runs, Hydraulic Computations)	2	4	10			16		32	\$ 5,560
1.6 Additional Intersection Signing and Pavement Marking Plans (3 sheets, double banked)	2	8	10	12		16		48	\$ 8,140
1.7 Update Phase 1 Sheets with Intersection TCP (3 sheets) (double banked)	2	6	10	10		20		48	\$ 8,050
1.8 Update Phase 2 Sheets with Intersection TCP (3 sheets) (double banked)	2	6	10	10		20		48	\$ 8,050
1.9 Develop Intersection SW3P Plan Sheets Double Banked (3 Sheets 1000' each)	8	6	10	10		20		54	\$ 9,790
1.10 Additional Intersection Roadway Cross Sections (every 100')(4 sheets)	4	6	10			20		40	\$ 7,130
Subtotal Hours	1	28	54	82	64	4	152	40	\$ 71,980
Subtotal Fee	\$ 350	\$ 8,120	\$ 10,530	\$ 14,760	\$ 9,600	\$ 620	\$ 22,800	\$ 5,200	\$ 71,980
2. SANITARY SEWER LINE ADJUSTMENT									
2.1 Coordination for P&P sheets to incorporate W/WW relocation (17 sheet)	4.25		68			68		140.25	\$ 23,673
2.2 Sanitary Sewer Details (2 sheets)	2		6			8		16	\$ 2,860
2.3 OPCC Updates	2		8					10	\$ 2,020
2.4 TCEQ Coordination	2		6					8	\$ 1,660
2.5 Specs Coordination	2		8					10	\$ 2,020
Subtotal Hours	0	12.25	0	96	0	0	76	0	\$ 32,233
Subtotal Fee	\$ -	\$ 3,553	\$ -	\$ 17,280	\$ -	\$ -	\$ 11,400	\$ -	\$ 32,233
3. WATER LINE ADJUSTMENT									
3.1 Coordination for P&P sheets to incorporate W/WW relocation (17 sheet)	4.25		68			68		140.25	\$ 23,673
3.2 Sanitary Sewer Details (1 sheet)	0.5		4			8		12.5	\$ 2,065
3.3 OPCC Updates	2		8					10	\$ 2,020
3.4 TCEQ Coordination	2		4					6	\$ 1,300
3.5 Specs Coordination	2		4					6	\$ 1,300
Subtotal Hours	0	10.75	0	88	0	0	76	0	\$ 30,358
Subtotal Fee	\$ -	\$ 3,118	\$ -	\$ 15,840	\$ -	\$ -	\$ 11,400	\$ -	\$ 30,358
TOTAL OPTIONAL ADDITIONAL SERVICES									\$134,570.00



ADDITIONAL SERVICES LEVEL OF EFFORT (LOE) FEE ESTIMATE
RICEFIELD ROAD PROJECT
FORT BEND COUNTY

LUMP SUM
SERVICE

DURATION FOR PRELIMINARY DESIGN PHASE BASIC SERVICES = XX DAYS

1. Subconsultant: Topographic Survey and ROW Mapping (Weisser Surveying)

For breakdown of Interfield Group, see Attached Proposal Breakdown

Survey Control

\$ 22,760

Existing ROW Mapping

\$ 36,150

Topographic Surveying

\$ 57,805

Soil Boring Locations

\$ 2,530

Total Survey Cost

\$ 119,245

Survey Optional Additional Services

Project Control for Construction

\$ 7,660

Parcel Surveys

\$ 61,750

Interim ROW Staking

\$ 10,575

Total Survey Optional Additional Services Cost

\$ 79,985

2. Subconsultant: Subsurface Utility Engineering (SUE) (Jaymark Engineering)

For breakdown of Jaymark Fee, see Attached Proposal Breakdown

SUE Services

\$ 53,905

Total Cost for SUE Services

\$ 53,905

3. Subconsultant: Geotechnical Investigation (Associated Testing Laboratories)

For breakdown of ATL Fee, see Attached Proposal Breakdown

Geotech Services

\$ 117,848

Detention Pond Services

\$ 61,283

Total Cost for Goetech Services

\$ 179,131

TOTAL ADDITIONAL SERVICES

\$ 352,281

TOTAL OPTIONAL ADDITIONAL SERVICES

\$ 79,985

PROPOSAL AGREEMENT FOR PROFESSIONAL SERVICES

Effective Date: September 10, 2024

Jesus Olivas
HR Green
11011 Richmond Avenue, Suite 200
Houston, TX 77042
713-338-8004
jolivas@hrgreen.com

Proposal for Professional Services in Connection With: Ricefield Road, Segment 2 (as shown on the attached aerial images), Fort Bend County, Texas

Weisser Engineering & Surveying is pleased to submit this proposal and terms of service (together, the "Agreement") to HR Green (the "Client").

I. BASE SCOPE OF SERVICES

Surveying and Mapping

The Surveyor shall evaluate the existing ROW envelope and make recommendations for the acquisition of ROW necessary for the Project including but not limited to roadway, corner cuts, sight distance triangles, detention, and outfalls, if necessary. The Surveyor shall establish a project baseline based on the centerline of the right-of-way, or the existing baseline if available. The Surveyor shall create an existing utility list (Excel Format) including owner and contact information for available existing utilities within the project limits to be supplied to the Engineering Consultant to complete the identification of potential utility conflicts. The Surveyor shall sign and seal all survey documents.

The specific survey limits are as follows and shown on the attached Aerial Images:

The linear topographic and right-of-way survey will begin at the intersection of Benton Road and proceed southeast along Ricefield Road to Berdett Road, for an approximate total of **8,100 linear feet**. (As Shown in Red on the Attached Aerial Images)

1. Survey Control

- a. Horizontal and Vertical Survey Control for each site shall be referenced to the nearest Fort Bend County Survey Control Monument, or NGS if no County Monuments are established.
- b. Survey Control Points will be established at 1,000-foot maximum intervals and tied to the Calculated Alignment for each site.
- c. Deliverable will be Signed and Sealed Survey Control Maps per Fort Bend County standards with Detail Sketches in PDF format and CAD Files.

COST: \$22,760.00

2-Person Survey Crew	40 hrs @ \$145/hr	\$5,800.00
Survey Technician	66 hrs @ \$110/hr	\$7,260.00

CADD Technician	66 hrs @ \$95/hr	\$6,270.00
Clerical	2 hrs @ \$65/hr	\$ 130.00
Field Coordinator	4 hrs @ \$105/hr	\$ 420.00
RPLS	18 hrs @ \$160/hr	\$2,880.00

2. Existing Right of Way Mapping (Cat. 1B, Cond. 3)

- Perform abstract survey; obtain deeds of record, and plats for the right-of-way, streets intersecting and tracts of land adjoining the project limits.
- Establish the existing right-of-way and boundary lines adjoining the project limits.
- Deliverable will be Signed and Sealed existing Right-of-Way Map Sheets in PDF format per Fort Bend County standards and CAD Files.
- Prepare, deliver and coordinate Right-of-Entry for the Project.

COST: \$36,150.00

2-Person Survey Crew	60 hrs @ \$145/hr	\$ 8,700.00
Survey Technician	122 hrs @ \$110/hr	\$13,420.00
CADD Technician	65 hrs @ \$95/hr	\$ 6,175.00
Clerical	25 hrs @ \$65/hr	\$ 1,625.00
Field Coordinator	6 hrs @ \$105/hr	\$ 630.00
RPLS	35 hrs @ \$160/hr	\$ 5,600.00

3. Topographic Surveying (Cat. 6, Cond. 1)

The Surveyor will provide the following within the surveying limits described above:

- For the roadway and ditches, obtain cross-sections at 100-foot intervals with grade breaks. Cross-sections shall extend from right-of-way to right-of-way on existing roads, including elevations at estimated right-of-way lines. Topographic Survey will begin at the south line of the development north of the Proposed Roadway and extend south a minimum of 125 feet and will include the following: Identify locations and elevations of physical features to include edges or curbs and gutters of pavement, parking lanes, center of the median, fences, walls, tree-lines, trees (type, size, and drip line), sidewalks, driveways and driveway curbs, power poles, light poles, water meters, water wells, ponds, sprinklers, off-site drain pipe, elevations at ditch banks, toe, flow line, and side slope, etc. Horizontally and vertically locate available existing utilities within, crossing, and adjoining project limits. Utilities will be located and tied based on visual evidence and marked by "One Call" within the project limits. The rim (top) and flow line elevations will be obtained on inlets, manholes (sanitary and storm), and drainage structures, including culverts, SETs, etc. The rise, width, flowlines, etc. of the drainage elements will be obtained where accessible.
- The Surveyor will coordinate with SUE consultant (if applicable), pipeline companies, municipal utility districts (MUDs), homeowner's associations (HOA's), the County, and private utility agencies to obtain locations of

available existing utilities and depths of existing pipelines. These will be shown with the rest of the survey.

- c. Topographic Limits will also include 100 feet upstream and downstream along channels at bridge crossings.
- d. Prepare existing Signed and Sealed Topographic Survey Map of the Project to be delivered in PDF per Fort Bend County standards and CAD Files.

COST: \$57,805.00.00

2-Person Survey Crew	180 hrs @ \$145/hr	\$26,100.00
Survey Technician	40 hrs @ \$110/hr	\$ 4,400.00
CADD Technician	155 hrs @ \$95/hr	\$14,725.00
Clerical	2 hrs @ \$65/hr	\$ 130.00
Field Coordinator	18 hrs @ \$105/hr	\$ 1,890.00
RPLS	66 hrs @ \$160/hr	\$10,560.00

4. Soil Boring Locations

- a. Field Locate Soil Borings performed by others.
- b. Soil Borings will be added into existing CAD files.

COST: \$2,530.00

(assumes one trip to locate all Soil Borings)

TOTAL COST FOR BASE SERVICES: \$119,245.00

II. OPTIONAL ADDITIONAL SERVICES

1. Project Control for Construction

- a. Recover or re-establish project control referenced to the project baseline for construction.
- b. Recover or re-establish project baseline at the beginning, end, street intersections, angle points, beginning of curves, end of curves and at 1,000-foot intervals in between.

COST: \$7,660.00

2. Parcel Surveys

- a. Prepare metes and bounds descriptions and parcel plats in accordance with Fort Bend County guidelines for property acquisition and add parcels to the existing right-of-way maps.

COST: \$2,470.00 per parcel (estimated 25 parcels)

Total Cost for Parcel Surveys: \$61,750.00

3. Interim Right-Of-Way Staking

- a. Staking of the Proposed Right-of-way at 100-200-foot intervals with wooden stakes. Estimate 2,000 linear feet of staking per day.

COST: \$2,115.00 per day
(estimated 5 days to complete)

Total Cost for Interim ROW Staking: \$10,575.00

We appreciate the opportunity to provide this proposal. If you have any questions or comments, please do not hesitate to contact John Harvill, RPLS (jharvill@weissereng.com).

The Client, by signing below, represents that he or she has the authority to enter into this Agreement, agrees to the terms and conditions in this Agreement, is willing to be the Responsible Party, promises to pay the invoiced amount within thirty (30) days of invoicing, and authorizes Weisser Engineering & Surveying to proceed with the Services as described above.

CLIENT

HR Green

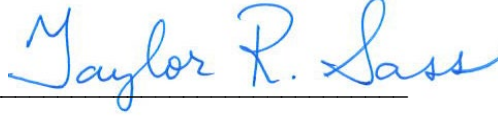
By: 

Printed Name: Andrew Mrowicki, PE

Title: Infrastructure Group Executive

Date of Acceptance: 2/4/2025

WEISSER ENGINEERING & SURVEYING

By: 

Printed Name: Taylor R. Sass

Title: President & CEO

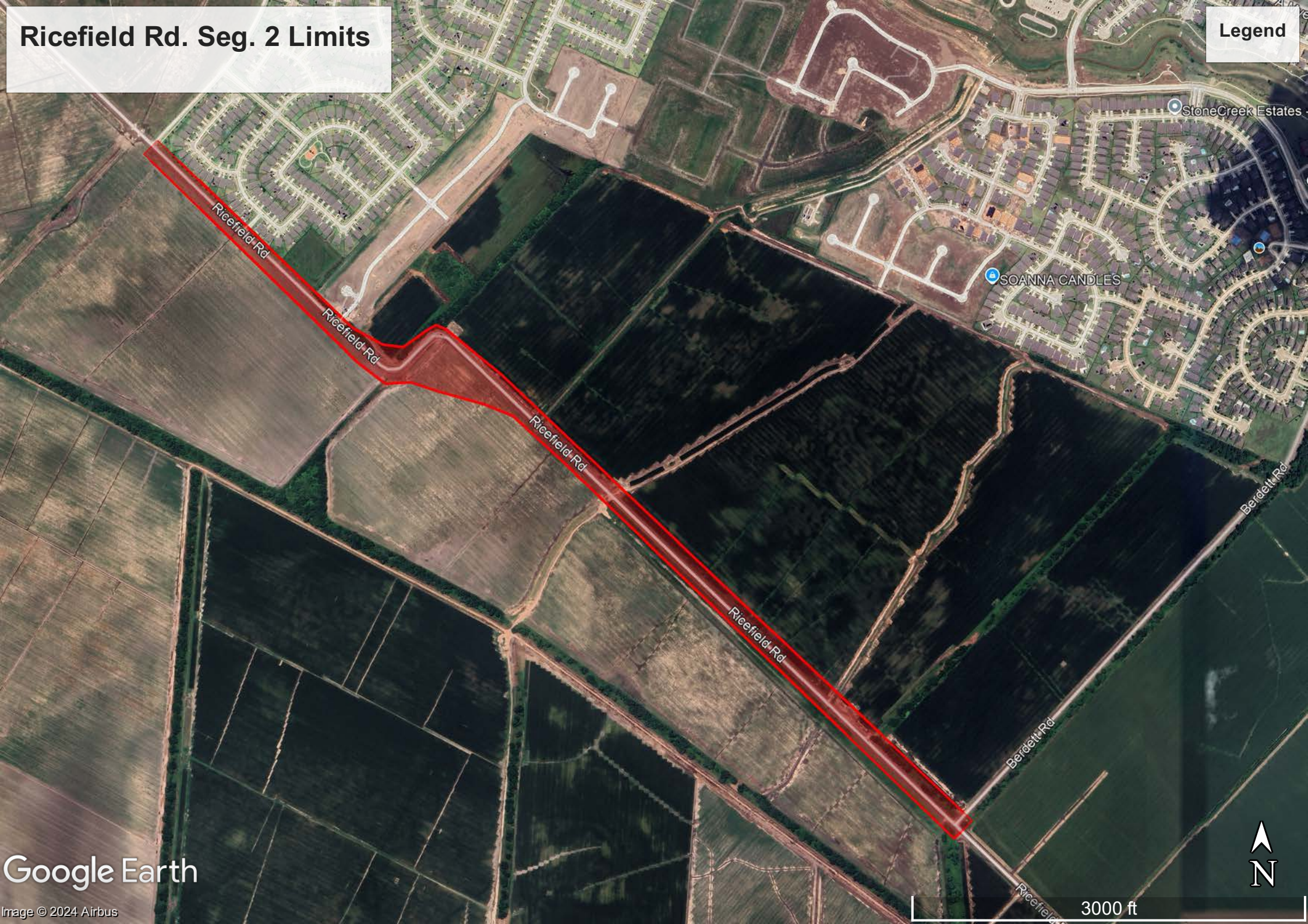
Date of Acceptance: 09/10/2024

Please provide an email address for Accounts Payable contact for invoicing purposes:

payables@hrgreen.com

Ricefield Rd. Seg. 2 Limits

Legend



Ricefield Road Project WES Project Schedule

Task Name	Duration	Start	Finish	Oct-24				Nov-24				Dec-24					Jan-24			
				7	14	21	28	4	11	18	25	2	9	16	23	30	6	13	20	27
1. SURVEY - Control																				
Survey Field Crew (Based on one field crew. Additional crews are available.)	4 days	10/7/2024	10/10/2024																	
Survey Tech (not full 8 hour days)	9 days	10/9/2024	10/21/2024																	
CADD Operator	9 days	10/11/2024	10/23/2024																	
RPLS/Project Manager	3 days	10/7/2024	10/25/2024																	
Clerical	1 day	10/4/2024	10/25/2024																	
2. SURVEY - Topographic																				
Survey Field Crew (Based on one field crew. Additional crews are available.)	18 days	10/14/2024	11/12/2024																	
Survey Tech (not full 8 hour days)	5 days	10/21/2024	11/13/2024																	
CADD Operator	20 days	10/24/2024	11/20/2024																	
RPLS/Project Manager	3 days	10/14/2024	11/22/2024																	
Clerical	1 day	10/11/2024	11/22/2024																	
3. SURVEY - Right-of-Way Mapping																				
Survey Field Crew (Based on one field crew. Additional crews are available.)	6 days	11/13/2024	11/21/2024																	
Survey Tech (not full 8 hour days)	16 days	11/15/2024	12/10/2024																	
CADD Operator	9 days	11/20/2024	12/13/2024																	
RPLS/Project Manager	3 days	11/13/2024	12/17/2024																	
Clerical	3 days	11/12/2024	12/17/2024																	
4. SURVEY - Parcels (estimated 25 parcels)																				
Survey Field Crew (Based on one field crew. Additional crews are available.)	1 parcel per day	To Be Staked after Approval. Estimate 25 Days for Completion		To Be Determined																
Survey Tech, CADD Operator, RPLS (not full 8 hour days)	1 parcel per day																			

*Based on 40 hour week. Days are business days.

*Not including potential rain days or holidays.

*Based on 1 field crew unless otherwise noted.

*Start date shown on this schedule is based upon Client request. Actual start date and schedule will adjust according to receipt of the Purchase Order.

Agreement

September 6, 2024

HR Green
11011 Richmond Avenue, Suite 200
Houston, TX 77042
Attention: Jesus M. Olivas, P.E., ENV SP, Senior Project Manager

The purpose of this agreement is to engage the services of Jaymark Engineering Corporation to provide subsurface utility engineering services for the Ricefield Road Segment 2 project.

Scope of Services:

All SUE work will be completed in accordance to FBC Standards.

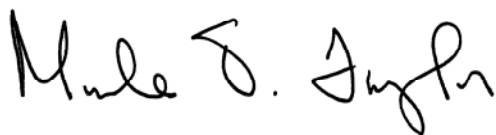
Level of surface utility engineering service provided: Level A (QL-A)

- 1) Utility coordination
- 2) Test holes for Exxon pipelines
- 3) Utility mapping
- 4) Identify conflicts
- 5) Provide up to date plans at the 70%, 95% and Pre-100% submittals.
- 6) Attend meetings.

Fees:

Civil Engineering design fee: \$53,905.00

If this agreement is satisfactory, please sign below:



Mark D. Taylor, P.E., President
Jaymark Engineering Corporation

Client Representative

DESIGN FEE WORKSHEET

JEC Project Number: 24-9200

Project Name: Ricefield Road Segment 2

Date: 9/6/2024

[illegible]

Additional Services

Underground Utility Locating (Test Holes)		\$	5,000.00
Site Evaluation for OSSF		\$	-
Onsite Sewage Facility Subdivision Planning Report	-	-	\$ -
Onsite Sewage Facility Design		-	\$ -
Construction Administration		-	\$ -
TDLR Plan Review Fees		\$	-
Plan Review Fees		\$	-
Reproduction Cost		\$	-

Grand Total Proposal Cost

\$ 53,905.00

September 5, 2024
Proposal No: GP24-0902

Jesus M. Olivas, PE, ENV SP
Senior Project Manager – Transportation | Associate
HR Green®
11011 Richmond Avenue, Suite 200
Houston, TX 77042

Reference: Proposal for Geotechnical Investigation
Fort Bend County Precinct 2-Ricefield Road Segment 2
From Benton Road to Berdett Road
Fort Bend County, Texas

Mr. Olivas,

Associated Testing Laboratories, Inc. (ATL) is pleased to submit a proposal for the above-referenced project. The geotechnical field investigation, testing, and soil data report should comply with the requirements of Fort Bend County Engineering Guidelines.

INTRODUCTION

We understand that HR Green was awarded the Ricefield Rd - Segment 2 Project, a contract with Fort Bend County to provide design engineering services for the Ricefield Segment 2 Paving.

SCOPE OF WORK:

Based on the available project information, the Ricefield Road Segment 2 alignment comprises a total length of approximately 8,100 linear feet (LF) between Benton Rd and Berdett Rd. for the proposed 4-lane divided highway concrete pavement with the sidewalk on one side, and storm sewer. Based on the information provided, ATL proposes eighteen (18) soil borings 20 ft deep to be drilled along Ricefield Road between Benton Road and Berdett Road.

The objective of this geotechnical investigation is to perform soil borings along the project area, gather and analyze the field and laboratory geotechnical information and data, and prepare a written report presenting the subsurface conditions found along the project alignments with geotechnical recommendations for the design and construction of the proposed paving.

GEOTECHNICAL INVESTIGATION

Field Exploration

Prior to actual soil drilling, ATL will mark proposed borings and conduct Texas 811 utility call.

All the proposed borings are located along existing street pavement areas. Mechanical truck coring machines will perform coring in boring locations before soil drilling and sampling are performed. The borings will be drilled using a truck-mounted rig.

The project alignment is currently located on a 2-lane-traffic road. Thus, traffic control measures including signs, cones, and flagmen will be required during pavement coring and actual soil drilling and sampling.

Based on the available project information, ATL proposes the following borings to investigate the subsurface soils and groundwater conditions along project alignment. Approximate boring locations is presented in **Figure 1** and depth is included in Table A below:

Table A

Boring No. Borings & Piezometer	No of Borings	Street / Location	Depth, ft	Total, ft
B-1 thru B-18	18	Ricefield Rd	20	360
		TOTAL, LINEAR FEET		360 LF

Soil samples will be obtained continuously to 20 ft to the termination depths. Standard Penetration Tests (SPT) will be performed in sands if encountered, and clays will be sampled by Shelby tube. Shear strengths of the clays will be measured in the field with a hand penetrometer and correlations between this data and laboratory shear strength data will be made during analysis.

Depth to groundwater will be important for the design and construction of this project. For this reason, the borings will be drilled dry until groundwater is encountered, or caving of soils occurs. Drilling will be suspended for 15 minutes to facilitate water level observation in the boring. After recording the water level, drilling will be resumed. The boreholes will be backfilled with soil cuttings and the pavement surface core will be patched back with lean concrete.

Laboratory Testing

Laboratory tests will be assigned corresponding to the types of soils encountered to classify the soil's physical and index properties, moisture contents, unconfined compressive strength, undrained unconsolidated compressive strength, Atterberg limits, percent finer than No. 200 sieve, sieve analysis, dry density.

All tests will be performed in accordance with the American Society of Testing Materials (ASTM) Procedures. Estimated test types and quantities are presented on the attached sheet.

Engineering Analyses and Reporting

The field and laboratory data will be summarized in an engineering report. Analyses of data will be presented, and recommendations made in accordance with the Fort Bend County Engineering Criteria Guidelines. The following geotechnical information and recommendations will be provided:

- Boring logs and boring log profiles showing the generalized soil

stratigraphy and groundwater levels.

- Site preparation and grading.
- Discussion of subsurface soils, stratigraphy, and groundwater information.
- Select fill requirements & fill placements.
- Suitability for reuse of on-site soil.
- Dewatering consideration and recommendations.
- Pavement recommendations.
- Construction-related issues

COST ESTIMATE

Based on the scope of geotechnical work outlined above, we estimate the following costs:

Geotechnical Investigation for Proposed	Estimated Fee
Proposed Ricefield Rd Segment 2	\$117,848.00

The cost estimates using the project quantities and requirements are presented in the enclosed **Itemized Geotechnical Fee Estimate** spreadsheet. This estimate assumes that: (i) underground utilities at proposed boring locations will be cleared by Texas 811 Call Service and/or private property maintenance personnel; (ii) the boring sites will be accessible to our truck-mounted drill rig equipment; (iii) permission/permit to access the site if needed, will be arranged by others at no cost to ATL.

Proposal for Detention Pond Analysis attached separately

TIME SCHEDULES

We estimate that the fieldwork can be started immediately after authorization is received. The field staking and utility clearance will take approximately two weeks. The field investigation will require 2 to 3 weeks (assuming no complications in site access or site clearing, weather permitting), and the regular laboratory testing will take approximately 3 to 5 weeks. The draft geotechnical report will be submitted approximately 4 to 6 weeks after lab testing is complete.

We appreciate the opportunity to submit this proposal and look forward to serving you on this project.

Thank you,
ASSOCIATED TESTING LABORATORIES, INC.



Anita Singh, P.E.
Principal

Enclosure:

Figure 1 – Proposed Boring Location
Itemized Fee – LOE Estimate

Ricefield Rd Segment 2 - FBC

Proposed Borings Locations

Legend

 18 Borings at 20 feet



FIGURE 1

Google Earth

Image © 2024 Airbus

Geotechnical Investigation Proposal

Fort Bend County Ricefield Rd - Segment 2 Pavement
Fort Bend County, Texas

ATL Proposal No. GP2024-0902
September 5, 2024

**ITEMIZED GEOECHANICAL FEE ESTIMATE****Fort Bend County Ricefield Rd - Segment 2 Pavement**

Borings: 18@20' Total [360 LF]

A. FIELD EXPLORATION	Current Qty.	Unit	Unit Rate	Amount
Mobilization/Demobilization (Truck Rig)	1	LS	\$746.00	\$746.00
Technician for Staking, Utilities Clearance, Coordination	24	hrs.	\$96.00	\$2,304.00
Soil Drilling and Sampling (continuous; <up to 20')	360	ft.	\$27.00	\$9,720.00
Logging (NICET II)	64	hr.	\$96.00	\$6,144.00
Grouting Holes	360	ft.	\$13.00	\$4,680.00
Cost for Cleaning and disposing soil cuttings	18	boring	\$100.00	\$1,800.00
Coring (6-inches)	18	ea.	\$192.00	\$3,456.00
Coring (6-inches to 12-inches thickness)	108	inches	\$18.00	\$1,944.00
Piezometer Installation	0	ft.	\$26.00	\$0.00
Piezometer Abandonment	0	ft.	\$21.00	\$0.00
24-Hr, 7-Day & 1 month PZ Water Level Readings	0	hrs.	\$96.00	\$0.00
Vehicle Charge	100	hrs.	\$13.00	\$1,300.00
Site Clearing with a dozer	0	days	\$3,600.00	\$0.00
SUBTOTAL				\$32,094.00

B. GEOTECHNICAL LABORATORY TESTING		Unit	Unit Rate	Amount
Moisture Content (ASTM D-2216)	180	ea.	\$12.00	\$2,160.00
Atterberg Limits (ASTM D-4318)	72	ea.	\$76.00	\$5,472.00
Passing No. 200 Sieve (ASTM D-1140)	72	ea.	\$59.00	\$4,248.00
Unconfined Compression (ASTM D-2166)	30	ea.	\$54.00	\$1,620.00
Unconsolidated-Undrained Triaxial Test (ASTM D-2850)	42	ea.	\$77.00	\$3,234.00
SUBTOTAL				\$16,734.00

D. TRAFFIC CONTROL				
Flagmen	128	hrs.	\$40.00	\$5,120.00
Peace Officer	64	hrs.	\$75.00	\$4,800.00
SUBTOTAL				\$9,920.00

D. ANALYSES & REPORT PREPARATION		Unit	Unit Rate	Amount
Senior Engineer (P.E.)	100	hrs.	\$218.00	\$21,800.00
Project Manager (P.E.)	100	hrs.	\$176.00	\$17,600.00
Graduate Engineer	100	hrs.	\$122.00	\$12,200.00
Draftsman/word Processor	100	hrs.	\$75.00	\$7,500.00
SUBTOTAL				\$59,100.00

TOTAL ESTIMATED FEE OF PROPOSED SCOPE				\$117,848.00
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October 9, 2024

Proposal No: GP24-0902_Detention Pond

Jesus M. Olivas, PE, ENV SP
Senior Project Manager
HR Green
11011 Richmond Avenue, Suite 200
Houston, Texas 77042

Reference: Proposal for Geotechnical Investigation
Detention Pond & Outfall Structure
Ricefield Road Segment 2 – Benton Road to Berdette Road
Fort Bend County, Texas

Mr. Olivas,

Associated Testing Laboratories, Inc. (ATL) is pleased to submit a proposal for the above-referenced project. The geotechnical field investigation, testing, and soil data report should comply with the requirements of Fort Bend County Engineering Guidelines.

INTRODUCTION

We understand that **HR Green** is currently under contract with Fort Bend County Precinct 2 to provide design engineering services for the proposed detention pond & outfall for the Ricefield Road Segment 2 Project from Benton Road to Berdette Road.

SCOPE OF WORK:

Based on the available project information, the location, size, and depth of the one (1) detention pond is to be determined at a later date. Our assumption for this proposal is a 5-acre detention pond with a depth no greater than 10 ft. **ATL** proposes six (6) soil borings at 25 feet deep to be drilled at the proposed detention pond, and one (1) soil boring at 25 feet deep to be drilled at the proposed outfall. We will convert borings B-1 and B-7 into 25 ft piezometers (PZ-1) and (PZ-2) respectively after drilling and sampling to monitor 24-hour, 15-day, and 30-day water level readings.

Once the preliminary design is drafted, **HR Green** will let ATL know the exact dimensions and the proposal can be amended to reflect the actual proposed detention pond size and depth.

The objective of this geotechnical investigation is to perform soil borings along the detention pond project area, gather and analyze the field and laboratory geotechnical information and data, and prepare a written report presenting the subsurface conditions found with geotechnical recommendations for the design and construction of the proposed detention pond.

GEOTECHNICAL INVESTIGATION

Field Exploration

All the proposed boring locations are not known at the time of this proposal. The use of a dozer-clearing machine may be needed on detention pond areas before actual soil drilling and sampling. Borings will be drilled using an ATV (all-terrain mounted) drill rig.

Based on the available project information, ATL proposes the following borings to investigate the subsurface soils and groundwater conditions. The site location plan is presented as shown in Table A below:

Boring No. & Piezometer No.	No of Borings	Location	Depth, ft	Total, ft
Borings B-1 thru B-6	6	Detention Pond	25	150
Boring B-7	1	Outfall Area	25	25
Piezometer PZ-1	1	Detention Pond	*25	*25
Piezometer PZ-2	1	Outfall Area	*25	*25
TOTAL DRILLING, Linear Feet (LF)				175 LF

**Piezometer PZ-1 at Pond A will be installed to a depth of 25 ft. after sampling and drilling*

**Piezometer PZ-2 at Outfall will be installed to a depth of 25 ft. after sampling and drilling.*

Soil samples will be obtained continuously to the termination depth of 25 ft. Standard Penetration Tests (SPT) will be performed in sands if encountered, and clays will be sampled by Shelby tube. Shear strengths of the clays will be measured in the field with a hand penetrometer and correlations between this data and laboratory shear strength data will be made during analysis.

Depth to groundwater will be important for the design and construction of this project. For this reason, the borings will be drilled dry until groundwater is encountered, or caving of soils occurs. Drilling will be suspended for 15 minutes to facilitate water level observation in the boring. After recording the water level, drilling will be resumed. The boreholes will be backfilled with soil cuttings after drilling.

Laboratory Testing

Laboratory tests will be assigned corresponding to the types of soils encountered to classify the soil's physical and index properties, moisture contents, unconfined compressive strength, undrained unconsolidated compressive strength, Atterberg limits, percent finer than No. 200 sieve, sieve analysis, dry density, crumb test double hydrometer test, specific gravity test, particle size analysis, and consolidated undrained triaxial test.

All tests will be performed in accordance with the American Society of Testing Materials (ASTM) Procedures. Estimated test types and quantities are presented on the attached sheet.

Engineering Analyses and Reporting

The field and laboratory data will be summarized in an engineering report. Analyses of data will be presented, and recommendations made in accordance with the Fort Bend County Engineering Criteria Guidelines. The following geotechnical information and recommendations will be provided:

- Boring logs and boring log profiles showing the generalized soil stratigraphy and groundwater levels.
- Discussion of subsurface soils and stratigraphy and groundwater information.
- Suitability of onsite soils for use as fill.
- Discussion of open cut/trench excavation safety and OSHA safety requirements
- Slope stability analyses for the proposed detention basin
Using Factor of Safety (FOS): as follows
 - Short Term – 1.3
 - Rapid Drawdown – 1.25
 - Long-Term – 1.5
- Clay Liner Recommendations
- Erosion Control
- Dewatering consideration and recommendations.
- Piezometer installation and groundwater measurements.
- Soil dispersion tests (Crumb and Double Hydrometer - D₉₅ & D₅₀ values) for the Detention Ponds).

COST ESTIMATE

Based on the scope of geotechnical work outlined above, we estimate the following costs:

Geotechnical Investigation for Proposed	Estimated Fee
Ricefield Road Segment 2 – Benton Road to Berdette Road - Detention Pond & Outfall Structure	\$61,283.00
Site Clearing per day, if required	\$3,600.00

The cost estimates using the project quantities and requirements are presented in the enclosed **Itemized Geotechnical Fee Estimate** spreadsheet. This estimate assumes that: (i) underground utilities at proposed boring locations will be cleared by Texas 811 Call Service and, or private property maintenance personnel; (ii) the sites will be accessible to our ATV (all-terrain vehicle) mounted drill rig equipment; (iii) permission/permit to access the site if needed, will be arranged by others at no cost to ATL.

TIME SCHEDULES

We estimate that the fieldwork can be started immediately after authorization is received. The field staking and utility clearance will take about two weeks. The field investigation will take about 3 to 5 weeks (assuming no complications in site access, site clearing, and weather permitting), and the regular laboratory testing will take about 6 to 8 weeks. The draft geotechnical report will be submitted approximately 4 to 6 weeks after testing is complete.

We appreciate the opportunity to submit this proposal and look forward to serving you on this project.

Thank you,
ASSOCIATED TESTING LABORATORIES, INC.



Anita Singh, P.E.
Principal

Geotechnical Investigation Proposal

Ricefield Road Segement 2 - Benton Road to Berdette Road - Detention Pond

Fort Bend County, Texas

ATL Proposal No. GP2024-0902_Detention Pond

October 9, 2024

**ITEMIZED GEOECHANICAL FEE ESTIMATE****Ricefield Road Segement 2 - Benton Road to Berdette Road - Detention Pond**

Borings: 7@25' [TOTAL: 175 LF], & Piezometers: 2@25', [50 LF]

A. FIELD EXPLORATION	Current Qty.	Unit	Unit Rate	Amount
Mobilization/Demobilization (Truck Rig)	1	LS	\$746.00	\$746.00
Mobilization/Demobilization - ATV Rig Surcharge	1	LS	\$266.00	\$266.00
Technician for Staking, Utilities Clearance, Coordination	24	hrs.	\$96.00	\$2,304.00
Soil Drilling and Sampling (continuous; <up to 20')	140	ft.	\$27.00	\$3,780.00
Soil Drilling and Sampling (20'-50' continuous)	35	ft.	\$32.00	\$1,120.00
ATV Surcharge	175	ft.	\$11.00	\$1,925.00
Logging (NICET II)	24	hr.	\$96.00	\$2,304.00
Cost for Cleaning and disposing soil cuttings	7	boring	\$100.00	\$700.00
Grouting Holes	0	ft.	\$13.00	\$0.00
Piezometer Installation	50	ft.	\$26.00	\$1,300.00
Piezometer Abandonment	50	ft.	\$21.00	\$1,050.00
24-Hr, 7-Day & 1 month PZ Water Level Readings	24	hrs.	\$96.00	\$2,304.00
Vehicle Charge	48	hrs.	\$13.00	\$624.00
	SUBTOTAL			\$18,423.00
B. GEOTECHNICAL LABORATORY TESTING		Unit	Unit Rate	Amount
Moisture Content (ASTM D-2216)	88	ea.	\$12.00	\$1,050.00
Atterberg Limits (ASTM D-4318)	35	ea.	\$76.00	\$2,660.00
Passing No. 200 Sieve (ASTM D-1140)	35	ea.	\$59.00	\$2,065.00
Unconfined Compression (ASTM D-2166)	20	ea.	\$54.00	\$1,080.00
Unconsolidated-Undrained Triaxial Test (ASTM D-2850)	15	ea.	\$77.00	\$1,155.00
Consolidated-Undrained Triaxial Test (ASTM D-4767) *3-stage w/3 samples/set	2	ea.	\$1,800.00	\$3,600.00
Double Hydrometer Tests (ASTM D-4221), with D ₉₀ and D ₅₀	7	ea.	\$266.00	\$1,862.00
Particle Size Analysis (ASTM D-7928)	28	ea.	\$62.00	\$1,736.00
Crumb Tests (ASTM D-6572)	28	ea.	\$46.00	\$1,288.00
Specific Gravity (ASTM D854)	4	ea.	\$71.00	\$284.00
	SUBTOTAL			\$16,780.00
C. ANALYSES & REPORT PREPARATION		Unit	Unit Rate	Amount
Senior Engineer (P.E.)	40	hrs.	\$218.00	\$8,720.00
Project Manager (P.E.)	40	hrs.	\$176.00	\$7,040.00
Graduate Engineer	60	hrs.	\$122.00	\$7,320.00
Draftsman/word Processor	40	hrs.	\$75.00	\$3,000.00
	SUBTOTAL			\$26,080.00
TOTAL ESTIMATED FEE OF PROPOSED SCOPE				\$61,283.00

