

State of Texas

§

County of Galveston

§

§

AGREEMENT FOR ENGINEERING SERVICES

PARTIES

This Agreement for Engineering Services (the “Agreement”) is made and entered into by and between the County of Galveston, a political subdivision of the State of Texas, acting by and through its Galveston County Commissioners Court (the “County”), and **Geoscience Engineering & Testing, Inc.** (the “Engineer”), each of whom is a Party hereto and who are collectively referred to herein as the Parties.

RECITALS

The County conducted a Request for Qualifications, Number RFQ 25-079, entitled “Professional Services for Future Engineering Projects” (the “RFQ”), to procure professional services for the **Avenue B Paving and Drainage Improvements from 10th Street to northeast of Boulevard Street** project within the County (the “Project”), which is further described herein and which such services are within the scope of the practice of engineering.

The Engineer timely submitted a statement of qualifications in the RFQ, is a licensed engineer in the State of Texas, and wishes to perform said services.

Now Therefore, for and in consideration of the covenants and agreements contained herein, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

CONTRACTUAL UNDERTAKINGS

**SECTION I
RETENTION OF ENGINEER**

The County, by and through this Agreement, retains the Engineer to perform professional engineering services in connection with the Project, and the Engineer, by and through this Agreement, agrees to perform said professional engineering services in connection with the Project.

This Agreement means this document (pages 1 through 9), the RFQ, which includes but is not limited to any addenda thereto, if any, the Engineer’s response in the RFQ (i.e., its’ statement of qualifications, certifications, affidavits, and vendor information), and all Exhibits affixed hereto, if any, all of which are incorporated herein for all purposes. Exhibits to be physically affixed, if any, shall be affixed following the signature/execution page of this Agreement. The RFQ, all addenda therein, if any, and Engineer’s response therein shall be retained in the Galveston County Purchasing Agent’s Office.

SECTION II CHARACTER AND EXTENT OF SERVICES

The Engineer shall render professional engineering services necessary for the development of the Project, limited to the following and performed in accordance with existing local, State and Federal regulations, as set out in the Scope of Services attached hereto as Exhibit "A".

The Scope of Services and Response attached hereto as Exhibit "A" is also made a part of this Agreement for all purposes. But, if any terms of Exhibit "A" conflicts with any existing State of Texas, Texas Department of Transportation, local, or Federal laws, rules or regulations, the State, Federal or local laws, rules or regulations shall control.

The character and extent of services outlined above shall be considered complete upon approval by County, acting by and through its County Engineer, of the various drawings, data and tasks outlined in Exhibit "A".

All Services provided by Engineer shall be of good quality and shall be performed in a professional manner. The standard of care for all professional engineering and related Services performed or furnished by Engineer and the Response under this Agreement will be the care and skill ordinarily used by other competent engineers practicing under the same or similar circumstances and professional license. Engineer will re-perform any Services not meeting this standard without additional compensation. Engineer will perform its services as expeditiously as is prudent considering the ordinary professional skill and care of a competent engineer.

Additional services that may be required after approval of these documents by the County, or required by State or Federal regulations published in the State or Federal Register after the date of execution of this Agreement, shall not be considered as covered by the maximum amount payable under this Contract as provided in Section V. Compensation for such extra services shall be as provided in Section V except that the maximum amount payable shall be revised by agreement between County and Engineer.

SECTION III PERIOD OF SERVICES

This Agreement shall be effective upon execution by the County and by the Engineer, with the date of the Party signing last in time, and shall remain in force until satisfactory completion of all services described herein or termination under the provisions hereinafter provided in section VIII.

After execution of Agreement, Engineer shall submit a Project Time Schedule to the County Engineer, which shall be diligently followed during performance of services. It is understood by the County that the Engineer will make every effort to expedite completion of the Project.

SECTION IV COORDINATION WITH THE COUNTY

The Engineer agrees to perform the services diligently after authorization to proceed. The Engineer agrees to perform all other services diligently and within the agreed upon time schedule.

The Engineer shall hold periodic conferences with the County Engineer to the end that the Project, as perfected, shall have full benefit of the County's experience and knowledge of existing needs and facilities and be consistent with the County's current policies and construction standards. To implement this coordination, the County Engineer shall make available to the Engineer for use in the Project, all existing plans, maps, field notes, statistics, computations and other data in its possession relative to the Project. Engineer shall submit a monthly progress report of project status to the County Engineer and the County Engineer is the County's designated point of contact for this Agreement.

SECTION V THE ENGINEERS'S COMPENSATION

As set forth in Exhibit "A" attached hereto, the County shall compensate the Engineer for services performed under this Agreement per the compensation amounts shown in Exhibit "A" for design and construction phase services.

Notwithstanding the foregoing, the maximum amount payable under this Contract is **\$22,442.00** including expenses. The maximum amount payable may be revised in the event of changes in extent, complexity, or character of work requiring such revisions upon the prior mutual, written agreement by the County and the Engineer. No revisions in the maximum amount payable will be permitted unless previously authorized in writing by the County.

Payments to the Engineer for authorized services will be made by the County within 45 calendar days upon presentation of monthly statements by the Engineer to the County reflecting Engineer's performance of such services, unless disputed by the County. Additionally, the County agrees that it shall review the monthly statements and if disputing, shall notify the Engineer of the County's dispute no later than thirty (30) days after the County's receipt of the monthly statement. All remittances shall be mailed or delivered to Engineer's office. Engineer further agrees that all monthly statements shall detail its services under this Agreement and, if this Agreement is funded through Federal dollars, comply with applicable Federal requirements associated with costs.

SECTION VI OWNERSHIP OF DOCUMENTS

Original documents, plans, designs and survey notes ("Documents") belong to and remain the property of the County, in consideration of which it is mutually agreed that the County will use them solely in connection with the Project or as required by law, save with the express consent of the Engineer. The Engineer may retain copies of such Documents.

County contracts are subject to all legal requirements provided by county, state or federal statutes, rules and regulations.

Engineer acknowledges that Galveston County is a governmental entity which conducts its meetings in accordance with the Texas Open Meetings Act and whose certain records are available to the public under the Texas Public Information Act. In accordance with Title 5, Chapters 551 and 552 of the Texas Government Code, this Agreement is an open record under the Public Information Act and as such, will be discussed and voted upon in a public meeting. Any request made to either inspect or acquire a copy of this Agreement or the Documents produced as a result of this Agreement will not violate the terms of this Agreement.

SECTION VII DISPUTE RESOLUTION

If a dispute arises out of or relates to a breach of this Agreement, and if the dispute cannot be settled through negotiation, then the Engineer and the County agree to submit the dispute to mediation. In the event the Engineer or the County desires to mediate any dispute, it shall notify the other Party in writing of the dispute desired to be mediated. If the Parties are unable to resolve their differences within ten days of the receipt of such notice, such dispute shall be submitted for mediation in accordance with the procedures and rules of the American Arbitration Association (or any successor organization) then in effect. The deadline for submitting the dispute to mediation can be changed if the Parties mutually agree in writing to extend the time between receipt of notice and submission of mediation. The expenses of the mediator shall be shared 50 percent by the Engineer and 50 percent by the County. This requirement to seek mediation shall be a condition required before filing an action at law or in equity.

SECTION VIII TERMINATION

The County may terminate the Agreement with or without cause, or for convenience by giving to the Engineer at least thirty (30) calendar days' advance notice in writing. Upon receipt or delivery of such notice, the Engineer shall discontinue all services in connection with the performance of this Agreement and shall proceed to cancel promptly all existing orders and contracts insofar as such orders or contracts are chargeable to this Agreement. As soon as practicable after receipt of notice of termination, the Engineer shall submit a statement showing in detail, the services performed under this Agreement to the date of termination.

The County shall then pay the Engineer promptly for that portion of the prescribed charges which the services actually performed under this Agreement bear to the total services called for under the Agreement, less such payments on account of the charges as have been previously made. Copies of all completed or partially completed surveys, reports, designs, plans, specifications and all other documents prepared under this Agreement shall be delivered to the County Engineer when and if this agreement is terminated, but subject to the restrictions, as to their use, as set forth in Section VI.

SECTION IX INSURANCE

The Engineer shall obtain and maintain, throughout the term of the Agreement, insurance of the types and in the minimum amounts set forth below.

The Engineer shall, upon request by the County, furnish certificates of insurance to the County evidencing compliance with the insurance requirements herein. Certificates shall indicate name of the Engineer, name of insurance company, policy number, and terms and limits of coverage. The Engineer shall cause its insurance companies to provide the County with at least thirty (30) days' prior written notice of any reduction in the limit of liability by endorsement of the policy, cancellation or non-renewal of the insurance coverage required under this Agreement. The Engineer shall obtain such insurance from such companies having a Best's rating of B+/VII or better, licensed or approved to transact business in the state in which the Services shall be performed, Texas, and shall obtain such insurance of the following types and minimum limits.

a. Workers' Compensation insurance in accordance with the Laws of the State of Texas, or state of hire/location of Services, and Employer's Liability coverage with a limit of not less than \$500,000 each employee for Occupational Disease; \$500,000 policy limit for Occupational Disease; and Employer's Liability of \$500,000 each accident.

b. Commercial General Liability insurance including coverage for Products/Completed Operations, Blanket Contractual, Contractors' Protective Liability, Broad Form Property Damage, Personal Injury/Advertising Liability, and Bodily Injury and Property Damage with limits of not less than:

\$2,000,000	general aggregate limit
1,000,000	each occurrence, combined single limit
1,000,000	aggregate Products, combined single limit
1,000,000	aggregate Personal Injury/Advertising Liability
50,000	Fire Legal Liability
5,000	Premises Medical

c. 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.

d. Umbrella Excess Liability insurance written as excess of Employer's Liability, with limits not less than \$1,000,000 each occurrence combined single limit.

e. Professional Liability insurance with limits not less than \$1,000,000 each claim/annual aggregate.

The County and the County's agents and employees shall be added as additional insureds to all coverages required above, except for those requirements in paragraphs "a" and "e". All policies written on behalf of the Engineer shall contain a waiver of subrogation in favor of the County and the County's agents and employees, with the exception of insurance required under paragraph "e". Additionally, the Contractor's commercial general liability insurance must provide any defense provided by the policy to Galveston County, its officials, employees, and agents.

**SECTION X
VENUE AND CHOICE OF LAW**

This Agreement shall be construed and enforced for all purposes pursuant to the laws of the State of Texas. Venue shall lie exclusively in a court of competent jurisdiction in Galveston County,

Texas.

**SECTION XI
ADDRESS OF NOTICES AND COMMUNICATIONS**

All notices and communications under this Agreement to be mailed or delivered to Engineer shall be to the following address:

Name: Mr. Telfryn John
Title: President
Mailing Address: 405 E. 20th Street
Houston, Texas 77008

All notices and communications under this Agreement to be mailed or delivered to the County shall be to the following address:

Mark Henry, Galveston County Judge
Galveston County Courthouse
722 Moody, 2nd Floor
Galveston, Texas 77550

With a copy to:

Michael Shannon, PE, CFM,
Galveston County Engineer
722 Moody, 1st Floor
Galveston, Texas 77550

**SECTION XII
SECTION CAPTIONS**

Each section under the contractual undertakings has been supplied with a caption to serve only as a guide to the contents. The caption does not control the meaning of any section or in any way determine its interpretation or application.

**SECTION XIII
SUCCESSORS AND ASSIGNS**

The County and the Engineer each binds itself and its successors, and assigns to the other Party of this Agreement and to the successors, and assigns of such other Party in respect to all provisions of this Agreement. Except as above, neither the County nor the Engineer shall assign, subcontract, or otherwise transfer their interest in this Agreement without the prior written consent of the other Party. Nothing herein shall be construed as creating any personal liability on the part of any officer or agent of any public body which may be a party thereto.

**SECTION XIV
ADDITIONAL TERMS**

14.1 PROCUREMENT REQUIREMENTS

Engineer shall comply with all applicable local, State, and Federal laws, rules, regulations, orders, and ordinances. This includes, but is not limited to, that Engineer shall comply with the Galveston County Purchasing Policies & Procedures Manual approved by Order of the Commissioners Court on March 7, 2018, including without limitation, applicable provisions within Chapter Nine of said Manual as this contract is made pursuant to a federal award.

14.2 CONFLICT OF INTEREST

a. No member of the County's governing body, and no employee, officer, or agent of the County shall participate in the selection or in the award of administration of a subcontract supported by grant funds if a conflict of interest, real or apparent, would be involved. Such a conflict of interest would arise when: 1.) the employee, officer, or agent, 2.) any member of his or her immediate family, 3.) his or her partner, or 4.) any organization which employs, or is about to employ any of the above; has a financial or other interest in the firm or person selected to perform the subcontract.

b. In all cases not governed by Subsection (a) of this Section, no person specified in subsection (c) of this Section, who exercises any functions or responsibilities in connection with the planning and carrying out of the project, or who are in a position to participate in decision making process or gain inside information with regard to activities under this Agreement as Amended, may obtain a financial interest or benefit from the activity, or have an interest or benefit from the activity, or have any interest in any contract, subcontract, or agreement with respect thereto, or the proceeds thereunder, either for themselves or those with whom they have family or business ties during their tenure or for (1) year thereafter.

c. The conflict of interest provisions of Subsection (b) apply to any person who is an employee, agent, consultant, officer, elected official, or appointed official of the County or of the Contractor.

14.3 AUTHORITY TO BIND

Each Party represents and warrants for itself that the individual executing this Agreement on its behalf has the full power and authority to do so and to legally bind the Party to all the terms and provisions of this Agreement and that this Agreement constitutes the legal, valid, and binding agreement of each Party hereto.

14.4 IMMUNITY RETAINED

The County does not waive or relinquish any immunity or defense on behalf of itself, its trustees, officers, employees, and agents as a result of its execution of this Agreement and performance of the covenants contained herein. The County specifically reserves any claim it may have to sovereign, qualified, or official immunity as a defense to any action arising in conjunction with this Agreement.

14.5 NO THIRD PARTY BENEFICIARY

This Agreement inures only to the benefit of Galveston County and Contractor. This Agreement does not create, is not intended to create, and shall not be deemed or construed to create, any rights or benefits in third parties.

14.6 SEVERABILITY

If a provision contained in this Agreement is held invalid for any reason by a court of competent jurisdiction, the invalidity shall not affect other provisions of the Agreement that may be given effect without the invalid provision, and to this end the provisions of this Agreement are severable.

14.7 VALIDITY/ENFORCABILITY

If any current or future legal limitations affect the validity or enforceability of a provision of this Agreement, then the legal limitations are made a part of this Agreement and shall operate to amend this Agreement to the minimum extent necessary to bring this Agreement into conformity with the requirements of the limitation, and as so modified, this Agreement shall continue in full force and effect.

Execution Page follows this Page


The Rest of this Page is Intentionally Left Blank

This Agreement is hereby EXECUTED by the Parties hereto in triplicate (three (3)) counterparts, each of which shall constitute an original, to be effective upon full execution with the date of the Party signing last in time.

Galveston County

Geoscience Engineering & Testing, Inc.

By _____
Mark Henry
County Judge

By  _____
Telfryn John
President

Date Signed: _____

Date Signed: June 7, 2026

Attest: _____
Dwight D. Sullivan,
Galveston County Clerk



405 E. 20th Street
Houston, Texas 77008
713.861.9700
713.861.4477 Fax

HOUSTON

THE WOODLANDS

May 13, 2026

Galveston County Engineer
c/o IDS Engineering Group
722 21st St # 2, Galveston, TX 77550

Attention: Travis S. Sellers, PE, ENV SP | Senior Vice President
IDS Engineering Group
tsellers@idseg.com
713-462-3178

Reference: Proposed Geotechnical Exploration Scope and Fee Estimate
Avenue B Drainage Improvements and Paving Recommendations
Avenue B from 10th St. to Boulevard Street and Galveston Bay, Bacliff, TX
GETI Proposal No. 26-13219 Rev. 2

Ladies and Gentlemen:

Geoscience Engineering & Testing, Inc., (GETI) is pleased to offer this Geotechnical Proposal w/ Fee Estimate for the referenced project. We prepared this proposal based on project information provided by Amber Forrest, PE with DCCM and Travis Sellers, PE, ENV SP with IDS Engineering Group. Additionally, a Scoping Meeting was held on April 21, 2026, via TEAMS with other participants from MBCO and GFT. The Galveston County Engineer, Michael Shannon, PE provided further background, guidance and direction from the owner's perspective. More recent guidance has also been received from IDS and DCCM.

Project Location: The proposed project is for Avenue B Drainage Improvements and Paving stretching from 10th Street in the southwest to Boulevard Street and Galveston Bay in the northeast of the alignment which represents approximately 3,800 linear feet.

Project Description: Avenue B Drainage Improvements and Paving project is in Bacliff, Texas. The proposed Drainage Improvements and Paving Replacement will most likely comprise storm sewer inlets, new RCP or RCB storm sewers and pavement replacement. Presently, we are not aware of any intention to widen the existing pavement within the current ROW. Rather, the two lane, two-way asphaltic concrete pavement will be replaced.

Assumptions: Our proposal assumes and is based upon the following:

- ✓ site is readily accessible,
- ✓ boring locations can be accessed by truck mounted drilling equipment,
- ✓ boring locations at the site are covered by asphaltic concrete paving layers,
- ✓ coring is required to facilitate drilling and measure pavement thickness.
- ✓ traffic control planning for drilling purposes may be required (W. Bayshore / FM 646).

FIELD INVESTIGATION

The proposed field investigation has been developed to account for known project elements. Furthermore, the selected boring depths are based on our previous subsurface experience in the area and are also intended to account for anticipated design structure information required. Our program therefore includes nine variable depth borings at general spacing of 500-ft linear distance. The proposed borings, which increase in depth southwest to northeast are identified below. A Boring Location Plan is attached.

Borings	Depth (ft.)	Location	Structure / Purpose
1 thru 3	15	Avenue B from 10 th to 6 th .	Drainage and Pavement
4 thru 6	20	Avenue B from 5 th to 2 nd .	Drainage and Pavement
7 thru 9	25	Avenue B from 1 st to Bay	Drainage and Pavement + Outfall
Total	180		

Coring	Depth (ft.)	Location	Structure / Purpose
9	6 to 8-inch	Avenue B	Drainage and Pavement

Nine borings totaling 180 feet of drilling are included in this scope of work. Nine concrete/asphalt cores will be cored to facilitate the boring operations. All the borings will be grouted after the completion of the drilling. Surface completions will thereafter be made with cold patch asphalt.

Field personnel will drill the borings using truck-mounted equipment. Cohesive and non-cohesive soil samples will be obtained using 3-inch diameter Shelby tube samplers (ASTM D-1587) and 2-inch diameter standard split-spoon samplers (ASTM D-1586), respectively. Borings will be sampled continuously in the upper 10-feet, and thereafter at 5-foot intervals to completion depth of each boring.

An engineering geologist or soils technician will extrude the samples in the field, check the samples for consistency with a hand penetrometer, carefully wrap them to preserve their condition, and return them to the laboratory for testing. A log of each boring will be prepared to document field activities and results. GETI will stake the boring locations using normal taping procedures. Locations will be shown on the plan of borings.

Precise surveying of boring locations and elevations is not included in the cost estimate. These services are to be coordinated with the design team surveyor who should identify the surface locations where shown.

LABORATORY INVESTIGATION

Laboratory tests will be required for classification purposes, to determine strength characteristics, to evaluate short- and long-term deformation / swell properties of the materials encountered, and where appropriate, permeability. Testing will be in accordance with our standard procedures which include moisture content and soil identification, liquid and plastic limit determinations, soil gradations, strength tests on soil, and unit weight determinations. Specific types and quantities of tests will be determined based on soil conditions encountered in the boring.

ENGINEERING SERVICES

The engineering report will be prepared by a registered engineer and will present the results of the field and laboratory data together with our analyses of the results and recommendations. We will provide a digitally signed and sealed report in electronic PDF format. The report will address:

- ✓ soil and ground water conditions encountered at the boring locations,
- ✓ ground water depths (if any) at depth of encounter and completion of borings,
- ✓ boring locations with northing / easting or latitude / longitude surveyor provided,
- ✓ drainage structure excavation, earth pressures, bedding and backfill recommendations,
- ✓ storm sewer recommendations with dewatering / ground water control methods, if required.
- ✓ earthwork recommendations, including material and compaction requirements; and
- ✓ construction considerations related to soil / groundwater conditions at the borings.
- ✓ paving recommendations for replacement asphaltic concrete paving, and
- ✓ outfall structure bearing pressure and potential scour review.

COST OF SERVICES

Based on the scope of services described above, we propose a lump sum fee of **\$18,942.00** for the scope outlined herein. Potentially, a supplemental fee of **\$3,500.00** may also be required for one day traffic control depending on a boring location near FM 646 downstream. Thus, we request an approved budget of **\$22,442.00**. These fees will not be exceeded without prior authorization. Items other than those specified above, or changes in drilling requirements, which are revealed by these studies or are necessitated by a change in project scope, may require revised field, laboratory, and engineering services. These services will be discussed and negotiated on an individual basis. The final invoice will be sent to you with our report.

PROJECT SCHEDULE

We plan to initiate these studies within some five working days of receipt of notice-to-proceed and anticipate that one to two working days will be required to complete the field investigation (weather and traffic control conditions permitting). You will receive the preliminary report approximately 10 to 15 business days following completion of field and laboratory testing operations. If you require a delivery time frame other than that presented above, please advise us at the time of signing this proposal so that we may make the appropriate adjustments in our schedule to accommodate your needs.

CLIENT OBLIGATIONS

Items to be provided by the client include the right-of-entry to conduct the exploration and information regarding the location of any utilities on the subject site This is in addition to GETI advising Utility owners through Texas One Call.

Any restrictions or special project requirements should be brought to our attention before we commence fieldwork. Should weather or other factors result in unforeseen changes in site accessibility, GETI will contact the client to discuss accessibility options and associated fees.

AUTHORIZATION

Please authorize us by means of a Galveston County Engineering Services Agreement or an applicable IDS Subconsultant Agreement.

CLOSING

Thank you for the opportunity to present this proposal. Please call if you have any questions or if you have suggestions regarding changes to the proposed work scope. We look forward to working with you on the project.

Respectfully Submitted,
Geoscience Engineering & Testing, Inc.



Telfryn L. John, PE
Principal Engineer
President

PROPOSAL ACCEPTED BY:

Signature _____ Date _____

Printed Name _____

Company _____

Title _____

Attachments:

- Fee Estimates
- Boring Location Plan

GEOTECHNICAL EXPLORATION AND ENGINEERING COST ESTIMATE						
Prepared by GeoScience Engineering & Testing						
Proposal No.:		26-13219 Rev 2				
Proposal Date:		May 13, 2026				
Project:		Avenue B Drainage and Paving Improvements				
Location:		Avenue B from 10th Street to Boulevard St. and Galveston Bay, Bacliff TX				
PLANNING (Scoping, Client Site Visit, One Call, Drilling Package/Scheduling, Permits, Internal Project Kick-off Meeting)						
Item	Code	Unit Rate	Unit	Quantity	Cost	
Principal Engineer	10100	\$ 206.00	Hour	1	\$ 206.00	
Senior Engineer (10 Years Experience)	10200	\$ 175.00	Hour	2	\$ 350.00	
Project Engineer, PE or Geologist, PG	10300	\$ 149.00	Hour		\$ -	
Graduate Engineer / Geologist	10400	\$ 101.00	Hour	4	\$ 404.00	
Technician NICET IV	10500	\$ 85.00	Hour		\$ -	
Technician NICET III, HMA II	10600	\$ 75.00	Hour		\$ -	
Engineering Assistant	11500	\$ 50.00	Hour	2	\$ 100.00	
					Planning Subtotal:	\$ 1,060.00
FIELD (Coordination, Logging, Borings, Corings, Piezometers)						
Item		Unit Rate	Unit	Quantity	Cost	
Principal Engineer	10100	\$ 206.00	Hour		\$ -	
Senior Engineer	10200	\$ 175.00	Hour		\$ -	
Project Engineer	10300	\$ 149.00	Hour	2	\$ 298.00	
Graduate Engineer / Geologist	10400	\$ 101.00	Hour	8	\$ 808.00	
Technician NICET IV	10500	\$ 85.00	Hour		\$ -	
Technician NICET III, HMA II	10600	\$ 75.00	Hour		\$ -	
Engineering Assistant	11500	\$ 50.00	Hour	4	\$ 200.00	
Soil Boring , intermittent 3-inch dia (0-50)	11010	\$ 19.00	Foot	90	\$ 1,710.00	
Soil Boring , intermittent 3-inch dia (50-100)	11020	\$ 21.00	Foot		\$ -	
Soil Boring, Continuous 3-in dia (0-25)	11030	\$ 21.00	Foot	90	\$ 1,890.00	
Soil Boring, Continuous 3-in dia (25-50)	11031	\$ 25.00	Foot		\$ -	
Piezometer Installation	11071	\$ 16.00	Foot		\$ -	
Piezometer Abandonment	11072	\$ 16.00	Foot		\$ -	
Grouting of Completed Boring	11080	\$ 10.00	Foot	180	\$ 1,800.00	
Wash Boring / Rotary Drilling (surcharge)	11090	\$ 9.00	Foot	30	\$ 270.00	
Drill Rig Mobilization / Demobilization	11110	\$ 349.00	Lump Sum	1	\$ 349.00	
Concrete Coring Mobilization	11120	\$ 349.00	Each	1	\$ 349.00	
ATV Mobilization Surcharge	11130	\$ 100.00	Lump Sum		\$ -	
Asphaltic Concrete Coring (6-inch dia)	11150	\$ 150.00	each	9	\$ 1,350.00	
Vehicle Charge	15000	\$ 85.00	Day	2	\$ 170.00	
					Field Subtotal:	\$ 9,194.00
LABORATORY (Classification, Strength, Swell Potential)						
Item		Unit Rate	Unit	Quantity	Cost	
Principal Engineer	10100	\$ 206.00	Hour		\$ -	
Senior Engineer	10200	\$ 175.00	Hour		\$ -	
Project Engineer	10300	\$ 149.00	Hour	2	\$ 298.00	
Graduate Engineer / Geologist	10400	\$ 101.00	Hour		\$ -	
Technician NICET IV	10500	\$ 85.00	Hour		\$ -	
Technician NICET III, HMA II	10600	\$ 75.00	Hour		\$ -	
Engineering Assistant	11500	\$ 50.00	Hour		\$ -	
Liquid & Plastic Limits	90100	\$ 62.00	Each	15	\$ 930.00	
Moisture Content of Soils by Mass	90200	\$ 9.00	Hour	60	\$ 540.00	
Moisture Content of Soils by Microwave	90300	\$ 10.00	Each		\$ -	
Sieve Analysis	90400	\$ 57.00	Each		\$ -	
Sieve Analysis w/ Hydrometer	90500	\$ 128.00	Each		\$ -	
Percent Passing No. 200 Sieve	90600	\$ 48.00	Each	15	\$ 720.00	
Specific Gravity	90700	\$ 59.00	Each		\$ -	
pH of Soils	90800	\$ 17.00	Each		\$ -	
Unconfined Compressive Strength	90900	\$ 45.00	Each	9	\$ 405.00	
Consolidated Undrained (CU) Triaxial Compression	91100	\$ 1,500.00	Each		\$ -	
One-Dimensional Consolidation	91200	\$ 361.00	Each		\$ -	
Consolidation - Additional Increment	91300	\$ 51.00	Each		\$ -	
Dispersive Characteristic by Pinhole Test	91400	\$ 286.00	Each		\$ -	
Dispersive Characteristic by Crumb Test	91500	\$ 38.00	Each	9	\$ 342.00	
California Bearing Ratio	91900	\$ 200.00	Each		\$ -	
One Dimensional Swell, Cohesive Soil	92200	\$ 275.00	Each		\$ -	
OMD Standard Compaction	92300	\$ 225.00	Each		\$ -	
					Laboratory Subtotal:	\$ 3,235.00
BORING LOG PREPARATION						
Item		Unit Rate	Unit	Quantity	Cost	
Principal Engineer	10100	\$ 206.00	Hour	1	\$ 206.00	
Senior Engineer	10200	\$ 175.00	Hour		\$ -	
Project Engineer	10300	\$ 149.00	Hour	1	\$ 149.00	
Graduate Engineer / Geologist	10400	\$ 101.00	Hour	4	\$ 404.00	
Technician NICET IV	10500	\$ 85.00	Hour		\$ -	
Engineering Assistant	11500	\$ 50.00	Hour		\$ -	
					Boring Log Preparation Subtotal:	\$ 759.00
ANALYSIS AND REPORT						
Item		Unit Rate	Unit	Quantity	Cost	
Principal Engineer	10100	\$ 206.00	Hour	2	\$ 412.00	
Senior Engineer	10200	\$ 175.00	Hour	6	\$ 1,050.00	
Project Engineer	10300	\$ 149.00	Hour		\$ -	
Graduate Engineer / Geologist	10400	\$ 101.00	Hour	32	\$ 3,232.00	
Technician NICET IV	10500	\$ 85.00	Hour		\$ -	
Engineering Assistant	11500	\$ 50.00	Hour		\$ -	
					Analysis and Report Subtotal:	\$ 4,694.00
					PROJECT TOTAL:	\$ 18,942.00

Boring Location Plan - Avenue B

Borings B-1 through B-3: 15ft
Borings B-4 through B-6: 20ft
Borings B-7 through B-9: 25 ft



Legend

- Bayside Community Center
- Feature 1
- Feature 2
- Feature 3
- Feature 4
- Galveston Bay Inn
- Katie's Bar
- Lomeli Paving & Grading