

CITY OF EL PASO, TEXAS
AGENDA ITEM
DEPARTMENT HEAD'S SUMMARY FORM

DEPARTMENT: Capital Improvement

AGENDA DATE: January 7, 2020

CONTACT PERSON/PHONE: Sam Rodriguez, P.E., City Engineer, (915) 212-1845

DISTRICT(S) AFFECTED: 2

STRATEGIC GOAL: No. 4: Enhance El Paso's Quality of Life through Recreational, Cultural and Educational Environments

SUBJECT:

That the City Manager be authorized to sign an Agreement for Professional Services by and between the CITY OF EL PASO and **BROCK AND BUSTILLOS, INC.**, a Texas Corporation, for a project known as "**RECREATIONAL FACILITY LOWER BEAUMONT PROPERTY – FT. BLISS**" for an amount not to exceed **SIX HUNDRED FIFTY THOUSAND NINE HUNDRED THIRTEEN AND 39/100 DOLLARS (\$650,913.39)**; that the City Engineer is authorized to approve additional Basic Services and Reimbursables for an amount not to exceed Fifty Thousand and No/100 Dollars (\$50,000.00); and to approve Additional Services for an amount not to exceed Fifty Thousand and No/100 Dollars (\$50,000.00); if such services are necessary for the proper execution of the project and that the increased amounts are within the appropriate budgets of the project for a total amount of Seven Hundred Fifty Thousand Nine Hundred Thirteen and 39/100 Dollars (\$750,913.39); and that the City Manager be authorized to establish the funding sources and make any necessary budget transfers and execute any and all documents necessary for the execution of the Agreement.

BACKGROUND / DISCUSSION:

The City of El Paso will be developing the property known as the Lower Beaumont Property. The Lower Beaumont Property improvements are composed of designing and constructing a recreational facility that will include a hiking/biking trail; unimproved recreational space; four flat recreational/athletic turf fields; irrigation; and infrastructure shared for all fields including seating areas; lighting; parking; site access/infrastructure improvements; recreational equipment storage; maintenance facility; and restrooms. The COEP will ultimately enter a long term lease agreement with the Army for the 70-acre portion of Fort Bliss property adjacent to Fred Wilson Avenue and Dyer Street.

PROTEST

☒ No protest received for this requirement.

☐ Protest received.

COUNCIL REPRESENTATIVE BRIEFING:

Was a briefing provided? ☐ Yes or ☒ No

If yes, select the applicable districts.

☐ District 1

- ☐ District 2
- ☐ District 3
- ☐ District 4
- ☐ District 5
- ☐ District 6
- ☐ District 7
- ☐ District 8
- ☐ All Districts

PRIOR COUNCIL ACTION:

N/A

AMOUNT AND SOURCE OF FUNDING:

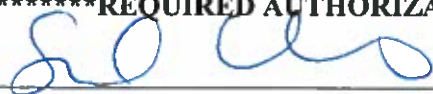
4,903,846.15 – 2012 Quality of Life

BOARD / COMMISSION ACTION:

N/A

*****REQUIRED AUTHORIZATION*****

DEPARTMENT HEAD:



Sam Rodriguez, P.E., City Engineer



CITY OF EL PASO
CAPITAL IMPROVEMENT DEPARTMENT
218 N. CAMPBELL, 2ND FLOOR
EL PASO, TEXAS 79901

EVALUATION COMMITTEE SCORE SUMMARY

SOLICITATION# 2020-073R
RECREATIONAL FACILITY LOWER BEAUMONT

	BROCK & BUSTILLOS	HUITT ZOLLARS	SLI ENGINEERING
Rater #1	81	94	92
Rater #2	54	58	68
Rater #3	56	69	60
Total Score	191	221	220



CITY OF EL PASO
CAPITAL IMPROVEMENT DEPARTMENT
218 N. CAMPBELL, 2ND FLOOR
EL PASO, TEXAS 79901

INTERVIEW SCORE SUMMARY

SOLICITATION# 2020-073R
RECREATIONAL FACILITY LOWER BEAUMONT PROPERTY FT BLISS

	BROCK & BUSTILLOS	HUITT ZOLLARS	SLI ENGINEERING
Rater #1	81	68	61
Rater #2	90	64	88
Rater #3	89	83	80
Total Score	260	215	229

RESOLUTION

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF EL PASO:

That the City Manager be authorized to sign an Agreement for Professional Services by and between the CITY OF EL PASO and **BROCK AND BUSTILLOS, INC.**, a Texas Corporation, for a project known as **"RECREATIONAL FACILITY LOWER BEAUMONT PROPERTY – FT. BLISS"** for an amount not to exceed **SIX HUNDRED FIFTY THOUSAND NINE HUNDRED THIRTEEN AND 39/100 DOLLARS (\$650,913.39)**; that the City Engineer is authorized to approve additional Basic Services and Reimbursables for an amount not to exceed Fifty Thousand and No/100 Dollars (\$50,000.00) and to approve Additional Services for an amount not to exceed Fifty Thousand and No/100 Dollars (\$50,000.00) if such services are necessary for the proper execution of the project and that the increased amounts are within the appropriate budgets of the project for a total amount of Seven Hundred Fifty Thousand Nine Hundred Thirteen and 39/100 Dollars (\$750,913.39); and that the City Manager be authorized to establish the funding sources and make any necessary budget transfers and execute any and all documents necessary for the execution of the Agreement.

ADOPTED THIS _____ DAY OF _____ 2019.


CITY OF EL PASO:

Dee Margo, Mayor

ATTEST:


Laura D. Prine
City Clerk

APPROVED AS TO FORM:



Sol M. Cortez
Senior Assistant City Attorney

APPROVED AS TO CONTENT:



Samuel Rodriguez, P.E., City Engineer
Capital Improvement Department

THE STATE OF TEXAS)
)
COUNTY OF EL PASO)

**AN AGREEMENT FOR
PROFESSIONAL SERVICES**

This Agreement is made this _____ day of _____, 2019 by and between the **CITY OF EL PASO**, a municipal corporation organized and existing under the laws of the State of Texas, hereinafter referred to as the "**Owner**", and Brock and Bustillos, Inc., a Texas Corporation, hereinafter referred to as the "**Consultant**".

WHEREAS, the Owner intends to engage the Consultant to perform architect and engineering services for the project known as "**RECREATIONAL FACILITY LOWER BEAUMONT PROPERTY - FT. BLISS**", hereinafter referred to as the "**Project**", as further described in Attachments "**A**" and

WHEREAS, Consultant has been selected to perform such services as required by the Owner, and the Consultant was selected through the Owner's selection procedure, in accordance with all applicable state and local laws and ordinances;

NOW, THEREFORE, for the consideration set forth in this Agreement and its attachments, the Owner and Consultant agree as follows:

**ARTICLE I.
ATTACHMENTS**

1.1 The attachments listed herein and attached to this Agreement are incorporated herein by reference for all purposes.

Attachment "A"	Scope of Services and Budget
Attachment "B"	Consultant's Fee Proposal and Hourly Rates
Attachment "C"	Consultant's Basic and Additional Services
Attachment "D"	Payment and Deliverable Schedules
Attachment "E"	Insurance Certificate

**ARTICLE II.
PROJECT**

2.1 The Owner hereby agrees to retain the Consultant and the Consultant agrees to perform construction management services for the Project as professional consultant for the Project. The Project shall consist of the Consultant's completion of the Scope of Services as further described in Attachment "**A**". Such Scope of Services shall be completed in accordance with the identified phases described in Attachment "**D**".

2.2 The Consultant shall comply with the City of El Paso Capital Improvement Department Construction Document Guidelines in effect on the execution date of this Agreement in the performance of the services requested under this Agreement. Such Guidelines are available in the Capital Improvement Department.

2.3 The Consultant shall serve as the Owner's professional representative for the construction of the Project to which this Agreement applies and shall give consultation and advice to the Owner during the performance of services.

2.4 The Owner shall provide all available information to the Consultant, as to the Owner's requirements for each Project's the construction contract. The Owner shall also provide to the Consultant, all known information pertinent to the Project site, including previous reports and other data relative to design, such as "as-built" drawings or physical conditions now existing at the Project site. In performing its services, the Consultant will be entitled to rely upon the accuracy of the Owner provided information.

2.5 The Owner hereby designates the City Engineer of the City of El Paso as the Owner's representative with respect to the professional services to be provided by the Consultant pursuant to this Agreement. The City Engineer shall have complete authority to transmit instructions, receive information, interpret and define Owner's policies, and decisions with respect to materials, equipment, elements, and systems pertinent to the work covered by this Agreement. City Engineer will render written decisions within a five (5) working day time period.

ARTICLE III. CONSULTANT FEES AND PROJECT BUDGET

3.1 **PAYMENT TO CONSULTANT.** The Owner shall pay to the Consultant an amount not to exceed **SIX HUNDRED FIFTY THOUSAND NINE HUNDRED THIRTEEN AND 39/100 DOLLARS (\$650,913.39)** for all basic services and reimbursables performed pursuant to this Agreement.

The City Engineer may, without further authorization from the City Council and in a form approved by the City Attorney, increase the total payment identified for all basic services and reimbursables performed pursuant to this Agreement in an amount not to exceed **FIFTY THOUSAND AND NO/100 DOLLARS (\$50,000.00)**, if such services are necessary for proper execution of the Project and the increased amounts are within the appropriate budget identified for the identified Project.

In addition, if authorized in advance by the City Engineer, in a form approved by the City Attorney, the Consultant may perform such Additional Services as also enumerated within **Attachment "C"** in an amount not to exceed **FIFTY THOUSAND AND NO/100 DOLLARS (\$50,000.00)**, if such services are necessary for proper execution of any identified Projects and the increased amounts are within the appropriate budget identified for the identified Projects. Additional Services exceeding **FIFTY THOUSAND AND NO/100 DOLLARS (\$50,000.00)** must have prior approval by City Council through written amendment to this Agreement.

The parties agree and understand that all fees and compensation to the Consultant shall only become due and payable in accordance with the terms of this Agreement and the fees to be charged for the Project shall be pursuant to the Consultant's fee proposal for such Basic and Additional Services at the rates which is attached hereto as **Attachment "B"**.

2.3 The Consultant shall serve as the Owner's professional representative for the construction of the Project to which this Agreement applies and shall give consultation and advice to the Owner during the performance of services.

2.4 The Owner shall provide all available information to the Consultant, as to the Owner's requirements for each Project's the construction contract. The Owner shall also provide to the Consultant, all known information pertinent to the Project site, including previous reports and other data relative to design, such as "as-built" drawings or physical conditions now existing at the Project site. In performing its services, the Consultant will be entitled to rely upon the accuracy of the Owner provided information.

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The parties agree and understand that all fees and compensation to the Consultant shall only become due and payable in accordance with the terms of this Agreement and the fees to be charged for the Project shall be pursuant to the Consultant's fee proposal for such Basic and Additional Services at the rates which is attached hereto as **Attachment "B"**.

Payments to the Consultant shall be made pursuant to **Attachment "D"**.

3.2 CONSULTANT'S SERVICES. The Basic Services to be provided by the Consultant for this Agreement are attached hereto as **Attachment "C"**.

3.3 CONSULTANT'S INVOICES. The Consultant shall bill the Owner not more often than monthly, through written invoices pursuant to **Attachment "D"**. Invoices shall indicate the costs for outside consultants with copies of their invoices as back-up materials as well as other authorized direct costs for hourly rate contracts. All invoices shall be made in writing. Within ninety days (90) of substantial completion of construction, all outstanding invoices for all work completed to date by the Consultant shall be submitted to the Owner.

3.3.1 Each invoice shall contain a brief summary indicating, at a minimum, the total amount authorized for the Consultant, the current invoiced amount and the amount billed to date. In addition to the Summary, each invoice shall provide a Progress Report. The Progress Report shall describe, at a minimum, the progress of the Project to date also indicating the percentage of completion of the Project. The established schedule for completion shall not be revised except by written amendment to this Agreement, executed by both parties.

3.3.2 The Owner agrees to pay invoices for all services performed as soon as reasonably possible but not later than thirty (30) days from receipt. Upon dispute, however, the Owner may, upon notice to the Consultant, withhold payment to the Consultant for the amount in dispute only, until such time as the exact amount of the disputed amount due the Consultant is determined. The total amount paid to Consultant shall not exceed Consultant's fee proposal, except by written amendment to this Agreement, executed by both parties.

3.4 PROJECT CONSTRUCTION BUDGET AND TIME. The Consultant acknowledges that the total project budget for the Project allocates is Three Million Three Thousand and No/100 Dollars (\$3,000,300.00), which is to include all features essential to the operation of the Project for its intended use as described in the Scope of Services and Project budget in **Attachment "A"**. The Consultant does hereby agree to design the Project such that the Consultant's final agreed cost opinions for the construction of the Project, including all features essential to its intended use, is within the above budgeted amount for the base bid. If the Consultant's cost opinions exceed the Project Budget at any time, the Consultant shall make recommendations to the Owner to adjust the Project's size or quality and the Owner shall cooperate with the Consultant to adjust the scope of the Project. If all responsible bids exceed the City approved Consultant's final cost opinions by more than **ten percent (10%)**, the Consultant agrees, at the direction of the Owner, to redesign the Project without additional charge to the Owner in order to bring the Project within the budgetary limitations.

3.5 COSTS NOT ENUMERATED. Except as specifically set forth in this Agreement and its attachments, all costs related to the completion of the services requested herein shall be borne by the Consultant and not passed on to the Owner or otherwise paid by the Owner, unless a written amendment to this Agreement is executed by both parties allowing for additional costs.

**ARTICLE IV.
PERIOD OF SERVICE AND TERMINATION**

4.1 PERIOD OF SERVICE. The services called for by each phase shall begin upon the issuance of a Notice to Proceed from the City Engineer. The Consultant shall complete the requested services in accordance with the timelines and schedules outlined in **Attachments "C" and "D"**.

4.2 SUSPENSION. Barring an early termination as provided herein, this Agreement shall remain in force: a) For a period which may reasonably be required for the design, award of construction contracts, and construction of the improvements included in all construction contracts, including extra work and required extensions thereto; or b) Unless construction has not begun within a period of **twelve (12) months** after the completion of the services called for in that phase of work last authorized. However, should the Consultant's services be suspended for a period longer than six months, the City and Consultant may renegotiate remaining fees due to changes in salaries or increased costs that may occur during the suspension period. The Owner may determine that this Agreement will remain in full force past the twelve-month period noted above. Such a determination will be based upon the individual circumstances of this Project and this Agreement.

4.3 TERMINATION. This Agreement may be terminated as provided herein.

4.3.1 TERMINATION BY OWNER. It is mutually understood and agreed by the Consultant and Owner that the Owner may terminate this Agreement, in whole or in part for the convenience of the Owner, upon **fourteen (14) consecutive calendar days'** written notice. It is also understood and agreed that upon such notice of termination, the Consultant shall cease the performance of services under this Agreement. Upon such termination, the Consultant shall provide one final invoice for all services completed and reimbursable expenses incurred prior to the Owner's notice of termination. Owner shall compensate Consultant in accordance with this Agreement; however, the Owner may withhold any payment to the Consultant that is held to be in dispute for the purpose of setoff until such time as the exact amount due the Consultant from the Owner is determined. Nothing contained herein, or elsewhere in this Agreement shall require the Owner to pay for any services that are not in compliance with the terms of this Agreement and its attachments.

4.3.2 TERMINATION BY EITHER PARTY. It is further understood and agreed by the Consultant and Owner that either party may terminate this Agreement in whole or in part. Such a termination may be made for failure of one party to substantially fulfill its contractual obligations, pursuant to this Agreement, and through no fault of the other party. No such termination shall be made, unless the other party being terminated is granted: a) written notice of intent to terminate enumerating the failures for which the termination is being sought; b) a minimum of **seven (7) consecutive calendar days** to cure such failures; and c) an opportunity for consultation with the terminating party prior to such termination. However, the Owner retains the right to immediately terminate this Agreement for default

if the Consultant violates any local, state, or federal laws, rules or regulations that relate to the performance of this Agreement. In the event of termination by the Owner pursuant to this subsection, the Owner may withhold payments to the Consultant for the purpose of setoff until such time as the exact amount due the Consultant from the Owner is determined.

4.3.3 TERMINATION SHALL NOT BE CONSTRUED AS RELEASE. Termination by either party shall not be construed as a release of any claims that the terminating party may be lawfully entitled to assert against the terminated party. Further, the terminated party shall not be relieved of any liability for damages sustained by the terminating party by virtue of any breach of this Agreement.

ARTICLE V. INSURANCE AND INDEMNIFICATION

5.1 INSURANCE. The Consultant shall procure and maintain insurance coverage as required herein and attached in **Attachment “E”**. Consultant shall not commence work under this Agreement until the Consultant has obtained the required insurance and such insurance has been approved by the Owner. The Consultant shall maintain the required insurance throughout the term of this Agreement. Failure to maintain said insurance shall be considered a material breach of this Agreement.

5.1.1 WORKERS’ COMPENSATION INSURANCE. The Consultant shall procure and shall maintain during the life of this Agreement, Workers’ Compensation Insurance as required by applicable Texas law for all of the Consultant’s employees to be engaged in work under this Agreement. The Consultant shall provide the following endorsement:

“The policy is endorsed to provide that insurer waives any right of subrogation it may acquire against the Owner, its partners, agents and employees by reason of any payment made on or account of injury, including death resulting therefrom, sustained by any employee of the insured.”

5.1.2 COMMERCIAL LIABILITY, PROPERTY DAMAGE LIABILITY AND AUTOMOBILE LIABILITY INSURANCE. The Consultant shall procure and shall maintain during the life of this Agreement such Commercial General Liability, Property Damage Liability and Automobile Liability Insurance as shall protect the Consultant and the Consultant’s employees performing work covered by this Agreement from claims for damages for personal injury, including accidental death, as well as from claims for property damages, which may arise from operations under this contract, whether such operations be by the Consultant or by anyone directly or indirectly employed by the Consultant. The minimum limits of liability and coverages shall be as follows:

- a) **Commercial General Liability**
 - \$1,000,000.00 Per Occurrence
 - \$1,000,000.00 Products/Completed Operations
 - \$1,000,000.00 Personal and Advertising Injury

b) **AUTOMOBILE LIABILITY**
Combined Single Limit
\$1,000,000.00 per accident

5.1.3 PROFESSIONAL LIABILITY INSURANCE. The Consultant shall procure and shall maintain, at the Consultant's sole expense, Professional Liability Insurance for the benefit of the Owner to cover the errors and omissions of the Consultant, its principals or officers, agents or employees in the performance of this Agreement with a limit of ONE MILLION AND 00/100 DOLLARS (\$1,000,000.00) on a claims made basis.

5.1.4 OWNER AS ADDITIONAL INSURED. The Owner shall be named as an Additional Insured on all of the Consultant's Insurance Policies, with the exception of Workers' Compensation and Professional Liability Insurance required by this Agreement.

5.1.5 PROOF OF INSURANCE. The Consultant shall furnish the City Engineer with certificates showing the type of insurance coverages, limits on each insurance policy, class of operations covered under each insurance policy, effective dates and expiration dates of policies, insurance companies providing the insurance coverages, name of agent/broker and include confirmation of any endorsement(s) required in this Agreement.

5.1.6 GENERAL INSURANCE PROVISIONS. All certificates required herein shall be attached hereto and incorporated for all purposes as **Attachment "E"**. All certificates shall also include the name of the project on the corresponding insurance certificate.

5.2 INDEMNIFICATION. To the fullest extent permitted by law, Consultant shall indemnify hold harmless, and defend Owner, and Owner's officers, directors, partners, agents consultants, and employees from and against any claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court, arbitration, or other dispute resolution costs) arising out of or relating to the Project, provided that any such claim, cost, loss, or damage is attributable to any negligent act or omission, intentional tort, intellectual property infringement, or failure to pay a subcontractor or supplier committed by Consultant or Consultant's officers, directors, partners, agents, consultants or employees. The Consultant shall not be responsible for any acts of any of the City's Independent Project Managers.

To the extent allowed by state law, the Owner will be responsible for its own actions.

ARTICLE VI.
FEDERAL AND STATE PROVISIONS

6.1 COMPLIANCE WITH APPLICABLE LAWS – FEDERAL AND STATE FUNDING REQUIREMENTS. Consultant, at Consultant's sole expense, agrees that it will operate and perform its responsibilities and covenants under this Agreement in accordance with applicable laws, rules, orders, ordinances, directions, regulations and requirements of federal, state, county and municipal authorities, now in force or which may hereafter be in force, including,

but not limited to, those which shall impose any duty upon the Owner or Consultant with respect to the use of federal and state funds and nondiscrimination in the administration of contracts which are funded, in whole or in part, with federal and state funds.

Specifically, and not in limitation of the foregoing, Consultant agrees that to the extent required by any agreement between the Owner and any Federal and State agency, the laws of the federal government of the United States of America and the rules and regulations of any regulatory body or officer having jurisdiction over this Project, **including but not limited to:**

--The Federal Transit Administration (FTA) through a Grant Agreement or Cooperative Agreement with the Owner, or supported by FTA through a Loan, Loan Guarantee, or Line of Credit with the Owner.

--The Department of Housing and Urban Development through a Grant Agreement or Cooperative Agreement with the Owner.

--The Federal Aviation Administration (FAA) through a Grant Agreement or Cooperative Agreement with the Owner, as further described in Attachment "F".

--The Texas Department of Transportation through an Agreement with the Owner.

Copies of grant assurances will be made available to Consultant. However, provided copies shall in no way be a limitation on the Consultant's obligation to comply with any Federal and State agency, the laws of the federal government of the United States of America and the rules and regulations of any regulatory body or officer having jurisdiction over this Project.

6.1.1 CONTRACT ASSURANCE. The Consultant or subconsultant shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the consultant to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate.

6.1.2 DBE GOOD FAITH EFFORTS. The requirements of 49 CFR Part 26, regulations of the U.S. DOT, applies to this contract. It is the policy of the Owner to practice nondiscrimination based on race, color, sex or national origin in the award of performance of this contract. All firms qualifying under this solicitation are encouraged to submit proposals. Award of this contract will be conditioned upon satisfying the requirements of this proposal. These requirements apply to all offerors, including those who qualify as a DBE. A DBE contract goal will be identified pursuant to the federal funding requirements for an individual task order established for this contract. The offeror shall make good faith efforts, as defined in Appendix A, 40 CFR Part 26, to meet the contract goal for DBE participation in the performance of this Agreement.

The Consultant will be required to submit the following information: (1) the names and addresses of DBE firms that will participate in the contract; (2) a description of the work that each DBE firm will perform; (3) the dollar amount of the participation of each DBE firm participating; (4) written documentation of the offeror's commitment to use a DBE subconsultant whose participation it submits to meet the contract goal; (5) written confirmation from the DBE that it is participating in the contract as provided in the commitment made under (4); and (6) if the contract goal is not met, evidence of good faith efforts. The offeror shall submit the information with its proposal as a condition of responsiveness.

DBE participation in this contract may be in the form of a prime contract, subcontract, joint venture, or other arrangement that qualifies under 49 CFR Section 26.55 or 26.53(g), both of which will be submitted on a Letter of Intent to the Owner.

6.2 TERMINATION FOR CANCELLATION OF GRANT. Should this Agreement be terminated as a result of cancellation of federal funds covering this Project, the Owner shall promptly notify the Consultant of the cancellation by certified mail-return receipt requested, whereupon the Consultant shall immediately, on receipt of the letter, cease and desist from performing any other work or services hereunder. In such an event, the Consultant will be paid for professional services performed to such date, upon furnishing the Owner a progress report and an invoice to such date, and upon acceptance of the work by the Owner.

6.3 TITLE VI OF THE CIVIL RIGHTS ACT OF 1964, 78 STAT.252, 42 U.S.C. 2000D TO 2000D-4 AND TITLE 49, CODE OF FEDERAL REGULATIONS, DEPARTMENT OF TRANSPORTATION.

During the performance of this contract, Consultant, for itself, its assignees and successors in interest (hereinafter referred to as the "Consultant") agrees as follows:

- (1) **Compliance with Regulations:** Consultant shall comply with the Regulations relative to nondiscrimination in Federally-assisted programs of the Department of Transportation (hereinafter, "DOT") Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
- (2) **Nondiscrimination:** Consultant, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. ADP shall not participate either directly or indirectly in the discrimination prohibited by section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.
- (3) **Solicitations for Subcontractors, Including Procurements of Materials and Equipment:** In all solicitations either by competitive bidding or negotiation made by Consultant for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by Consultant of Consultant's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, or national

origin.

- (4) **Information and Reports:** Consultant shall provide all information and reports required by the Regulations or directives issued pursuant thereto, and shall permit access to its books, records, accounts other sources of information, and its facilities as may be determined by Client to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of Consultant is in the exclusive possession of another who fails or refuses to furnish this information Consultant shall so certify to Client, as appropriate, and shall set forth what efforts it has made to obtain the information.
- (5) **Sanctions for Noncompliance:** In the event of Consultant's noncompliance with the nondiscrimination provisions of this contract, the Client shall impose such contract sanctions as it may determine to be appropriate, including but not limited to:
- a. Withholding of payments to the Consultant under the contract until the Consultant complies, and / or
 - b. Cancellation, termination or suspension of the contract in whole or in part.
- (6) **Incorporation of Provisions:** Consultant shall include the provisions of paragraphs (1) through (6) in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations, or directive issued pursuant thereto. Consultant shall take such action with respect to any subcontract or procurement as Client may direct as a means of enforcing such provisions including sanctions for non-compliance: Provided, however, that in the event a Consultant becomes involved in, or is threatened with litigation with a subcontractor or supplier as a result of such direction, the Consultant may request Client to enter into such litigation to protect the interests of Client and in addition, Consultant may request the United States to enter into such litigation to protect the interests of the United States.

ARTICLE VII. GENERAL PROVISIONS

7.1 CONTRACT TIME. Consultant understands and agrees to provide all professional services and deliverables requested herein, as expeditiously as is prudent considering the ordinary professional skill and care of a competent engineer or architect, and to use its best efforts to complete all phases of this Agreement within the time schedules indicated within **Attachment "D"**. It is acknowledged that the Consultant does not have control over all aspects of the design and construction process and cannot warrant that it will complete all services and deliverables by a certain date. The Consultant shall timely notify the City Engineer of any delay beyond its control and the City Engineer shall extend the time schedule in the event of delays which the City Engineer reasonably determines are beyond the control of the Consultant.

7.2 OPINION OF PROBABLE COST. As a design professional practicing in El Paso the Consultant is expected to be familiar with the cost of construction, labor, and materials in the El Paso area and of bidding and market trends. The cost opinions of construction cost provided by the Consultant, as required herein, are to be made in light of such familiarity and are expected to be within **ten percent (10%)** of the bid for the base bid item expected from the lowest responsible bidder.

The Consultant's final cost opinions for the construction of the Project, shall take into account labor costs which shall be based on the current City of El Paso prevailing wage rates as adopted by the City Council. In the event that the Project is funded with federal funds, the higher of the City of El Paso prevailing wage rates or the Davis-Bacon wage rates shall be utilized by the Consultant in compiling a final cost opinions for the Project.

If the Consultant's most recent cost opinion for any construction contract is in excess of the Project construction budget, the Owner shall give written approval of an increase in the limit, or shall cooperate in revising the Project's scope or quality, or both, to reduce the cost as required. Such revisions shall be made, and Drawings and Specifications modified by the Consultant without further compensation.

As noted herein, if all responsible bids exceed the final cost opinion by more than **ten percent (10%)**, the Consultant agrees, at the direction of the Owner, to redesign the Project without additional charge to the Owner in order to bring the Project within the budgetary limitations

7.3 CONSULTANT'S QUALITY OF WORK. The Owner's review of any documents prepared by the Consultant is only general in nature and its option to approve and accept the work in no way relieves the Consultant of responsibility for any specific deficiencies in its professional service. The Consultant's services shall be performed with the professional skill and care ordinarily provided by competent engineers or architects practicing 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 engineer or architect and the orderly progress of the Project and in accordance with the time periods established in **Attachment "D"** and which shall be adjusted, if necessary, as the project proceeds. This schedule shall include allowances for periods of time required for the Owner's review, for the performance of the Owner's consultants, and for approval of submissions by authorities having jurisdiction over the project. The identified time limits shall not, except for reasonable cause, be exceeded by the Consultant or Owner.

7.4 COPYRIGHT AND REPRODUCTION RIGHTS. Upon payment of amounts due, the Drawings, Specifications, concepts and design, and other documents prepared by the Consultant for this Project including, without limitation, those in electronic form (sometimes referred to as the "Instruments of Service") are the property of the Owner, who shall be vested with all common law and statutory rights. The Owner shall have the right to the use of the Drawings, Specifications and other documents for the maintenance, repair, remodeling and renovation of the Project; provided however the Consultant shall have no liability for any use of one or more of the Instruments of Service by the Owner for maintenance, repair, remodeling and renovation of the project. The Owner shall have the consent of the Consultant, provided, however, the Consultant shall have no liability or responsibility for such use of the Drawings, Specifications, concepts and design, and other documents. The rights granted to the Owner herein for the use of the Drawings, Specifications and other documents for additional projects shall not grant the Owner any right to rely upon the Consultant's seal on the Drawings and Specifications or to hold the Consultant responsible for any subsequent use of the Drawings, Specifications and documents. The Consultant shall provide the Owner with copies of the Instruments of Service in both electronic form and in hard copy.

7.5 AUDITING RECORDS FOR THE SPECIFIC PROJECT. Consultant's records subject to audit shall include but not be limited to records which, have a bearing on matters of interest to the Owner in connection with the Consultant's work on this Project for the Owner and shall be open to inspection and subject to audit and/or reproduction by Owner's agent or its authorized representative to the extent necessary to adequately permit evaluation and verification of (a) Consultant's compliance with contract requirements, and (b) compliance with provisions for computing Direct Personnel Expense with reimbursables, if applicable.

Such records subject to audit shall also include those records necessary to evaluate and verify direct and indirect costs, (including overhead allocations) as they may apply to costs associated with this Agreement. In those situations where Consultant's records have been generated from computerized data, Consultant agrees to provide Owner's representatives with extracts of data files in computer readable format on data disks or suitable alternative computer data exchange format.

The Owner or its designee shall be entitled, at its expense, to audit all of the Consultant's records related to this Project, and shall be allowed to interview any of the Consultant's employees, pursuant to the provisions of this section throughout the term of this contract and for a period of **three (3) years** after final payment or longer if required by law. Such audits may require inspection and photo copying of selected documents from time to time at reasonable times (limited to Consultant's office hours) and places upon reasonable notice.

7.6 SUCCESSORS AND ASSIGNS. This Agreement shall be binding on the Owner and the Consultant, their successors and assigns. Neither party may assign, sublet, or transfer its interest in this Agreement without the written consent of the other.

7.7 VENUE. For the purpose of determining place of Agreement and the law governing the same, this Agreement is entered into in the City and County of El Paso, the State of Texas, and shall be governed by the laws of the State of Texas. Venue shall be in the County of El Paso, Texas.

7.8 GOVERNING LAW. The Consultant shall comply with applicable Federal, State and local laws and ordinances applicable to the work contemplated herein.

7.9 CAPTIONS. The captions of this Agreement are for information purposes only, and shall in no way affect the substantive terms or conditions of this Agreement.

7.10 SEVERABILITY. Should any section, paragraph or other provision of this Agreement be found invalid, such invalidity shall not affect the remaining provisions of this Agreement.

7.11 NOTICES. Any notice, demand, request, consent or approval that either party may or is required to provide to the other shall be in writing and either personally delivered or sent via certified mail, return receipt, to the following addresses:

To the Owner: The City of El Paso
Attn: City Manager
P. O. Box 1890
El Paso, Texas 79950-1890

With a Copy to: The City of El Paso
Attn: City Engineer
P. O. Box 1890
El Paso, Texas 79950-1890

To the Consultant: BROCK AND BUSTILLOS, INC.
Attn: Roman Bustillos, President
417Executive Center Blvd.
El Paso, Texas 79902

Changes may be made to the names and addresses noted herein through timely, written notice to the other party.

7.12 CONFLICTING PROVISIONS. Any provision contained in any Attachments to this Agreement, which may be in conflict or inconsistent with any of the provisions in this Agreement shall be void to the extent of such conflict or inconsistency.

7.13 ENTIRE AGREEMENT. This Agreement, including attachments, constitutes and expresses the entire agreement between the parties and supersedes all prior negotiations, representations or agreements, whether written or oral. This Agreement shall not be amended or modified, except by written amendment, executed by both parties.

(SIGNATURES BEGIN ON FOLLOWING PAGE)

WITNESS THE FOLLOWING SIGNATURES AND/OR SEALS:

CITY OF EL PASO:

Tomás González
City Manager

APPROVED AS TO FORM:

Sol M. Cortez
Senior Assistant City Attorney

APPROVED AS TO CONTENT:

Samuel Rodriguez, P.E., City Engineer
Capital Improvement Department

ACKNOWLEDGMENT

THE STATE OF TEXAS §
§
COUNTY OF EL PASO §

This instrument was acknowledged before me on this ____ day of _____, 2019,
by **Tomás González**, as **City Manager of the City of El Paso, Texas**.

Notary Public, State of Texas

My commission expires:

(SIGNATURES CONTINUE ON FOLLOWING PAGE)

**CONSULTANT:
BROCK AND BUSTILLOS, INC.**

Roman Bustillos, President

ACKNOWLEDGEMENT

THE STATE OF _____ §
COUNTY OF _____ §

This instrument was acknowledged before me on this ____ day of _____, 2019,
by **Roman Bustillos** as **President of BROCK AND BUSTILLOS, INC.**

Notary Public, State of Texas

My commission expires:



BROCK & BUSTILLOS INC.
CONSULTING CIVIL ENGINEERS ■ URBAN DESIGNERS ■ LAND SURVEYORS

ROMAN BUSTILLOS, P.E.
President

RANDY P. BROCK, P.E.
Executive Vice President

SERGIO J. ADAME, P.E.
Vice President - Engineering

AARON ALVARADO, R.P.L.S.
Vice President - Surveying

TBPE Reg. No. F-737
TBPLS Reg. No. 101314-00

December 17, 2019

VIA E-Mail: NietoC@elpasotexas.gov

City of El Paso
Capital Improvement Department
218 N. Campbell, Second Floor
El Paso, Texas 79901

C/O: Mr. Christian Nieto, Engineering Associate

Re: Recreational Facility at Lower Beaumont Property Improvements,
City of El Paso, El Paso County, Texas
Proposal No. 2019-1103-REV4-Final

Dear Mr. Nieto:

We appreciate the opportunity to present to you our proposal for Professional Design Services for the referenced project. The following is our proposed Scope of Work:

SCOPE OF WORK

1. Plan and attend the design coordination meetings, including the CDR meetings with the City of El Paso (COEP) CID, with other City Departmental officials (SAM), and meet with Fort Bliss Officials, US Army Corps of Engineers and EPISD Officials, as necessary;
2. Assist the COEP with public meetings with Neighborhood Associations and Fort Bliss Officials;
3. Prepare geotechnical soil investigation for design for flat fields, building foundations, hike & bike trail to include parking lot pavement design and existing parking areas;
4. Prepare and coordinate with all utility entities for the proposed utility development as well as for the service connections to the buildings and sports-field facilities;
5. Prepare demolition plans for the designated buildings;
6. Prepare site development plans for four flat fields with illumination, irrigation;
7. Prepare site development plans for demolished buildings (evaluate rehab of existing building for combined maintenance and recreational equipment use), two restrooms,
8. Prepare civil site plans and details for flat field facilities, demolished buildings areas and, hike & bike trail, as generally shown in Figure A;
9. Prepare grading and drainage plans for entire site and specifically for flat field facilities, parking lots and areas and buildings;
10. Review THC requirements for the arroyo in order to mitigate drainage for site development;
11. Prepare hike and bicycle trail for entire site connecting all flat field facilities and buildings, in conjunction with overall site;
12. Prepare electrical, mechanical and plumbing engineering plans and details for new buildings as well as electrical plans covering all of the, hike & bike trail and for the flat field facilities;
13. Prepare illumination plans and details for building envelopes, flat field facilities, hike & bike trail;
14. Prepare landscaping plans and details for building envelopes, flat field facilities, hike & bike trail
15. Prepare irrigation plans and details for all fields and landscaping areas for new building envelopes flat field facilities and overall hike & bike trail improvement areas;
16. Review traffic impact analysis, site vehicular mobility, on-street parking, parking lot development and evaluate roundabout development for three intersections;
17. Review and mitigate all ADA issues with our proposed improvements;
18. Prepare signage and striping plan for building envelopes, sports flat field facilities and overall hike & bike trail improvement areas;
19. Preparation of storm water pollution prevention plans (SWPPP) for entire site;

20. Prepare ONLY electronic submittals as per revised schedule for Conceptual Plan, Preliminary Design Phase, Pre- Final Design Phase, and Final Design Phase;
21. Prepare and coordinate ALL OF the review submittals through Bluebeam Project Management Platform, NO PAPER COPIES; and
22. No construction phase services until CID requests us for proposal based on what is being bid.

END OF SCOPE

EXEMPTIONS:

The following is excluded unless otherwise requested: boundary topographic and improvement surveys; providing proof of ownership; obtaining certified tax certificates; Detailed Site Development Plan; subsurface utility engineering (SUE); ALTA/NSPS Land Title Survey; title commitment; easement plats; construction staking; subdivision plat; subdivision improvement plans; subdivision application or annexation applications; permit fees; Park's fees; right-of-way staking; staking of new city monuments; verification of elevations for new city monuments; elevation certificates; landscaping and irrigation in the areas marked as "unimproved"; traffic impact analysis or traffic counts; data collection (turn movement or roadway volume counts); speed analysis; traffic signal warrants; roundabout analysis/concept/horizontal design at Beaumont/Lazear; Analysis/concept/design of Dyer Street access intersection; Analysis/concept/design of Hayes access intersection; analysis/concept/design of pedestrian accesses or HAWK crossings; bike travel lane design or bike route assessment; recommendation or design of ITS improvements including fiber optic connectivity; analysis/concept/design of a road diet on Fred Wilson; implementation of recommended improvements based on the TIA review; roadway lighting or trail lighting outside of the site; field review of roadway lighting system outside of the site or any traffic signal systems; signal coordination or progression studies as a result of the roundabout implementation; vertical design of roundabouts; traffic signal design; CPSI Playground Review & Audit; any offsite drainage computations and downstream drainage impact analysis; SWPPP implementation, management and monitoring through construction activities; review or opine on any environmental or N.E.P.A. compliance issues; provision of notification sign, sign-installation and sign-removal; COEP construction permit; construction inspections; final certification of completion; construction commencement notification, inspection and notice of termination; construction administration phase services to review the shop drawings, construction meetings; punch-list and final punch-list walk-throughs; TAS and TDLR notification, review and inspection; and to provide as-built survey; preparation of as-built plans; final record drawings to the City; one year warranty walk through; and any other item not specifically listed in the above scope of work.

COMPLETION:

Brock & Bustillos Inc. will form the above Scope of Work to fit the following schedule:

• Investigative/Conceptual Phase	75 consecutive calendar day(s)
• Review Period (City/Ft. Bliss)	30 consecutive calendar day(s)
• Preliminary Design Phase	60 consecutive calendar day(s)
• Review Period (City/Ft. Bliss)	30 consecutive calendar day(s)
• Attend CDR	1 consecutive calendar day(s)
• Pre-final Design Phase	40 consecutive calendar day(s)
• Review Period (City/Ft. Bliss)	30 consecutive calendar day(s)
• Attend CDR	1 consecutive calendar day(s)
• Final Design Phase	21 consecutive calendar day(s)
• Review Period (City/Ft. Bliss)	30 consecutive calendar day(s)
• Attend CDR	1 consecutive calendar day(s)
• Bid Phase	14 consecutive calendar day(s)

BASIS OF COMPENSATION:

We propose that Brock & Bustillos Inc., be paid a Lump Sum Amount of **\$650,913.39** for the above Scope of Work. Rates and terms of payment and charges for any additional work will be done in accordance with the COEP On-Call Surveying Services Contract Agreement. No additional work shall be done without an executed contract amendment with a detailed listing of additional work.

TERMINATION AGREEMENT:

This agreement may be terminated in accordance with the On-Call Surveying Services Contract Agreement.

ACCEPTANCE:

If this proposal meets with your approval, we will consider the receipt of one signed copy of City's Notice to proceed—in accordance with the On-Call Civil Engineering Services Contract Agreement—as our authorization to commence. Please call if you have any questions, we look forward to continue serving you!

Sincerely,

BROCK & BUSTILLOS INC.



Roman Bustillos, P.E., CNU-A
President

Attachments:

Figure A – Conceptual Plan for the Property
Detailed Scope of Services
Detailed Fee Breakdowns
Subconsultant's Fee Proposals



- Flat Fields (Primarily soccer and football activities, different sizes depending on utilities and terrain)
- Parking areas (some paved, others using existing slabs, some hard dirt areas)
- Preliminary stormwater ponding (all guess work)
- Proposed Bathrooms
- Proposed roundabout study areas.
- General limits of all lease property from Fort. Bliss

Revision Date: 12.12.2019



817 Executive Center Blvd.
El Paso, Texas 79902
www.brockbustillos.com

(NORTH: ▲)
NOT TO SCALE

**FIGURE A – PRELIMINARY GENERAL
CONCEPTUAL IDEA SKETCH FOR
THE PROPERTY**

GENERAL

SCOPE OF SERVICES

The City of El Paso (COEP) will be developing the property known as the Lower Beaumont Property. The Lower Beaumont Property improvements are composed of designing and constructing a recreational facility that will include a hiking/biking trail; unimproved recreational space; four flat recreational/athletic turf fields; irrigation; and infrastructure shared for all fields including seating areas; lighting; parking; site access/infrastructure improvements; a combined recreational equipment storage and maintenance facility; and two independent restrooms. The COEP will ultimately enter a long-term lease agreement with the Army for the 70-acre portion of Fort Bliss property adjacent to Fred Wilson Avenue and Dyer Street as illustrated in Figure A.

The COEP's estimated budget for each flat field and associated portion of shared improvements is \$1,000,000. In addition, demolition of a number of existing military structures that because of the building condition, are unusable by the City are included in the scope. Also, included in the scope is mitigation required by the Texas Historical Commission (THC) for impacts to a historic mural located in the building identified as Building 7167 and an arroyo running east to west through the property that is located within a designated historic district.

The design team of Brock & Bustillos, through Solicitation # 2020-073R, will evaluate and provide a recommendation via schematics as to where potential recreational facilities can be optimally located and accommodated on the Lower Beaumont property. Conceptual design can be introduced to save long-term maintenance costs and to reduce capital improvement costs to reconstruct existing grades. Other design goals include adding safety features such as pedestrian and bicycle accessibility; integration of site drainage into the historically protected drainage arroyo mortared rock rip-rap structure; providing durable landscaping and the exploration of natural green methodologies such as Low Impact Development (LID) concepts to convey surface stormwater runoff through the landscaping, parkways and into the existing arroyo; provide field and site lighting; provide a modern concession stand; provide bathroom facilities; recreational equipment storage and maintenance facility. Some of the major improvements include providing site access from Dyer and evaluating the Russel/Fred Wilson entrance; as well as other infrastructure improvements.

The existing roadway surfaces will be reviewed and analyzed to develop a recommendation for the potential reconstruction or future reconstruction of the roadway facilities.

The project will consist of a phased process in which the Team will be analyzing, reviewing and preparing construction documents for the recreational fields, roadways, parkways, parking lots and areas, landscaping infrastructure site drainage, site & field illumination plans, and street lighting, signing, striping, site ADA review & compliance plans, demolition plans of existing building or facilities, construction phasing plans, historical building mitigation plans for the arroyo, Storm Water Pollution Prevention Plan (SWPPP) and traffic control plans. Green concepts will be addressed by evaluating the use of recycled asphalt for base throughout the project, as well as improving storm water capture through landscaping modifications.

Other utility relocation coordination will be limited to coordinating with the appropriate facility owners. The consultant will perform subsurface utility exploration, as detailed in this scope of services, share the findings with the respect utilities, but will not prepare any utility improvement plans. All utility relocation will be the responsibility of the respective utility owner. Close

coordination with Fort Bliss and the Corps of Engineers will be undertaken in order to incorporate our site drainage with the existing THC protected drainage arroyo.

Coordinate with EPISD on the proposed schedule of improvements relative to their middle school adjacent to the recreational facility, in relative terms of parking and site access agreements.

Coordinate with the El Paso Central Business Association to have open discussions with the Residents and other Stakeholders about the improvements and potential neighborhood access.

EXHIBIT A

SCOPE OF SERVICES TO BE PROVIDED BY THE CITY OF EL PASO

Sub Task A010: Project Management

1. Provide at no charge to Consultant all existing information, including—but not limited to—site agreement with Army Authorities, EPISD agreements, project limitations, GIS information, high resolution aerial, existing improvement plans, concept plans, master drainage plans, drainage information, boundary information, existing signal layouts, monument locations, and existing building plans.
2. Provide a fixed working construction budget so design team has some design parameter.
3. Review submittals for timely continuation of project.
4. Distribute submittals to appropriate City Personnel for comment and review. Provide Consultant with all comments and clarify conflicting comments.

Sub Task A020: Public Involvement

1. Attend and manage any meeting involving the Army, public and the Residents. The City of El Paso shall provide/distribute invitations to the appropriate City personnel required to attend meetings.
2. Provide public facilities for the public hearings and public meetings.

Sub Task A030: Environmental Reports

1. Review and compile any existing or on-going environmental reports from other City projects. Resolve conflicts in the existing reports or recommendations and provide direction for completion.
2. Provide environmental clearance on any issues that come up with the services of the COEP's independent environmental consultant.

Sub Task A040: Field Surveys and Base Map

1. Provide all existing data including boundary information, topographic and improvement surveys for the site, aerials, GIS shape files, title commitments, project limits, end user lease agreements, and monument information.

Sub Task A050: Subsurface Utility Mapping (SUM) & Subsurface Utility Engineering (SUE)

1. If required, the Consultant Team will provide these services.

Sub Task A060: Site Access Route and Design Studies

1. Review submittals and compile comments.

Sub Task A070: Geotechnical and Soils Evaluation

1. The COEP shall be responsible for assisting CQC to obtain all COEP permits and permissions at no charge, as required to perform our field services within the boring locations.
2. Review submittals and compile comments.

Sub Task A080: Roadway Evaluation and Improvement Design

1. Through, review and approve the Consultant's recommendations and design requirements and design criteria.

Sub Task A090: Localized Drainage Evaluation & Site Drainage Design

1. Provide all known existing drainage information and drainage design criteria.
2. COEP is also expected to sign on the NOI and NOT that will be submitted by the selected contractor to TCEQ for processing during construction activities.
3. Upon commencement of the construction, COEP's selected contractor shall implement and manage the SWPPP.
4. The Consultant Team will provide the site drainage review and improvement recommendations.

Sub Task A100: Signage, Striping Inventory and Design

1. Provide any additional requirements regarding new signing and striping to be applied.
2. Provide direction for sign replacement and protection, including new street parking regulations.
3. Provide current traffic counts for each of the signalized intersections and any other associated intersection of the project.
4. Provide the Consultant with the existing or on-going traffic impact analysis.
5. Provide the Consultant with a commitment of improvements to the surrounding streets for access to the new recreational facility site within and around the Lower Beaumont Property.

Sub Task A105: Traffic Signalization and Traffic Mitigation

1. Provide Consultant all available existing traffic control devices and controllers around the site, including data obtained from the on-going traffic study
2. Review Consultant's recommendation of traffic mitigation of the intersections and proposed entrances and provide a timely decision on accepting the recommendations.

Sub Task A110: Traffic Control Plans and Construction Sequencing

1. Compile comments from SAM and the rest of the City of El Paso Departments. Clarify direction and comments.

Sub Task A120: Electrical and Illumination Review & Design

1. Provide any additional illumination requirements and review consultant's recommendations and plans.

Sub Task A130: Existing Roadway and On-Site Roadway Aesthetics

1. Review and approve design requirements and design criteria.
2. Notify the Consultant whether a Public Art Component will be part of this project.

Sub Task A140: Technical Specifications

1. Review and approve specifications.
2. Provide front-end documentation for specification reproduction.

Sub Task A150: Opinions of Probable Construction Cost

1. Review and approve opinions of probable construction costs.
2. Review and mitigate internally between departments for requirements in order to comply with an adherence to project budget and determine priority items.

Sub Task A160: Contract Document Deliverables

1. Adhere to the number of sets described in sub task B160.
2. Receive and review plans through Bluebeam Document management software.

Sub Task A170: Construction Administration Services

1. Provide consultant with proper information for bid evaluation.

Sub Task A180: Field Engineering and Inspection Services

1. Field Engineering and Inspection Services require the Consultant's involvement during construction. The COEP should notify the Consultant of any major issues as they arise so the Consultant can be prepared to assist the COEP in finding the optimal solution in order to provide the compliance certificate.

EXHIBIT B

SCOPE OF SERVICES TO BE PROVIDED BY THE CONSULTANT

Sub Task B010: Project Management

1. Coordinate all activities with the City of El Paso – Capital Improvement Department (COEP) and with other local, state and federal agencies, as well as all neighborhood associations as necessary.
2. Administer all phases of the project including preparation of invoices, contract/sub-contract administration, monthly progress reports and weekly progress meetings with the design team.
3. Meet with City on a scheduled basis to review project progress.
4. Assign experienced staff members the responsibility of developing the procedures to be implemented during the project as well as preparing the work and to assure compliance with City policies and procedures as well as assuring that work is accomplished to optimally meet all of the COEP's goals and on time.
5. Develop sequence of conceptual plan including elevations, design criteria, and other necessary elements to include the preparation of 2D and 3D renderings for the Design Review Committee (DRC) meetings.

Sub Task B020: Public Involvement

1. Public involvement procedures will be limited to attending up to four public meetings during the design phase of the project and one during construction.
2. Prepare presentation material in reference to phasing and project objectives for public meeting, limited to five (5) color 24" X 36" renderings total.
3. Provide meeting minutes concerning design issues for the City.

Sub Task B030: Environmental Reports

1. Utilize environmental conditions assessment, performed by others, to inform design deliverables.
2. No services related to this subtask will be provided.

Sub Task B040: Field Surveys and Base Map

1. Prepare a Subsurface Utility Map (SUM) based on available record utility mapping to assist in the coordination between all utility companies and the design team. The due-diligence SUM provided will consist of contacting the applicable utility companies and obtaining whatever available information they provide within the project area. This utility information

will be used to begin the preliminary utility map. This initial research and data acquisition is simply a quality level "D" (QL-D) type of research.

2. The Texas 811 notification center will be contacted after the information has been received by the respective utilities. A field recordation of the TESS locations will be integrated into the preliminary utility map and a comparison of the record utilities to the TESS locations will be reviewed and analyzed for potential discrepancies and unknown or undiscovered utilities. Upon review and analysis, a subsurface utility engineering (SUE) designation recommendation will be formulated and the data on the updated utility map will comprise a quality level "C" (QL-C) preliminary utility map.
3. Coordinate underground line spots with Fort Bliss Water Services Company, El Paso Electric Company and Rio Grande Electric Co-Op, Texas Gas Service, AT&T Telephone and Fiber, Spectrum Cable and all other applicable utility companies if potholing service is available by each respective utility.
4. Preparation of final parcel metes and bounds descriptions; area computation sheets; proposed construction easement instruments; and final parcel boundary research is not part of this scope.

Sub Task B050: Subsurface Utility Mapping (SUM) & Subsurface Utility Engineering (SUE)

1. If required, the Consultant, through the FBWSC, will provide the camera inspection of the sewer lines throughout the project.
2. Locate and mark on the surface all known water, sanitary sewer, gas pipeline, telecommunications, and storm water infrastructure.
3. Coordinate the location of test holes. SUM and SUE services will be provided for utility designating with quality level "A" (QL-A) test hole-SUE, where applicable and effective.

Sub Task B060: Sun Metro and Bike Routes

1. Bike Routes:

- a. Meet with City of El Paso to coordinate bike route requirements.
- a. Maintain records of coordination meeting and distribute to city PM.
- b. Incorporate requirements into design, in accordance with NACTO standards.

Sub Task B070: Geotechnical and Soils Evaluation

1. Geotechnical investigation:

- a) As requested, the general subsurface soils evaluation shall consist of drilling a total of nine (18) vertical subsurface exploration borings within the project site to a maximum depth of 15 to 30 feet, each below the existing pavement and demolished building slab surface elevations. The borings shall be drilled to the indicated depths or auger refusal, whichever is shallower. The general boring locations are indicated on the attached Geotechnical General

Subsurface Exploration Boring Location Aerial Plan, Sheet 1 in CQC's proposal. The borings shall be logged in the field by the geotechnical engineering technical staff. While it is not anticipated, if groundwater or water seepage is encountered during field activities, the depth shall be recorded.

- b) The borings shall be drilled in general accordance with standard procedures using a truck-mounted rotary drilling rig utilizing hollow stem augers. During drilling activities Standard Penetration Tests (SPTs), in accordance with ASTM procedures, shall be collected at discrete intervals to the maximum boring depths to estimate the relative field bearing capacity of the subsurface soils. In conjunction with penetration tests, soil samples shall be collected using conventional split-spoon sampling techniques or as required based on the encountered soil conditions.
- c) All collected soil samples from borings shall be properly identified with date, sample location, sample depth and penetration measurements. Representative portions of all obtained samples shall be sealed to prevent moisture loss and transported to the laboratory for further observation and engineering soil classification testing on selected soil samples.
- d) At the completion of field operations, each boring shall be backfilled with auger cuttings and firmly compacted at the ground surface elevation and grouted to at least a depth of 12 inches below the existing asphalt surface elevation. The Team's land surveyor will include exploration boring locations within their scheduled survey points, so that the report can illustrate the ground elevations and coordinates for each exploration boring.
- e) The laboratory engineering soil classification tests shall be limited to soil moisture contents, plasticity index tests, sieve analysis tests, up to five (5) soil moisture-density relationship tests, up to five (5) soil CBR tests, soil swell test, and a single (1) cement stabilized subgrade soil sample test series (includes: up to four (4) plasticity index tests, a single (1) sieve analysis, a single (1) soil moisture-density relationship test and two (2) strength test samples) performed in general accordance with applicable ASTM or TxDOT test procedures. The laboratory tests do not include chemical analysis of collected soil samples for environmental assessment purposes.

2. Soils Investigation Report and Schedule

- a) At the completion of soil exploration drilling activities, soil evaluation and classification testing, a formal written report shall be prepared for the project and provided to the COEP. The soils evaluation report shall provide a boring location plan, subsurface exploration boring logs, laboratory engineering soil classification test results, and geotechnical recommendations to guide the design and specification of site-work soil support improvement, soil allowable end bearing and skin friction resistance values for the design of drill pier lighting foundations, and flexible and rigid pavement section recommendations. The soils report shall also provide recommendations for soil compaction, test frequency guidelines, fill material specification and subgrade stabilization guidelines. Pavement recommendations shall also consider the reuse of existing AC materials and alternative paving materials such as asphaltic-concrete rubber mix designs.
- b) The Team anticipates that drilling activities may commence within fifteen (15) working days from COEP's written notice to proceed and once the street cut and traffic control permits have been secured from the Fort Bliss Directorate and utility lines have been marked at the boring locations. An electronic pre-final review and comment report shall be provided within

three (3) weeks after the completion of field evaluation activities. Two (2) bound copies and an electronic PDF copy of the final report shall be provided once comments are received from pre-final report submittal.

Sub Task B080: Roadway Evaluation and Site Improvement Design

1. Prepare preliminary schematic design indicating existing roadway geometric features, intersection layouts, with proposed cross-sections, sequence and methods of stage construction, signage and lighting requirements, tentative roadway right-of-way limits, typical sections, direction of traffic flow, location and width of travel lanes.
2. Design of bathroom facilities in accordance with attached architect's proposal.
3. Retrofit analysis of an existing building and the retrofit design of a combined maintenance facility and a recreational equipment storage facility in accordance with attached architect's proposal.
4. Review and mitigate THC requirements for the Arroyo.
5. All structural engineering elements for slabs, foundations and footings for the buildings, light-poles and any other structures will be done in accordance with the structural engineer's proposal.
6. Perform all geometric design in accordance with AASHTO Standards, as approved by the COEP.
7. Coordinate and design all shared bike travel lanes in accordance with NACTO.
8. Coordinate and design all parkways in accordance with COEP standards.
9. Prepare roadway sections, intersections, and design cross sections at 50-ft. intervals, or as necessary.
10. Prepare roadway drawings including:
 - Demolition Sheets
 - Horizontal Control Layout Sheets
 - Roadway/Driveway plan/profile sheets
 - Intersection plan sheets
 - Roundabout intersection plan sheets
11. Prepare overall site plans and details including:
 - Coversheet and Index of drawings
 - General Notes
 - Horizontal Control Plan
 - Demolition Plan
 - Overall Site Plan
 - Architectural Plans
 - Recreational Field Plans

- Recreational Field Details
- Roadway/Driveway Typical Section Details
- Roadway/Driveway Plan and Profile Sheets
- Special Construction Details
- Field Illumination Plan and Typical Details
- Site Illumination Plan and Typical Details
- Landscape Plan & Typical Details
- Special Landscape Details
- Field Irrigation Layout Plans & Typical Details
- Field Irrigation Special Details
- Site Irrigation Layout
- Site Irrigation Plans & Typical Details
- Site Irrigation Special Irrigation Details
- Signage and Striping Layout Plan
- Signage and Striping Typical Details
- Building Mechanical Plans & Details
- Building Electrical Plans & Details
- Building Plumbing Plans & Details
- Accessibility Review Plan
- Storm Water Pollution Prevention Plan
- Technical Specifications.

Sub Task B090: Localized Drainage Evaluation & Site Drainage Design

1. Perform a localized and minor hydrologic/hydraulic study (basis of design calcs) for the localized on-site project area during the preliminary design phase in order to determine that the originally designed drainage areas, runoff rates, expected flows and existing storm water infrastructure facilities are still adequate based on current storm water standards.
2. The basis of design calcs will show the employed methodologies, assumptions, and hydraulic computations for required drainage improvements, including any anticipated existing and proposed separate storm water sewer system improvements.
3. Identify and develop drainage areas in the form of a drainage plan.
4. Prepare plans (drawings) in AutoCAD format that include:
 - Drainage Computation Sheets
 - Drainage conveyance system overall sheet
 - Storm sewer plan/profile sheets (Scale: H: 1" : 30', V: 1" : 5')
 - Drainage structure plan/profile sheets
 - Drainage details/standards
 - Special drainage mitigation plans for historically protected arroyo
5. Prepare Storm Water Pollution Prevention Plans (SWPPP) for the project in accordance with the Texas Commission on Environmental Quality (TCEQ), the City of El Paso Municipal Code requirements, and the Fort Bliss Directorate. The SWPPP will be prepared for the proposed project improvements only. Best Management Practices (BMP) will be utilized for the project improvements only.

6. Submit SWPPP Application Package to the City of El Paso for review and approval of the submittal and coordinate the approval or mitigation with the City of El Paso.
7. Prepare the Application package for the Notice of Intent (NOI). Client is expected to sign the application and the selected Contractor will submit Notice of Intent (NOI) and the Notice of Termination (NOT) to TCEQ for processing.

Sub Task B100: Signage, Striping Inventory and Design

1. A photographic and digital inventory of the existing traffic signing, markings and parking spaces in place, etc. will be performed in order to help establish a total parking count for the site. The deliverable will be a spreadsheet containing a listing of the recorded observations as well as a CD-ROM with the photographed signs. The spreadsheet will contain the type and number of traffic control appurtenances, signs, the significant pavement markings, and the quantifiable parking spaces.
2. Coordinate with SAM. The deliverable will be minutes and notes of any meeting(s) held with SAM. These materials will be delivered in PDF format.
3. Design of the signing and marking plans. Design the new or upgrade of traffic signs in all the project site, design the new pavement markings that are to be placed on the project site. The plan development also includes providing of standards, specifications, and opinion of cost for all the traffic planning development scope of this task.
4. Prepare drawings including:
 - Signing and markings layout
 - Signing/markers/striping details/standards

Sub Task B105: Traffic Signalization and Traffic Mitigation

1. An inventory of the existing traffic control devices and controllers will be performed around the site. Data obtained from the on-going traffic study.
2. Coordinate with SAM. The deliverable will be minutes and notes of any meeting(s) held with SAM. These materials will be delivered in PDF format.
3. Follow Scope as presented by Sub-Consultant LEE Engineering (See Attached)

Sub Task B110: Traffic Control Plans (TCP) and Construction Sequencing

1. Prepare Traffic Control Plans conforming to the Texas Manual on Uniform Traffic Control Devices, for all roadway work within the project limits.
2. List the existing and proposed temporary traffic control devices that will be used to handle traffic during each construction sequence. Include temporary signals, regulatory signs, warning signs, construction warning signs, guide signs, route markers, construction pavement markings, channelizing devices, portable changeable message signs, flashing arrow boards, barricades, barriers, etc.

3. List the proposed traffic control devices (stop signs, signals, flag personnel, etc.) for at grade intersections during each construction sequence.
4. Develop sequence of construction and method of handling traffic during each construction phase; and prepare presentation for the Design Review Committee (DRC) meeting.
5. Prepare drawings to include:
 - Sequence/Narrative of construction layouts;
 - TCP Line Diagram;
 - Detour plan/typical sections/quantities; and
 - TCP Typical Details.
6. Develop road construction schedule and work hours. While accelerated work schedule is not anticipated, the City will address and provide information regarding the use of acceleration techniques, such as extended work hours, incentives, etc only if required.
7. Provide analysis or improvements for school district access or drop off facilities or street parking or deceleration lanes in designated areas. Other street parking will remain as existing or introduced as directed by SAM or as recommended.

Sub Task B120: Electrical and Illumination Review & Design

1. Standard dark sky compliant street illumination will be designed in accordance with Code.
2. Field lighting will be compliant to the current City standards for the recreational fields.
3. Electrical design for the restroom facilities will be provided
4. Prepare drawings to include:
 - Electrical design line diagrams
 - Preparation of a design analysis at preliminary design, pre-final design and final design
 - Electrical & Park Lighting Design – Designed to COEP Park Standards
 - Coordination with EPE for service agreements and connections
 - Electrical design plans/typical details
 - Electrical design specifications/quantities

Sub Task B130: Existing Roadway and On-Site Aesthetics: Landscaping & Irrigation

1. In general an inventory of existing landscaping along the proposed improvement corridor, along with an aesthetic report and recommendations along with the preliminary design.
2. Prepare landscape and irrigation design drawings for both recreational fields and general site landscaping based on the following concepts:
 - All proposed plantings will be Xeriscape shrubs and trees.
 - Areas that can be fully preserved will remain in tact.
 - Areas that need sprucing up will be targeted for compatible landscaping.

- All planting will be watered by an automatic drip system controlled by automatic controllers.
3. The complete landscaping scope of work is attached herein with the subconsultant's scope of work.
 4. Coordination with the CID, SAM, Fort Bliss designated officials, FBWSC, El Paso Electric Company, and Rio Grande Coop.
 5. Prepare drawings to include:
 - Landscape Plan & Typical Details
 - Special Landscape Details
 - Field Irrigation Layout Plans & Typical Details
 - Field Irrigation Special Details
 - Limited Site Irrigation Layout
 - Limited Site Irrigation Plans & Typical Details
 - Limited Site Irrigation Special Irrigation Details
 - Design analysis, specifications and opinions of costs at submittals

Sub Task B140: Technical Specifications

1. Standard City Specifications will be used for all improvement plans.
2. Provide technical specifications for all aspects of the work, in accordance with City specifications.
3. Prepare general notes, typical and specific details as per City Standards.

Sub Task B150: Opinions of Probable Construction Cost

1. Develop construction quantity estimates and Opinions of Probable Construction Cost (OPCC) for the project at the preliminary schematic design and each phase of design.
2. Prepare estimate and quantity sheets (drawings).
3. The OPCC will be based on the latest City unit prices. The unit prices will reflect the date of preparation of the OPCC and the Consultant has no control over external factors that affect the cost of labor and materials.
4. Provide an opinion of probable construction costs at every submittal at approximately 7 days after each submittal. The opinion will include Civil, Traffic, Electrical and Landscaping elements of the project. The submittals include:
 - Conceptual cost estimate at the Concept Layout Design Phase;
 - Preliminary Design Phase;
 - Pre-Final Design Phase; and,
 - Final Design Phase.

Sub Task B160: Contract Document Deliverables

1. City and Fort Bliss Official's approvals shall ultimately dictate design schedule.
2. Concept Layout Design Plans/Sketches:
 - Provide (1) digital PDF copy.
 - Provide one (1) PDF copy of Engineer's Opinion of Probable Construction Costs.
3. Preliminary Design Phase:
 - Provide one (1) PDF copy of preliminary design documents
 - Provide one (1) PDF copy of Engineer's Opinion of Probable Construction Costs.
4. Pre-Final Design Phase
 - Provide one (1) PDF copy of pre-final design drawings and specifications.
 - Provide one (1) PDF copy of Engineer's Opinion of Probable Construction Costs.
5. Final Design Phase
 - Provide one (1) PDF copy of final design documents including project plans and specifications.
 - Provide one (1) PDF copy of Engineer's Opinion of Probable Construction Costs.
 - Provide one (1) PDF copy of final bidding documents including project plans and specifications.

Sub Task B170: Construction Administration Services (No Fee has been rendered yet until final design is approved to determine what will actually be awarded and built)

1. Attend pre-construction conference.
2. Perform construction site visits and prepare reports as necessary.
3. Assist in the coordination of change orders and work directive changes by rendering opinion of the compatibility of the proposed change orders.
4. Assist in the resolution of design related construction issues, drawing clarification and Contractor requests for information in order to provide a final certificate of compliance by the design professional.
5. Compile and deliver to the City a complete set of record documents conforming to information furnished to the Engineer by the Contractor including one set of mylars (3 mil) for the record drawings on electronic file (AutoCAD).
6. Unless otherwise requested, Engineer's services are exclusive of attending regularly scheduled construction meetings, make periodic visits to the project site (other than bi-monthly visits), construction inspections, monthly reports, shop drawing review, monitoring

schedule, or any other routine construction administration services. All of these are on a time and materials basis.

Sub Task B180: Field Engineering and Inspection Services

1. Field Engineering and Inspection Services are not part of these scope of services yet, and can be further identified by having a better picture as to what the COEP decides to fund with the Final Design.

**LEE ENGINEERING, LLC
TRAFFIC ENGINEERING**

**SCOPE OF WORK
FOR
LOWER BEAUMONT FACILITY IMPROVEMENTS
CITY OF EL PASO
SOLICITATION # 2020-073R**

The City of El Paso (COEP) will be developing the property known as the Lower Beaumont Property. The Lower Beaumont Property improvements are composed of designing and constructing a recreational facility that will include a hiking/biking trail; unimproved recreational space; four to five flat recreational/athletic turf fields; irrigation; and infrastructure shared for all fields including seating areas; lighting; parking; site access/infrastructure improvements; recreational equipment storage; maintenance facility; and restrooms. The COEP will ultimately enter a long-term lease agreement with the Army for the 70-acre portion of Fort Bliss property adjacent to Fred Wilson Avenue and Dyer Street as illustrated in Exhibit B.

Lee Engineering, LLC (LEE), as a subconsultant to Brock & Bustillos through Solicitation # 2020-073R, will provide traffic engineering services and lighting design services for roadways and trails for the project to evaluate the traffic impact analysis related to the development and provide recommendations, horizontal design of roundabouts, review of signing and striping on internal roads, and internal street and trail lighting. Some of the major improvements may include providing a roundabout at the Russel/Fred Wilson intersection; as well as other infrastructure improvements.

EXHIBIT A

SCOPE OF WORK TO BE PROVIDED BY THE LEE ENGINEERING, LLC

Sub Task A010: Project Management and Coordination

1. With Project team, meet with the COEP on a scheduled basis to review project progress.
2. Attend up to 2 internal team meetings per month held among the project team as they pertain to traffic engineering tasks. team meetings and collaborate on evaluations, recommendations and design plans with other team members
3. Conduct an internal quality control of all of its production plans. Internal redlines will be documented and addressed prior to submittal. All internal redlines will be archived for future reference.
4. Attend kickoff meetings, conceptual, preliminary design, pre-final design, and final design review meetings with the COEP
5. Prepare 2D and 3D renderings of traffic engineering Project elements for the City Design Review (CDR) meetings.

Sub Task A020: Public Involvement

1. Attend up to four public meetings during the design phase of the project and one during construction.
2. Prepare presentation material for traffic engineering elements in reference to phasing and project objectives for public meeting, limited to five (5) color 24" X 36" renderings total.

Sub Task A080: Roadway and Site Improvement Evaluation

1. Field Review:
 - a. Confirm in-field inventory of all existing roadways and traffic engineering related infrastructure within the site.
2. Review ongoing Traffic Impact Analysis for Lower Beaumont Property and provide additional recommendations for improvements.
3. Review traffic mitigation of three intersections (Fred Wilson Ave/Russell St, the connection at Pipes Dr, and the connection with EPISD intersection to Pipes Dr) to implement roundabouts. The concept development also includes providing preliminary standards, specifications, and opinion of cost for the traffic mitigation planning improvements for this scope of work.
 - a. Intersection Capacity Analysis
 - i. LEE will perform roundabout capacity analysis for horizon year designated by the COEP for the Russell/Fred Wilson intersection, the connection at Pipes Dr, and the connection with the EPISD intersection to Pipes Dr to determine the estimated level of service and amount of delay projected for the intersection. LEE will confirm with Brock & Bustillos the roundabout lane

configurations to be included in the analysis. Two (2) distinct lane configuration scenarios will be evaluated.

4. Prepare preliminary schematic conceptual for access and site intersection layouts in AutoCAD format:
 - a. Roundabouts at Russell/Fred Wilson intersection, the connection at Pipes Dr, and the connection with the EPISD intersection to Pipes Dr to include signage and lighting requirements and horizontal intersection geometrics
5. Perform preliminary lighting design tasks for all internal streets and trail lighting to include lighting analyses of existing infrastructure based on fixture types, lighting placement, frequency and intensity requirements within the project extents. Lighting maps documenting lighting placement and intensity will be provided with the preliminary lighting plan set using AGi32 software.
 - a. Provide a conceptual layout of the street illumination based on the analysis
6. With Project Team, meet with COEP to review the following:
 - a. Three Roundabout Concepts
 - b. Conceptual Street Illumination Layout
7. Perform all traffic control conceptual designs in accordance with Texas MUTCD Standards, as approved by the COEP.
8. Perform all horizontal geometric conceptual design in accordance with AASHTO Standards, as approved by the COEP.
9. Review Conceptual Design for the roadways and site improvements related to traffic engineering provided by Brock & Bustillos

Sub Task A100: Signage, Striping and Traffic Signalization and Mitigation

1. Review project signing and marking plans produced by Brock & Bustillos.
2. Review drawings produced by Brock & Bustillos including:
 - Signing and markings layout
 - Signing/markers/striping details/standards

Sub Task A105: Traffic Signalization, Traffic Mitigation and Design

1. Provide final recommendations and design for traffic mitigation of three roundabout intersections. The designs include providing of standards, specifications, and opinion of cost for the traffic mitigation planning improvements for this scope of work.
 - a. Horizontal design (Brock & Bustillos to perform vertical design and drainage design) of roundabouts at:
 - i. Russell/Fred Wilson intersection
 - ii. The connection at Pipes Dr
 - iii. The connection with the EPISD intersection to Pipes Dr
2. With Project Team, meet with COEP to review designs of the following:
 - a. Three Roundabout Concepts

3. Perform all traffic control designs in accordance with Texas MUTCD Standards, as approved by the COEP.
4. Perform all horizontal geometric conceptual design in accordance with AASHTO Standards, as approved by the COEP.
5. Review design for the roadways and site improvements related to traffic engineering provided by Brock & Bustillos
6. Provide AutoCAD linework that includes the horizontal design of the following:
 - a. Russell/Fred Wilson roundabout intersection
 - b. The connection at Pipes Dr
 - c. The connection with the EPISD intersection to Pipes Dr
7. Provide brief summary of Engineering Design Basis

Sub Task A110: Traffic Control Plans (TCP)

1. Review Traffic Control Plans developed by Brock & Bustillos for all roadway work within the project limits, including temporary signals
2. Review drawings developed by Brock & Bustillos to include:
 - Sequence/Narrative of construction layouts;
 - TCP Line Diagram;
 - Detour plan/typical sections/quantities; and
 - TCP Typical Details.

Sub Task A120: Electrical and Illumination Review & Design

1. Standard dark sky compliant street illumination will be designed in accordance with Code.
2. Field Review:
 - a. Confirm any existing street lighting as well as associated power sources, pullboxes and conduit runs within the site
3. Upon review of the lighting analysis, lighting needs will be recommended for design for all internal roads and trail lighting. Roadway and trail lighting will be designed per the latest standards which will incorporate LED fixtures and aluminum conductors. Time and effort will be apportioned to coordination with the local power company to determine existing power sources, available circuitry, and locations for potential new power sources, if needed. This will include one field meeting with the power utility to discuss and coordinate in addition to email and phone conferencing. Lighting designs will include the placement of lighting poles along the corridor, determination of required/approved LED fixtures, pullbox locations, conduit placement and preliminary power source and meter placements will be based on Brock & Bustillos provided topographic survey and roadway/bridge design files, and SUE files. A preliminary design level cost estimate will be provided with lighting layout sheets.
 - a. Preparation of lighting plans will require base files to be provided by Brock & Bustillos including topographic survey, utilities, proposed and roadway design.

4. Prepare drawings to include:
 - Street Illumination Design and Trail Illumination Design

Sub Task A140: Technical Specifications

1. Standard City Specifications will be used for all improvement plans.
2. Provide technical specifications for all aspects of the work, in accordance with City specifications.
3. Prepare general notes, typical and specific details as per City Standards.

Sub Task A150: Opinions of Probable Construction Cost

1. Develop construction quantity estimates and Opinions of Probable Construction Cost (OPCC) for the project at the preliminary schematic design and each phase of design for Traffic Engineering and Roadway/Trail Lighting drawings
2. Prepare estimate and quantity sheets for Traffic Engineering and Roadway/Trail Lighting drawings.
3. The OPCC will be based on the latest City unit prices. The unit prices will reflect the date of preparation of the OPCC and the Consultant has no control over external factors that affect the cost of labor and materials.
4. Provide an opinion of probable construction costs at every submittal at approximately 7 days after each submittal. The opinion will include Traffic Engineering and Roadway/Trail Lighting elements of the project. The submittals include:
 - Conceptual cost estimate at the Concept Layout Design Phase;
 - Preliminary Design Phase;
 - Pre-Final Design Phase; and,
 - Final Design Phase.

Sub Task B160: Contract Document Deliverables

1. COEP and Fort Bliss Official's approvals shall ultimately dictate design schedule.
2. Concept Layout Design Plans/Sketches:
 - Provide up to five (5) copies of Plans & Sketches and one (1) digital PDF copy.
 - Provide one (1) Engineer's Opinion of Probable Construction Costs.
3. Preliminary Design Phase:
 - Provide up to five (5) copies of preliminary design documents (24" X 36" drawings for City Drawings).
 - Provide one (1) Engineer's Opinion of Probable Construction Costs.
4. Pre-Final Design Phase

- Provide up to five (5) sets of pre-final design drawings and five (5) copies of specifications.
- Provide up to one (1) Engineer's Opinion of Probable Construction Costs.

5. Final Design Phase

- Provide up to five (5) sets of final design documents including project plans and specifications.
- Provide up to five (5) copies of final opinion of probable construction cost.
- Provide one reproducible set of bidding documents including plans and specifications.
- Provide up to one (1) set of final bidding documents including project plans and specifications.

Sub Task B170: Construction Administration Services

1. Construction Administration Services are not part of this scope. However, if necessary, LEE can provide this service through an amendment to the scope of work and budget.

Sub Task B180: Field Engineering and Inspection Services

2. Field Engineering and Inspection Services are not part of this scope. However, if necessary, LEE can provide this service through an amendment to the scope of work and budget.

EXHIBIT A – LOWER BEAUMONT RECREATIONAL FACILITY IMPROVEMENT AREA

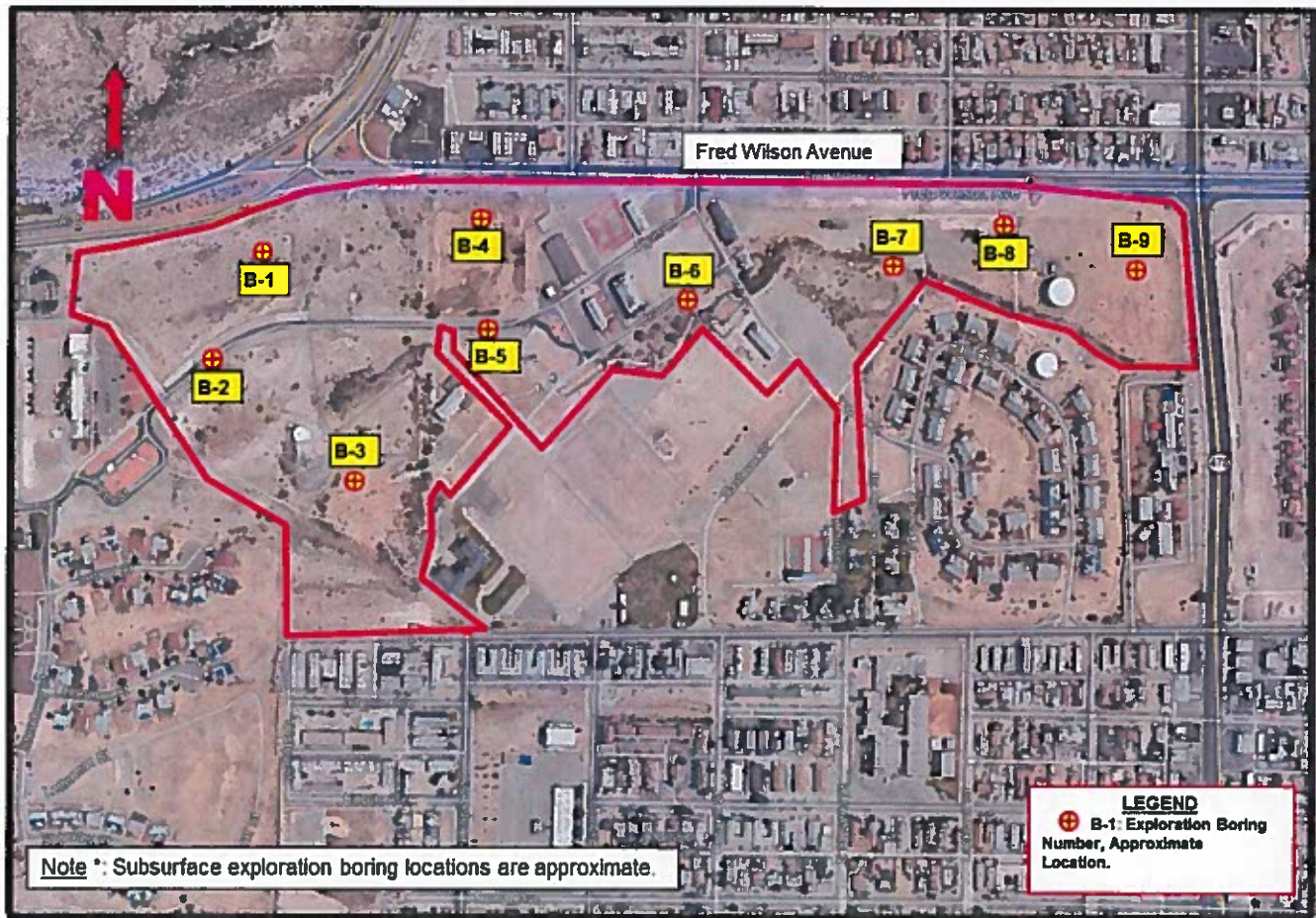


Recreational Facility at Lower Beaumont Property
Improvements
Scope of Services

19-1004-1040/PL#955200
AE Agreement – Architect and Engineering Services – Lower Beaumont
Brock and Bustillos, Inc./SMC

October 30, 2019
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BROCK & BUSTILLOS INC.

EXHIBIT B – SOILS EXPLORATION BORING LOCATIONS



Recreational Facility at Lower Beaumont Property
Improvements
Scope of Services

19-1004-1040/PL#955200
AE Agreement – Architect and Engineering Services – Lower Beaumont
Brock and Bustillos, Inc./SMC

October 30, 2019
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BROCK & BUSTILLOS INC.

ATTACHMENT "B"
CONSULTANT'S FEE PROPOSAL AND HOURLY RATES

BROCK & BUSTILLOS INC.
PROJECT BUDGET
SUMMARY SHEET

PROJECT NAME:	Recreational Facility at Lower Beaumont Property Improvements		
PROPOSAL NUMBER:	2019-1103-REV3		
REVISION DATE:	12/12/2019		
DESIGN FEE TYPE:	Lump Sum		
PREPARED BY:	Roman Bustillos, PE, CNU-A		
PROJECT MGR:	Roman Bustillos, PE, CNU-A		
1 - CONCEPT LAYOUT DESIGN PHASE			
B&B ENG LABOR:	\$	40,819.00	
B&B SURV LABOR:	\$	-	
SUB-CONSULTANTS:	\$	114,994.62	
INVESTIGATIVE / CONCEPT LAYOUT FEE:		\$	155,813.62
2 - PRELIMINARY DESIGN PHASE			
B&B ENG LABOR:	\$	66,228.00	
B&B SURV LABOR:	\$	-	
SUB-CONSULTANTS:	\$	98,971.94	
DESIGN FEE:		\$	165,199.94
3 - PRE-FINAL DESIGN PHASE			
B&B ENG LABOR:	\$	58,583.00	
B&B SURV LABOR:	\$	-	
SUB-CONSULTANTS:	\$	94,152.18	
DESIGN FEE:		\$	152,735.18
4 - FINAL DESIGN PHASE			
B&B ENG LABOR:	\$	40,958.00	
B&B SURV LABOR:	\$	-	
SUB-CONSULTANTS:	\$	81,607.54	
DESIGN FEE:		\$	122,565.54
5 - BID PHASE			
B&B ENG LABOR:	\$	4,790.00	
SUB-CONSULTANTS:	\$	13,947.71	
BID PHASE DIRECT EXPENSES:	\$	7,738.91	
DIRECT COSTS MARKUP:	8% \$	819.11	
SUBCONSULTANT MARKUP:	3% \$	418.43	
BIDDING COSTS:		\$	27,514.16
6 - CONSTRUCTION PHASE			
B&B ENG LABOR:	\$	-	
B&B SURV LABOR:	\$	-	
SUB-CONSULTANTS:	\$	-	
CONST. PHASE DIRECT EXPENSES:	\$	-	
DIRECT COSTS MARKUP:	8% \$	-	
SUBCONSULTANT MARKUP:	3% \$	-	
CONSTRUCTION COSTS:		\$	-
OTHER DIRECT COSTS			
FINAL DESIGN DIRECT EXPENSES:	\$	14,254.79	
DIRECT COSTS MARKUP:	8% \$	1,140.38	
SUBCONSULTANT MARKUP:	3% \$	11,691.79	
OTHER DIRECT COSTS:		\$	27,086.96

TOTAL SUBCONSULTANT'S FEES:

MEP	RBM Engineering, Inc.	\$	37,363.00
Geotechnical Engineer	CQC Testing and Engineering, L.L.C.	\$	27,400.00
Subsurface Utility Engineering	Cobb Fendley & Associates, Inc.	\$	33,260.00
Landscape Architecture & Irrigation	Sites Southwest	\$	125,890.20
ADA/RAS Consultant	Lattice Blue	\$	8,656.88
Architecture	Exigo	\$	44,157.93
Traffic Engineering	Lee Engineering Inc.	\$	107,745.96
Structural Engineering	HKN Engineers	\$	19,200.00
Subconsultant Markup		\$	11,691.79
		\$	415,365.75

B&B DESIGN LABOR FEE	\$	206,586.00
B&B SURVEY LABOR FEE	\$	-
SUBCONSULTANT'S DESIGN LABOR FEES	\$	389,726.27
BID LABOR COSTS	\$	27,514.16
CONSTRUCTION ADMIN LABOR COSTS	\$	-
OTHER DIRECT COSTS	\$	27,086.96
TOTAL CONTRACT AMOUNT	\$	650,913.39

BROCK & BUSTILLOS INC.
PROJECT BUDGET
OVERALL DETAIL SHEET

PROJECT NAME	Residential Facility at Lower Merion Property Improvements				12/15/2019
ITEM	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
1.00	Site Preparation	1.00	sq ft	1.00	1.00
2.00	Foundation	1.00	sq ft	1.00	1.00
3.00	Framing	1.00	sq ft	1.00	1.00
4.00	Roofing	1.00	sq ft	1.00	1.00
5.00	Exterior Siding	1.00	sq ft	1.00	1.00
6.00	Windows	1.00	sq ft	1.00	1.00
7.00	Doors	1.00	sq ft	1.00	1.00
8.00	Interior Siding	1.00	sq ft	1.00	1.00
9.00	Plumbing	1.00	sq ft	1.00	1.00
10.00	Electrical	1.00	sq ft	1.00	1.00
11.00	HVAC	1.00	sq ft	1.00	1.00
12.00	Painting	1.00	sq ft	1.00	1.00
13.00	Landscaping	1.00	sq ft	1.00	1.00
14.00	Site Work	1.00	sq ft	1.00	1.00
15.00	Permitting	1.00	sq ft	1.00	1.00
16.00	Insurance	1.00	sq ft	1.00	1.00
17.00	Contingency	1.00	sq ft	1.00	1.00
18.00	Subtotal	1.00	sq ft	1.00	1.00
19.00	Grand Total	1.00	sq ft	1.00	1.00

INVESTIGATIVE / CONCEPT LAYOUT

[illegible]

PROJECT NAME		Recreational Facility at Lower Mountain Property Improvements							TOTAL HOURS	
Project #	2016-100-001	Project Engineer Randy P. Borch, PE	Project Manager Ramon Martinez, PE	Project Engineer Hector Martinez, PE	Senior Civil Designer Alexa Borgeas	Engineering Design Technician Michelle Montenegro	Engineering CAD Drafter/Plotter Jorge Saldaña	Administrative Assistant Valeria Castillo	TOTAL HOURS	
		\$100.00	\$100.00	\$100.00	\$100.00	\$50.00	\$75.00	\$50.00		
Task 10 -	Review Foundation and Site Improvement Design									
	1. Prepare preliminary site plan showing existing roadway geometry features, intersection details with proposed cross-sections, sequence and materials of site preparation, signage and lighting requirements, including roadway right-of-way limits, signal systems, direction of traffic flow, location and width of travel lanes, and overall roadway geometry		1.0	0.0	3.0	0.0	10.0			14.0
	2. Design of roadway layout and site plan with attached geotechnical report									0.0
	3. Design of the mechanical equipment storage facility in accordance with attached architect's proposal									0.0
	4. Review and prepare final requirements for Sign, FRT in accordance with attached architect's proposal		1.0	0.0			10.0	2.0		13.0
	5. All structural engineering elements for slabs, foundations and footings for the subgrade, excavations, light poles and any other structures will be done in accordance with the structural engineer's proposal.									0.0
	6. Complete horizontal and vertical alignment for any proposed roadway and driveway		1.0	2.0	3.0					6.0
	7. Review all proposed design in accordance with AutoCAD standards as approved by the City		1.0	2.0	3.0					6.0
	8. Prepare and submit all required documents to the City of El Paso for review and approval of the project		1.0	2.0	3.0					6.0
	9. Prepare and submit all required documents to the City of El Paso for review and approval of the project		1.0	2.0	3.0					6.0
	10. Prepare roadway sections, elevations, and design cross sections of the site, including, but not limited to:		3.0	3.0	4.0		0.0			10.0
	11. Prepare roadway drawings including:									
	a. Utility Survey Map for all design purposes									
	b. Grading Plans									
	c. Roadway/Driveway Layout Plans			0.0	0.0	0.0	10.0			10.0
	d. Roadway/Driveway Plan and Profile Sheets									
	e. Roadway/Driveway Plan and Profile Sheets									
	f. Roadway/Driveway Plan and Profile Sheets									
	g. Roadway/Driveway Plan and Profile Sheets									
	h. Roadway/Driveway Plan and Profile Sheets									
	i. Roadway/Driveway Plan and Profile Sheets									
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	ag. Roadway/Driveway Plan and Profile Sheets									
	ah. Roadway/Driveway Plan and Profile Sheets									

PROJECT BUDGET SHEET-DETAILED SCOPE-HOURS
Brock & Bustillos Inc.

PROJECT NAME:		Recreational Facility at Lower Escondido Property Improvements							12/15/2019
Project #	2019-1105-REVS	Project Engineer	Project Manager	Project Engineer	Senior Civil Designer	Engineering Design Technicians	Engineering CAD Draftsman	Administrative Assistant	TOTAL HOURS
		Randy P. Brown, PE	Ramon Bustillos, PE	Heather Martinez, PE	Aaron Espinoza	Marlene Montalvo	Jorge Saldaña	Valerie Castillo	
		\$200.00	\$140.00	\$140.00	\$110.00	\$60.00	\$10.00	\$45.00	
Task 120	Develop Preliminary and Detailed Engineering Landscaping & Irrigation								
	1. Develop preliminary and detailed engineering landscaping and irrigation designs for the proposed improvements, along with an estimate report and recommendations along with the preliminary design.								0.0
	2. Prepare landscape and irrigation design drawings for both recreational fields and general site landscaping based on the following criteria:								0.0
	- All proposed plantings will be hardy species and trees.								
	- Areas that are fully preserved will remain as is.								
	- Areas that need clearing up will be designed for compatible landscaping.								
	- All plantings will be installed by an automatic drip system controlled by automatic controllers.								
	3. The landscape landscaping design of which is attached hereto with the subcontractor's scope of work.								0.0
	4. Coordination with the City (EPOC) for all Class designated streets, PVA, etc. (at Paso Verde Campground, and the Grande Camp).								0.0
	5. Prepare drawings to include:								
	- Landscape Plan & Typical Details								
	- General Landscape Details								
	- Field Irrigation Layout, Plans & Typical Details								
	- Field Irrigation Spacing Details								0.0
	- Site Irrigation Layout								
	- Site Irrigation Plans & Typical Details								
	- Site Irrigation Spacing Details								
	- Design analysis, specifications and reports of results of analysis.								0.0
	- Construction schedule								0.0
	- Estimate of all materials, labor, and equipment.								0.0
	- JAVOC								0.0
Task 121	Sub-Task 121 - Task 120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Task 122	Technical Specifications								
	1. Develop City Specifications will be used for all improvements plans.								0.0
	2. Provide technical specifications for all aspects of the work, in accordance with City specifications.								0.0
	3. Prepare general notes, typical and special details as per City Standards.								0.0
	4. Coordinate with the City for all improvements.								0.0
	5. Prepare Task Book.								0.0
	6. Coordination of all drawings with the City.								0.0
	7. JAVOC								0.0
Task 123	Sub-Task 123 - Task 122	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Task 124	Options of Probable Construction Costs								
	1. Develop construction quantity estimates and Options of Probable Construction Costs (EPOC) for the cost of the preliminary schematic design and each phase of design.								0.0
	2. Prepare estimate and quantity sheets (drawings).								0.0
	3. The EPOC will be based on the latest City and areas. The unit prices will reflect the date of preparation of the EPOC and the Consultant has no control over actual factors that affect the cost of labor and materials.								0.0
	4. Provide an option of probable construction costs at every submittal at approximately 7 days after each submittal. The option will include City Traffic, Electrical and Landscaping elements of the project. The submittal will include:								0.0
	- Conceptual cost estimate at the Concept Layout Design Phase		2.0	4.0					6.0
	- Preliminary Design Phase								0.0
	- Pre-Feasibility Design Phase								0.0
	- Final Design Phase								0.0
	5. JAVOC								0.0
Task 125	Sub-Task 125 - Task 124	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Task 126	Technical Specifications								
	1. City and State Office is responsible for all technical specifications.								0.0
	2. Concept Layout Design Phase/Drawings								0.0
	Provide up to five (5) copies of Plans & Specifications and one (1) digital PDF copy.		1.0	0.0	4.0		1.0	2.0	8.0
	Provide one (1) Engineer's Option of Probable Construction Costs.								0.0
	3. Preliminary Design Phase								0.0
	Provide up to five (5) copies of preliminary design documents (2" x 30" drawings for City Drawings).								0.0
	Provide one (1) Engineer's Option of Probable Construction Costs.								0.0
	4. Pre-Feasibility Design Phase								0.0
	Provide up to five (5) copies of pre-feasibility design drawings and five (5) copies of specifications.								0.0
	Provide up to one (1) Engineer's Option of Probable Construction Costs.								0.0
	5. Final Design Phase								0.0
	Provide up to five (5) copies of final design documents including general plans and specifications.								0.0
	Provide up to five (5) copies of final design documents including general plans and specifications.								0.0
	Provide one (1) copy of final design documents including general plans and specifications.								0.0
	Provide up to one (1) copy of final design documents including general plans and specifications.								0.0
	6. JAVOC								0.0
Task 127	Sub-Task 127 - Task 126	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Task 128	Construction Administration Services								
	1. Assist in the coordination of change orders and work change orders by reviewing requests of the contractor.								0.0
	2. Assist in the coordination of change orders and work change orders by reviewing requests of the contractor.								0.0
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PROBABILITY OF SCUM

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PROJECT BUDGET SHEET-DETAILED SCOPE-HOURS
Brock & Bustillos Inc.

PROJECT NAME:		Recreational Facility at Lower Ballantyne Property Improvements							3/31/2018
Proposal #	2018-1100-REV3	Principal Engineer	Project Manager	Project Engineer	Senior Civil Designer	Engineering Design Technician	Engineering CAD Draftsman	Administrative Assistant	TOTAL HOURS
		Randy P. Grant, PE	Ramon Bustillos, PE	Heather Martinez, PE	Alan Espinoza	Mitchell Montalvo	Jerome Saldaña	Victoria Castillo	
		\$200.00	\$100.00	\$140.00	\$120.00	\$80.00	\$70.00	\$60.00	
Task 126	Recreational Facility and On-Site Restaurant Landscaping & Irrigation								
	1.3a. general on inventory of existing landscaping along the proposed improvement corridor along with an aesthetic report and recommendations along with the improvement design.								0.0
	2. Prepare landscape and irrigation design drawings for both recreational fields and general site landscaping based on the following concepts:								0.0
	-All proposed plantings will be native/semi-native shrubs and trees.								0.0
	-Areas that can be fully preserved will remain in tact.								0.0
	-Areas that need replanting will be targeted for transplantable landscaping.								0.0
	-All plantings will be installed by an automatic drip system controlled by automatic controllers.								0.0
	3. The complete landscaping scope of work is attached herein with the subcontractor's scope of work.								0.0
	4. Coordination with the City, BPDOT, Fort (Bios) engineering offices, FWSBC, (B) Pine Bluffs Company, and Rio Grande Corp.								0.0
	5. Coordination with JACO								0.0
	6. Coordinate with the City, BPDOT, Fort (Bios) engineering offices, FWSBC, (B) Pine Bluffs Company, and Rio Grande Corp.								0.0
	7. JACO								0.0
Task 140	Final Design								
	1. Standard City Specifications will be used for all improvement plans.								0.0
	2. Provide technical specifications for all aspects of the work in accordance with City specifications.								0.0
	3. Prepare general notes, schedule and details sheets for the City Engineer.								0.0
	4. Prepare notes of design.								0.0
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[illegible]

PROJECT NAME		Recreational Facility at Lower Burnham Property Improvements							TOTAL HOURS	
Proposed By	2019-110-REV3	Project Engineer	Project Manager	Project Engineer	Senior Civil Designer	Engineering Design Technician	Engineering CAD Drafter/Plotter	Administrative Assistant		10/1/2019
		Ready P. Grant, PE	Ramon Gutierrez, PE	Heather Burkhardt, PE	Alan Saporito	Michaela Montenegro	Jorge Saldaña	Valerie Costello		
Task 50 -	Pre-design Evaluation and Site Improvement Design	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00		
	1. Prepare preliminary information design including existing roadway geometry features, intersection details, with proposed area-elevation, sequence and methods of slope construction, signage and lighting recommendations, tentative roadway right-of-way limits, typical sections, direction of traffic flow, location and width of travel lanes, and overall roadway improvements									0.0
	2. Design of the proposed facility to be consistent with approved site plan									0.0
	3. Design of the proposed facility to be consistent with approved site plan									0.0
	4. Design of the recreational equipment storage facility in accordance with attached exhibit's proposal									0.0
	5. Review and integrate TMC requirements for Sign 1167 in accordance with attached exhibit's proposal	2.0		2.0			4.0	3.0		10.0
	6. All structural engineering elements for access, foundations and footings for the buildings, replacement, light poles and any other structures will be done in accordance with the structural engineer's proposal									0.0
	7. Develop horizontal and vertical alignment for any proposed roadway and driveway			0.0	0.0	0.0	0.0	0.0		20.0
	8. Prepare all preliminary design as described with all TMC requirements as applicable to the CDOT	1.0		2.0				0.0		3.0
	9. Prepare and submit all preliminary design to the City of El Paso	1.0		2.0				0.0		11.0
	10. Prepare and submit all preliminary design to the City of El Paso	1.0		2.0				0.0		10.0
	11. Prepare roadway sections, elevations, and design cross sections at 10.0' intervals, or as	1.0		0.0	0.0	0.0		20.0		41.0
	12. Prepare roadway drawings including:									
	- Corridor Plan									
	- General Site Plan									
	- Subdivision Plan									
	- Subdivision Lot Plan									
	- Subdivision Lot Details									
	- Subdivision Lot Typical Section Details									
	- Subdivision Lot Plan and Profile Plans									
	- Subdivision Lot Details									
	- Subdivision Lot Typical Section Details									
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PROJECT BUDGET SHEET-DETAILED SCOPE-HOURS
Brock & Bustillos Inc.

PROJECT NAME:		Recreational Facility at Lower Beasmont Property Improvements							12/1/2018
Project #	2018-1124REV1	Principal Engineer	Project Manager	Project Engineer	Senior Civil Designer	Engineering Design Technician	Engineering CAD Draftsman	Administrative Assistant	TOTAL HOURS
		Randy P. Brock, PE	Ramon Quevedo, PE	Heather Martinez, PE	Alan Saporita	Michelle Montenegro	Jorge Saldana	Yolena Castillo	
		\$275.00	\$165.00	\$140.00	\$122.00	\$48.00	\$70.00	\$65.00	
Task 105	Site Planning and Grading								
	1.0 Prepare site plan showing proposed site plan, including site plan, along with an estimate report and recommendations along with the preliminary design.								0.0
	2. Prepare landscape and irrigation design drawings for both recreational fields and general site landscaping based on the following concepts:								
	- All proposed plantings will be Xeriscape shrubs and trees.								0.0
	- Areas that need watering will be irrigated for complete landscaping.								
	- All plantings will be retained by an automatic drip system controlled by automatic controllers.								
	3. The complete landscaping design of site is attached hereto with the submittal of a scope of work.								0.0
	4. Coordination with the City, EDDOT, Fort Bliss designated officials (FBIHQ, El Paso Sheriff's Office, and Rio Grande College).								0.0
	5. Prepare drawings to include:								
	- Landscape Plan & Typical Details								0.0
	- Irrigation System Details								
	- Planting Layout Plan & Typical Details								
	- Planting Layout Plan Details								
	- Site Irrigation Plan & Typical Details								
	- Site Irrigation System Details								
	- Design analysis, specifications and systems of costs at submittal								0.0
	6. Coordination with LA								0.0
	7. Prepare LA and final site plan and drawings								0.0
	8. Submittal of all drawings to the City								0.0
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	177. Submittal of all drawings to the City								0.0

PROJECT BUDGET SHEET-DETAILED SCOPE-HOURS
Brock & Bustillos Inc.

PROJECT NAME:		Recreation Facility at Lezer Basement Property Improvements							12/12/2010
Proposal #	2010-1103-REV2	Principal Engineer	Project Manager	Project Engineer	Senior Civil Designer	Engineering Design Technician	Engineering CAD Draftsman	Administrative Assistant	TOTAL HOURS
		Randy P. Brock, PE	Ramon Bustillos, PE	Heather Mortimer, PE	Alan Espinoza	Shelba Montenegro	Jorge Saldana	Valeria Castillo	
		\$200.00	\$100.00	\$140.00	\$120.00	\$80.00	\$70.00	\$60.00	
Task 14	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
	Design Review								0.0
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Task 15	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
	Design Review								0.0
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Task 16	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
	Design Review								0.0
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Task 17	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
	Design Review								0.0
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Task 18	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
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Task 19	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
	Design Review								0.0
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Task 20	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
	Design Review								0.0
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Task 21	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
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Task 22	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
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Task 23	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
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Task 24	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
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Task 25	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
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Task 26	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
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Task 27	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
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Task 28	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
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Task 29	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
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Task 30	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
Task 31	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
Task 32	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
Task 33	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
Task 34	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
Task 35	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
Task 36	Public Safety (Public Safety) (Public Safety)								
	Project Management								0.0
	Consultation with Client, with other City Departments and with Other Agencies								0.0
	Design Coordination								0.0
	Design Meetings, Communication & Records (Design Meetings Report Files Submission)								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
	Design Review								0.0
Task 37	Public Safety (Public Safety) (Public Safety)			</					

[illegible]

PROJECT BUDGET SHEET-DETAILED SCOPE-HOURS
Brock & Bustillos Inc.

PROJECT NAME		Residential Facility at Lower Eastmont Property Improvements							12/15/2019
Proposal #	2019-1103-0292	Project Engineer	Project Manager	Project Engineer	Senior Cost Designer	Engineering Design Technician	Engineering CAD Draftsman	Administrative Assistant	TOTAL HOURS
		Randy P. Brock, PE	Ramon Sotillos, PE	Hector Martinez, PE	Alan Espinoza	Michael Montenegro	Jorge Saldaña	Yvonne Castillo	
		\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	
Task 108 -	Existing Assessment and Condition Assessment - Landscaping & Irrigation								
	1.0 Perform an inventory of existing landscaping along the proposed improvement corridor, along with an accurate record and recommendations along with the preliminary design.								0.0
	1.1 Prepare landscape and irrigation design drawings for both residential lots and general site landscaping based on the following concepts:								0.0
	1.1.1 All proposed plantings will be Xeriscape shrubs and trees.								0.0
	1.1.2 Areas that can be fully preserved will remain in tact.								0.0
	1.1.3 Areas that need tearing up will be replaced by xeriscape landscaping.								0.0
	1.1.4 All planting will be installed by an automatic drip system controlled by automatic controllers.								0.0
	1.1.5 The complete landscaping scope of work is attached heron with the submittal's scope of work.								0.0
	1.2 Coordinate with the City, BPOCT, Fort Bliss development officials, FHWAC, El Paso Electric Company, and Rio Grande Corp.								0.0
	1.3 Prepare drawings to include:								0.0
	1.3.1 Landscape Plan & Typical Details								0.0
	1.3.2 Irrigation Layout Plan & Typical Details								0.0
	1.3.3 Field Irrigation Layout Plan & Typical Details								0.0
	1.3.4 Site Irrigation Layout								0.0
	1.3.5 Site Irrigation Plan & Typical Details								0.0
	1.3.6 Site Irrigation Detailed Irrigation Details								0.0
	1.3.7 Design details, specifications and options of materials at submittals								0.0
	1.3.8 Coordination with LA								0.0
	1.3.9 Coordinate LA into the site work space and drawings								0.0
	1.3.10 JAWOC								0.0
	Sub-Total Hours - Task 108	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Task 109 -	Concept Development								
	1. Develop City Specifications will be used for all improvement plans.								0.0
	2. Provide technical specifications for all aspects of the work in accordance with City specifications.								0.0
	3. Provide general notes, typical and specific details as per City Standards.								0.0
	4. Provide City Standards.								0.0
	5. Provide general specifications.								0.0
	6. Distribution of all drawings each phase.								0.0
	7. JAWOC								0.0
	Sub-Total Hours - Task 109	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
Task 108 -	Systems of Probable Construction Cost								
	1. Develop construction quantity estimates and Systems of Probable Construction Cost (SPCC) for the project at the preliminary estimate design and early phases of design.								0.0
	2. Prepare estimates and quantity, clearing drawings.								0.0
	3. The SPCC will be based on the latest City and prices. The unit prices will reflect the date of preparation of the SPCC and the Consultant has no control over circumstances that affect the cost of labor and materials.								0.0
	4. Provide an opinion of probable construction costs of every submittal at approximately 1 day after each submittal. The opinion will include Civil, Traffic, Electrical and Landscaping elements of the project. The submittal includes:								0.0
	4.1 Conceptual cost estimate at the Concept Layout Design Phase								0.0
	4.2 Preliminary Design Phase								0.0
	4.3 Pre-Design Phase								0.0
	4.4 Final Design Phase								0.0
	4.5 JAWOC								0.0
	4.6 Provide an opinion of probable construction costs and prepare project cost estimate.								0.0
	4.7 JAWOC								0.0
	Sub-Total Hours - Task 108	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
Task 109 -	Concept Development (continued)								
	1. City and Fort Bliss City's submittal final drawings, design schedule.								0.0
	2. Concept Layout Design Phase/Drawings								0.0
	3. Provide up to five (5) copies of Plans & Sections and one (1) digital PDF copy								0.0
	4. Provide up to five (5) copies of Preliminary Design Documents (PDD) 3. 30' drawings for City Drawings								0.0
	5. Provide up to five (5) copies of Preliminary Design Documents (PDD) 3. 30' drawings for City Drawings								0.0
	6. Provide up to five (5) copies of Preliminary Design Documents (PDD) 3. 30' drawings for City Drawings								0.0
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	108. Provide up to five (5) copies of Preliminary Design Documents (PDD) 3. 30' drawings for City Drawings								

PROJECT BUDGET SHEET-DETAILED SCOPE-HOURS
Brock & Bustillos Inc.

PROJECT NAME:		Serrano's Facility at Lower Beasmore Property Improvements							12/15/2018
Project #	2018-100-REV1	Principal Engineer	Project Manager	Project Engineer	Senior Cost Designer	Engineering Design Technicians	Engineering CAD Draftsman	Administrative Assistant	TOTAL HOURS
		Randy P. Brock, PE	Ramon Bustillos, PE	Hector Martinez, PE	Alan Espinoza	Michelle Montalvo	Jorge Sotelo	Yamir Carillo	
		\$100.00	\$140.00	\$140.00	\$120.00	\$80.00	\$70.00	\$65.00	
BID PHASE	Pre-Bid Meeting/Review								
	Prepare Bid Package		2.0	4.0				18.0	24.0
	Assist Owner preparing for bids		0.5	4.0				4.0	8.5
	Assist in responding to Contractor Questions		0.5	4.0				2.0	6.5
	Assess Bidder submittals		2.0	2.0				2.0	6.0
	Prepare estimate in drawings and specs								0.0
	Assist Owner in evaluating bids		1.0	2.0					3.0
	Assess Bidder submittals								0.0
	Assess Bidder submittals								0.0
	Assess Bidder submittals								0.0
Sub-Total Labor Cost - BID PHASE		\$1.00	\$192.00	\$1,720.00	\$1,100.00	\$320.00	\$330.00	\$1,160.00	\$4,742.00
CONSTRUCTION	Construction Phase								
	Attend pre-construction meeting								0.5
	Participate with COOP and Committee for construction meetings								0.5
	Address requests for information (RFIs)								0.0
	Review submittals and submittals								0.0
	Obtain construction of improvements								0.0
	Attend submittal conference with through meeting								0.0
	Prepare punch list for final approval								0.0
	Attend final completion walk-through meeting								0.0
	Prepare submittal review upon completion								0.0
Sub-Total Labor Cost - CONSTRUCTION PHASE		\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
Sub-Total Labor Cost - CONSTRUCTION PHASE		\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00

Brock & Bustillos Inc.

EFFECTIVE: 4/11/2019

**Civil
Hourly
Rate
Schedule**

Principal Engineer	\$208.00
Senior Project Manager	\$208.00
Project Manager	\$165.00
Senior Survey Manager/R.P.L.S.	\$195.00
Surveyor/R.P.L.S.	\$166.00
Project Engineer	\$140.00
Design Engineer	\$128.00
Expert Witness (Civil Discipline)	\$314.00

Technical

Senior Civil Designer	\$122.00
Civil Designer	\$90.00
Engineering Design Technician	\$89.00
Senior Engineering CAD Draftsman	\$84.00
Engineering CAD Draftsman	\$70.00
Engineering CAD Draftsman Intern	\$47.00

Administrative

Administrative Assistant	\$65.00
Administrative Clerk	\$52.00

Other Direct Costs

Mileage - Personal Owned Vehicles	\$0.58	Mile
Postage - Letter Size	\$0.55	Each
Copies (8.5 X 11) - Bond (B&W)	\$0.20	Each
Copies (8.5 X 11) - Bond (Color)	\$0.50	Each
Copies (11 X 17) - Bond (B&W)	\$0.60	Each
Copies (11 X 17) - Bond (Color)	\$1.00	Each
Copies (18 X 24) - Bond (B&W)	\$3.50	Each
Copies (18 X 24) - Bond (Color)	\$5.50	Each
Copies (24 X 36) - Bond (B&W)	\$7.00	Each
Copies (24 X 36) - Bond (Color)	\$13.00	Each
Copies (30 X 42) - Bond (B&W)	\$9.00	Each
Copies (30 X 42) - Bond (Color)	\$15.00	Each
Copies (36 X 48) - Bond (B&W)	\$16.00	Each
Copies (36 X 48) - Bond (Color)	\$19.00	Each
Copies (8.5 X 11) - Mylars (B&W)	\$2.00	Each
Copies (11 X 17) - Mylars (B&W)	\$4.00	Each
Copies (18 X 24) - Mylars (B&W)	\$6.50	Each
Copies (24 X 36) - Mylars (B&W)	\$11.00	Each
Copies (30 X 42) - Mylars (B&W)	\$15.00	Each
Copies (36 X 48) - Mylars (B&W)	\$15.00	Each
Deliveries	\$40.00	Each

PROJECT BUDGET SHEET-DETAILED SCOPE-HOURS
Brock & Bustillos Inc.

Recreational Facility at Lower Beaumont Property Improvements

12/12/2019

	Senior Survey Manager/R.P.L.S. Aaron Alvarado, RPLS	Surveyor/R.P.L.S. Aaron Alvarado, RPLS	SURVEY CREW - 2MC 2-Man Crew	Senior Surveying Technician Jorge Marroquin	Senior Surveying CAD Draftsman Alejandra Gozalez	Surveying CAD Draftsman Christian Esparza	Admin Valeria Castillo	TOTAL HOURS
	\$190.00	\$157.00	\$ 158.20	\$ 120.00	\$101.47	\$ 76.37	\$ 65.00	
CONCEPT LAYOUT DESIGN PHASE (75 Calendar Days)								
Task 40- Field Surveys and Right-Of-Way Maps and/or Base Maps								
1. Locate existing utility monuments within the project limits.								0.0
2. Establish a horizontal and vertical control network to locate the approximate right-of-way alignments of recreational field design, street alignments and for general construction layout, and use the horizontal and vertical control network to locate utility monuments.								0.0
3. Prepare a base map to conform with generally accepted and appropriate private property lines and street rights-of-way (ROW) and the site limits for the purpose of controlling improvements to the generally accepted and approved lease use area. The base map will be tied to the found city monuments and the horizontal and vertical control network. The horizontal coordinates for the survey shall be based on the Texas Central Zone State Plane Coordinate System 4203, North American Datum 1983 (NAD83). The vertical coordinates for the survey shall be based on the North American Vertical Datum 1988 (NAVD88).								0.0
4. Prepare a Subsurface Utility Map (SUM) based on available record utility mapping to assist in the coordination between all utility companies and the design team. The due-diligence SUM provided will consist of contacting the applicable utility companies and obtaining whatever available information they provide within the project area. The utility information will be used to begin the preliminary utility map. This initial research and data acquisition is simply a quality level "D" (QL-D) type of research.								0.0
5. The Texas 811 notification center will be contacted after the information has been received by the respective utilities. A field recordation of the TESS locations will be integrated into the preliminary utility map and a comparison of the record utilities to the TESS locations will be performed and analyzed for potential discrepancies and unknown or undiscovered utilities. Upon review and analysis, a subsurface utility engineering (SUE) designation recommendation will be formulated and the data on the updated utility map will comprise a quality level "C" (QL-C) preliminary utility map.								0.0
6. Perform a field location of visible utilities (i.e., water meters, fire hydrants and valves, irrigation meters, natural gas meters, telecomm pedestals, manhole covers, roof drain downspouts, overhead power-line crossings, power-line poles and transformers, street illumination poles and standards, and traffic signals).								0.0
7. Coordinate underground line limits with Fort Bliss Water Services Company, El Paso Electric Company and Rio Grande Electric Co-Op, Texas Gas Service, AT&T Telephone and Fiber Spectrum Cable and all other applicable utility companies if poleting service is available by each respective utility.								0.0
8. Gather an inventory of existing utility easements in order to mitigate new easements as required by design or the location of existing easements by separate instrument documentation as required by abandonment of said infrastructure.								0.0
9. Perform a field location of existing topographic and improvement features (i.e., sidewalks, pathways, curbs and gutters, roadways, storm water inlets/culverts, driveways, ADA ramps, parking spaces, signage, pedestrian elements, bus stops, street lamps, landscape features, trash collection receptacles, etc.).								0.0
10. Obtain existing street cross-sections every along a 50-foot baseline, including storm-sinks, utility entrances, driveways, fences and drainage ditches, sidewalk and pathways, curbs and gutters, medians and roadways, along the corridors of Fred Wilson, Dyer and the on-side streets.								0.0
11. All said improvement data shall be assimilated into the base topographic and improvement survey file.								0.0
12. Review the City's GIS property information and conduct a preliminary review of the apparent right-of-way maps. Research will focus on apparent property ownership and other pertinent available information (such as recorded easements, see right-of-way, etc.).								0.0
13. Preparation of final plan of meters and boundary descriptions, area computation sheets, proposed construction easement instruments, and final parcel boundary research is not part of this scope.								0.0
QA/QC								0.0
Sub-Total Hours - Task 40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sub-Total Hours - CONCEPT LAYOUT DESIGN PHASE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sub-Total (after Cost - CONCEPT LAYOUT DESIGN PHASE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

BROCK & BUSTILLOS INC.

PROJECT BUDGET SHEET-DETAILED SCOPE-HOURS
Brock & Bustillos Inc.

12/12/2019

Recreational Facility at Lower Beaumont Property Improvements

	Senior Survey Manager/R.P.L.S. Aaron Alvarado, RPLS \$190.06	Surveyor/R.P.L.S. Aaron Alvarado, RPLS \$157.00	SURVEY CREW - 2MC 2-Man Crew \$ 158.20	Senior Surveying Technician Jorge Marroquin \$ 120.00	Senior Surveying CAD Draftsman Alejandra Gozalez \$101.47	Surveying CAD Draftsman Christian Esperza \$ 78.37	Admin Valeria Castillo \$ 65.00	TOTAL HOURS
PRELIMINARY DESIGN PHASE (60 Calendar Days)								
Task 40- Field Surveys and Right-Of-Way Maps and/or Base Maps								
1. Locate existing city monuments within the project limits.								0.0
2. Establish a horizontal and vertical control network to locate the approximate right-of-way alignments of recreational field design, street alignments and for general construction layout, and tie the horizontal and vertical control network to found city monuments.								0.0
3. Prepare a base map to coincide with generally accepted and approximate private property lines and street right-of-way (ROW) and the site limits for the purpose of controlling improvements to the generally accepted and approved lease use area. This base map will be tied to the found city monuments and the horizontal and vertical control network. The horizontal coordinates for the survey shall be based on the Texas Central Zone State Plane Coordinate System 4203, North American Datum 1983 (NAD83). The vertical coordinates for the survey shall be based on the North American Vertical Datum 1988 (NAVD88).								0.0
4. Prepare a Subsurface Utility Map (SUM) based on a available record utility mapping to assist in the coordination between all utility companies and the design team. The due-diligence SUM provided will consist of contacting the applicable utility companies and obtaining whatever available information they provide within the project area. The utility information will be used to begin the preliminary utility map. The initial research and data acquisition is simply a quality level "C" (CL-C) type of research.								0.0
5. The Texas 811 notification center will be contacted after the information has been received by the respective utilities. A field recordation of the TESS locations will be integrated into the preliminary utility map and a comparison of the record utilities to the TESS locations will be reviewed and analyzed for potential discrepancies and unknown or undiscovered utilities. Upon review and analysis, a subsurface utility engineering (SUE) designation recommendation will be formulated and the data on the updated utility map will comprise a quality level "C" (CL-C) preliminary utility map.								0.0
6. Perform a field location of visible utilities (i.e. water meters, fire hydrants and valves, irrigation meters, natural gas meters, telecom pedestals, manhole covers, roof drain downspouts, overhead power-line crossings, power-line poles and transformers, street illumination poles and standards, and traffic signals).								0.0
7. Coordinate underground line spots with Fort Bliss Water Services Company, El Paso Electric Company and Rio Grande Electric Co-Op, Texas Gas Service, AT&T Telephone and Fiber Spectrum Cable and all other applicable utility companies if plotting service is available by each respective utility.								0.0
8. Gather an inventory of existing utility easements in order to mitigate new easements as required by design in the location of existing easements by separate instrument documentation as required by abandonment of said infrastructure.								0.0
9. Perform a field location of existing topographic and improvement features (i.e., sidewalks, pathways, curb and gutter roadways, storm water inlets/underdrains, driveways, ADA ramps, parking meters, signage, pedestrian elements, bus-stops, street lamps, landscape features, trash collection receptacles, etc.).								0.0
10. Obtain existing street cross-sections every along a 50-foot baseline, including storm-sinks, utility entrances, driveways, fences and drainage daylight, sidewalk and pathways, curb and gutters, medians and roadways, along the corridors of Fred Wilson, Dyer and the on-side streets.								0.0
11. All said improvement data shall be assimilated into the base topographic and improvement survey file.								0.0
12. Review the City's GIS property information and conduct a precursory review of the apparent right-of-way maps. Research will focus on apparent property ownership and other pertinent available information (such as recorded easements, use agreements, etc.).								0.0
13. Preparation of final parcel meters and bounds descriptions, area computation sheets, proposed construction easement instruments, and final parcel boundary research is not part of the scope.								0.0
QA/QC								0.0
Sub-Total Hours - Task 40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sub-Total Hours - PRELIMINARY DESIGN PHASE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sub-Total Labor Cost - PRELIMINARY DESIGN PHASE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PRE-FINAL DESIGN PHASE (XX Calendar Days)								
Sub-Total Hours - PRE-FINAL DESIGN PHASE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sub-Total Labor Cost - PRE-FINAL DESIGN PHASE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

BROCK & BUSTILLOS INC.

PROJECT BUDGET SHEET-DETAILED SCOPE-HOURS
Brock & Bustillos Inc.

Recreational Facility at Lower Beaumont Property Improvements

12/12/2019

	Senior Survey Manager/R.P.L.S. Aaron Alvarado, RPLS \$190.96	Surveyor/R.P.L.S. Aaron Alvarado, RPLS \$157.00	SURVEY CREW - 2MC 2-Man Crew \$ 156.20	Senior Surveying Technician Jorge Manuquin \$ 120.00	Senior Surveying CAD Draftsman Alejandra Gozalez \$101.47	Surveying CAD Draftsman Christian Esperza \$ 76.37	Admin Valeria Castillo \$ 65.00	TOTAL HOURS
FINAL DESIGN PHASE (XX Calendar Days)								
Sub-Total Hours - FINAL DESIGN PHASE - SURVEY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sub-Total Labor Cost - FINAL DESIGN PHASE - SURVEY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL SURVEY HOURS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BROCK & BUSTILLOS INC.

Rates Effective: August 1, 2019

Professional

Technical

Administrative

Field Survey Crews

Special Field Survey Crew Equipment

Other Direct Costs

S:\Pmpoosa\2019-Pmpoosa\U1-November\REFEREN-ES\CEP\Beaumont-Pmpoosa\2019-12-10\Beaumont-CEP-Fee-Pmp-REV2019-12-16

Recreational Facility at Lower Beaumont Property Improvements

# of Shts	Title of Sheet	SUBMITTAL REQUIREMENTS			
		Conceptual / Investigative	Preliminary	Pre-Final	Final
1	Coversheet and Index of Drawings	20%	50%	85%	100%
1	General Notes		50%	85%	100%
1	General Overall Site Location Plan	25%	50%	85%	100%
2	Horizontal Control Plan		50%	85%	100%
4	Demolition Plans	50%	50%	85%	100%
2	Architectural Plans (M+RE,2RR)	20%	50%	85%	100%
4	Architectural Elevations	20%	50%	85%	100%
4	Architectural Details		50%	85%	100%
2	Building Grading Plan		50%	85%	100%
2	Building Drainage Plan		50%	85%	100%
2	Building Civil Cross-Sections		50%	85%	100%
2	Building Civil Details		50%	85%	100%
2	Building Mechanical Plans		50%	85%	100%
1	Building Mechanical Details		50%	85%	100%
2	Building Electrical Plans		50%	85%	100%
1	Building Electrical Details		50%	85%	100%
2	Building Plumbing Plans		50%	85%	100%
1	Building Plumbing Details		50%	85%	100%
4	Building Structural Plans		50%	85%	100%
2	Building Structural Details		50%	85%	100%
1	Overall Sports Field Site Plan	30%	70%	85%	100%
1	Overall Sports Field Access Site Plan	30%	70%	85%	100%
4	Sports Field Layout Site Plans	20%	70%	85%	100%
4	Sports Field Grading Plans		70%	85%	100%
4	Sports Field Drainage Plan		70%	85%	100%
4	Sports Field Civil Cross-Sections		70%	85%	100%
3	Sports Field Details & General Civil Details	20%	70%	85%	100%
4	Sports Field Irrigation Plans	20%	70%	85%	100%
2	Sports Field Irrigation Typical Details & Notes		70%	85%	100%
4	Sports Field Illumination Plans	20%	70%	85%	100%
4	Sports Field Illumination Details		70%	85%	100%
2	Sports Field Structural Plans		70%	85%	100%
2	Sports Field Structural Details		70%	85%	100%
2	Overall Site Plans	30%	70%	85%	100%
4	Overall Site Grading Plans		70%	85%	100%
4	Overall Watershed Map	30%	70%	85%	100%
4	Overall Site Drainage Plan	30%	70%	85%	100%
10	Overall Site Civil Cross-Sections		70%	85%	100%
4	Overall Site Civil Details		70%	85%	100%
4	Overall Site Hike & Bike Trail Plans	30%	70%	85%	100%
3	Overall Site Hike & Bike Trail Details		70%	85%	100%
9	Overall Site Utility Plans (W,WW,SS,G,E,T)	30%	70%	85%	100%
3	Overall Site Utility Details		70%	85%	100%
6	Overall Site Landscape Plans	30%	70%	85%	100%
4	Overall Site Landscape Typical Details		70%	85%	100%
1	Overall Site Planting Plans		70%	85%	100%
1	Overall Site Planting Details & Notes		70%	85%	100%
1	Overall Irrigation Layout	30%	70%	85%	100%
1	Overall Site Irrigation Plans		70%	85%	100%
1	Overall Site Irrigation Typical Details & Notes		70%	85%	100%
2	Overall Site Illumination Plans	20%	70%	85%	100%
2	Overall Site Illumination Details		70%	85%	100%
2	Traffic Engineering Geometric Plans	20%	70%	85%	100%
2	Traffic Engineering Details		70%	85%	100%
2	Roadway Plan and Profile Sheets	20%	70%	85%	100%
2	Roadway Typical Section Details		70%	85%	100%
5	Parking Lots Plans	20%	70%	85%	100%
4	Parking Area Typical Sections & Details		70%	85%	100%
2	Signage and Striping Plans		70%	85%	100%
2	Signage and Striping Details		70%	85%	100%
5	Storm Water Pollution Prevention Plan		70%	85%	100%
	TECHNICAL SPECIFICATIONS	Outline Specs	70%	85%	100%
173	TOTAL SHEETS	45	173	173	173

RBM ENGINEERING, INC.

150 N. Festival Drive.

Mechanical & Electrical Engineers

El Paso, Texas 79912

~~November 7, 2019~~ ~~December 9, 2019~~ December 12, 2019

REVISED PROPOSAL #2

Roman Bustillos, P.E., CNU-A
Brock & Bustillos, Inc.
417 Executive Center Blvd.
El Paso, Texas 79902

Re: Recreational Facility Lower Beaumont Property Ft. Bliss Solicitation # 2020-073R

Dear Roman;

Herein is our revised proposal to provide electrical engineering services for the referenced project. **Proposal revision #2 is submitted as a strict across the board fee reduction of approximately 14.5%. There is no scope reduction, simply trying to meet the City of El Paso misguided expectation of the effort required of the A/E community to design projects.**

The existing electrical utility contractor at Ft. Bliss is Rio Grande Electric. They took over maintenance of the electrical infrastructure about 10 years ago. They do not have any existing drawings. All the overhead and underground utilities will need to be completely removed by this project. I will have to as-built the lay out myself. El Paso will serve power to the new EPISD school. I assume we can piggy-back on this and have EPE provide the electrical service for the project.

This fee proposal is developed based on the Revised Scope of Services provided on 11-5-19. RBM fee is developed assuming we are involved with the following Sub Task items:

Sub Task B010: Project Management
Sub Task B020: Public Involvement
Sub Task B040: Field Surveys and Base Map
Sub Task B050: Subsurface Utility Mapping (SUM) & Subsurface Utility Engineering (SUE)
Sub Task B120: Electrical and Illumination Review & Design
Sub Task B130: Existing Roadway and On-Site Roadway Aesthetics
Sub Task B140: Technical Specifications
Sub Task B150: Opinions of Probable Construction Cost
Sub Task B160: Contract Document Deliverables
Sub Task B170: Construction Administration Services
Sub Task B180: Field Engineering and Inspection Services

RBM Engineering scope for electrical design work will include the following:

- Preform full site investigation, walk the entire site.
- Coordinate with Rio Grande Electric to prepare for disconnect of primary electrical power to all utility lines.
- Design the as-Built of the existing electrical infrastructure from visual observations to prepare demolition plans
- Coordinate with Ft. Bliss Communication Branch to obtain maps and drawings of all existing underground communication infrastructure
- Design the as-Built of the existing communication infrastructure from visual observations to match existing maps and plans, to prepare demolition plans
- Demolition plans of MEP systems in and around existing buildings or facilities
- New electrical design for site and recreational/athletic field illumination, street lighting, signs.
- MEP design of the interior of new buildings such as equipment storage buildings, maintenance buildings and restrooms.

(915) 584-9934
(915) 584-8723 (fax)
rhm@rhm.cc (Email)

pg. 1

Bryan R. Morris, PE
Robert H. Beasley, PE

The following applies to the design and scope of both projects.

- Attend the kick-off design meeting
- Preparation of a design analysis at preliminary design, pre-final design and final design
- Electrical & Park Lighting Design – Designed to COEP Park Standards
- Coordination with EPE for service agreements and connections
- Technical Specifications (required at each phase)
- Takeoffs & Cost Estimates for bidding purposes (required at each phase)
- Addressing of comments throughout the design phase all the way through permitting
- Bid Phase Services
 - Provide bidding assistance/clarifications which includes responding to questions from potential bidders, attending the pre-bid meeting and job walk, assisting with preparation of addenda, and reviewing the submitted bids.
 - Prepare a conformed set of bid documents incorporating any addenda issued during the bid period.

There will be four phases in the design process with a review meeting at the end of each phase plus a bidding phase. This design work should comply with the scope in the following fashion for each stage and their related submittals: A) Concept, B) Preliminary Design, C) Pre-Final Design, D) Final Design, E) Bid Package

Fixed Fee Proposal for Design, Specifications and Bidding:**Concept Design -****~~\$ 2,500~~ ~~\$1,500~~ \$1,282**

- 1) Participate in team presentation to show lighting concepts

Preliminary Design -**~~\$30,000~~ ~~\$27,000~~ \$23,085**

- 2) Site investigations
- 3) Coordination with EPE, Rio Grande Electric and Ft Bliss Communication
- 4) Selection of light fixtures
- 5) Lighting design
- 6) Team review and coordination
- 7) Design Analysis
- 8) Specifications
- 9) Cost Estimate
- 10) Respond to review comments

Pre-Final Design**~~\$15,000~~ ~~\$12,000~~ \$ 10,260**

- 1) Confirmation from EPE of new service and cost
- 2) Lighting design
- 3) Team review and coordination
- 4) Design Analysis
- 5) Specifications
- 6) Cost Estimate
- 7) Respond to review comments
- 8) Respond to City permit comments

Final Design**~~\$ 2,500~~ ~~\$2,000~~ \$1,710**

- 1) Lighting design
- 2) Team review and coordination
- 3) Design Analysis
- 4) Specifications
- 5) Cost Estimate
- 6) Respond to review comment

Bid Package Phase

~~\$ 1,200~~ **\$1,026**

- 1) Assist during bidding
- 2) Answer bidder questions
- 3) Prepare Addendums
- 4) Review bid

Grand Total for Design

~~\$ 51,200~~ ~~\$43,700~~ **\$ 37,363**

The above design fee excludes the following:

- a) Design of demolition for site utilities for gas, water, sewer, fire lines.
- b) Design of new site utilities for gas, water, sewer, fire lines.
- c) Design of gas, water, sewer utilities beyond 5 feet from new buildings or structures.
- d) All engineering disciplines other than electrical; expect for interior MEP system design
- e) Solar powered lighting of any kind
- f) Lighting of Public Art at either park
- g) Attendance at any Public Meetings
- h) Design of site fire hydrants, either public or private
- i) Design of fire sprinkler systems for buildings or structures

Construction Phase Services

\$ Time and material

- 1) Attend pre-construction meeting
- 2) Advise owner on validity of all request for change orders.
- 3) Provide contract modifications for permit revisions as required.
- 4) Attend a weekly meeting construction meetings.
- 5) Prepares written inspection reports for each of the 12 site visits.
- 6) Review contractor submittals
- 7) Review and answer contractor RFIs
- 8) Participate in Substantial Completion walk-through, prepare punch list
- 9) Back-check punch list
- 10) Participate in Final Inspection
- 11) Prepare digital record drawings

This proposal shall be considered a part of or amendment to the Standard Form of Agreement between Architect and Consultant, AIA Document C401-2007 whether specifically issued by the Architect for this project or not. Conditions of the Standard Form of Agreement referenced above are applicable to this proposal and project unless specifically amended by AIA Document G803-2007, Amendment to the Consultant Services Agreement.

A certificate of insurance for RBM Engineering, Inc. shall be provided to the Architect upon request for all applicable insurance coverages. Coverage limits shall be considered to be the current policy limits carried by RBM Engineering at the time of this proposal. Any revision of policy limits for any coverage category shall be documented in the referenced amendment document and any additional premium costs shall be added to the fee proposal listed above.

RBM ENGINEERING, INC.
150 N. Festival Drive.

Mechanical & Electrical Engineers
El Paso, Texas 79912

We appreciate the opportunity to submit this proposal to your firm. Please do not hesitate to call if you have any questions.

Sincerely,

Bryan R. Morris, P.E.

Bryan R. Morris, P.E.
President
RBM Engineering, Inc.

Acknowledgement and Agreement of proposal scope, contract references and fees:

Signature: _____

Printed Name: _____

Date: _____



4606 Titanic Avenue
El Paso, Texas 79904
Ph. (915) 771-7766
Fx. (915) 771-7786

Construction Materials Testing
Geotechnical Engineering
Environmental Site Assessments
Forensic Analysis /Testing

November 7, 2019 (Revised December 12, 2019)

Brock & Bustillos Inc.
417 Executive Center Blvd.
El Paso, Texas 79902

Attn.: Mr. Roman Bustillos, P.E., CNU-A
President

Re: Proposal for General Geotechnical Subsurface Soils Evaluation
Proposed Lower Beaumont Recreational Facility Improvement Area Project
Ft. Bliss, El Paso County, Texas
CQC Proposal No. PGCQC19-086

Dear Mr. Bustillos:

In response to your request, CQC Testing and Engineering, L.L.C. (CQC) is pleased to provide **Brock & Bustillos Inc. (Client)** with this revised proposal to conduct a general geotechnical subsurface soils evaluation for the above referenced project. We thank you for providing our firm an opportunity to provide professional geotechnical consulting services on this City of El Paso improvements project. This revised proposal presents our understanding of the project, our proposed scope of services, our estimated lump sum fee, and our standard terms and conditions associated with our services on this project. The revision presents a change in our scope of work consisting of the removal of vertical borings, as requested by our Client, and the reduction of our lump sum fee.

I. General Project Description

Based on general information and a conceptual project plan provided by our Client, we understand that the proposed project shall consist of the improvements of the Lower Beaumont area located on the southwest quadrant of the intersection of Fred Wilson Avenue and Dyer Street in northeast El Paso, El Paso County, Texas. In general, the project area is approximately 70 acres and contains vertical reliefs from 50 to 70 feet across the site. We understand that the improvements shall consist of constructing a recreational facility that will include a hike and bike trail, unimproved recreational area, three (3) soccer fields, irrigation, seating areas, lighting, parking, site access improvements, recreational equipment storage, maintenance facility, a restroom building and street roundabouts at Fred Wilson Avenue and Russell Street and Pipes Street with the EPISD intersection.

The specific objective of our scope of services shall be to generally evaluate the subsurface soil conditions within the general project site, collect subsurface soils information and conduct Standard Penetration Tests (SPT's) to evaluate the soil bearing resistance of the subsurface soils and develop geotechnical information with respect to the suitability of the on-site soils as backfill, light pole foundation and pavement section evaluation and recommendation to guide the design of civil and structural elements for the project.

II. General Requested Subsurface Exploration Evaluation

As requested, our general subsurface soils evaluation shall consist of drilling a total of fourteen (14) vertical subsurface exploration borings to approximate depths ranging from 15 to 30 feet, each below the existing ground surface elevation at the time of our subsurface soils evaluation.

The general preliminary boring locations are indicated on the attached General Geotechnical Subsurface Exploration Boring Location Aerial Plan, Sheet 1 for presentation and scoping purposes. Once the specific

locations of the proposed improvements are specified, the borings may be relocated as necessary to collect subsurface soils information in the required areas. The following table lists the boring locations, number of borings and approximate exploration depths.

Boring Location	Number of Borings	Depth (feet)
Flat Field Areas	4	30
Recreation Areas	4	15
Existing Street Areas	2	15
Hike and Bike Areas	4	15

The borings shall be completed to the above mentioned depths or auger refusal, whichever is shallower. The borings shall be logged in the field by our geotechnical engineering technical staff. If groundwater or water seepage is immediately encountered during our field activities, the depth shall be recorded.

The borings shall be drilled in general accordance with standard procedures using a truck-mounted rotary-drilling rig utilizing hollow stem augers. During our drilling activities SPTs, in accordance with ASTM procedures, shall be collected at discrete intervals to the maximum boring depths to estimate the relative field bearing capacity of the subsurface soils. In conjunction with our penetration tests, soil samples shall be collected using conventional split-spoon sampling techniques or as required based on the encountered soil conditions.

All collected soil samples from borings shall be properly identified with date, sample location, sample depth and penetration measurements. Representative portions of all obtained samples shall be sealed to prevent moisture loss and transported to our laboratory for further observation and engineering soil classification testing on selected soil samples.

At the completion of our field operations, each boring shall be backfilled with auger cuttings and firmly compacted at the ground surface elevation and/or grouted to at least a depth of 12 inches below the existing asphalt surface elevation, where applicable. We respectfully request that our Client's land surveyor include our exploration boring locations within their scheduled survey points, so that we may report ground elevations and coordinates for each exploration boring, if required.

We also request that the Client provide CQC with existing utility as-built drawings and/or information for the subject project site to reduce the potential of penetrating through underground utilities during our drilling and field activities. Owner shall be responsible for securing a Right-to-Entry and Dig Permit with the Fort Bliss – PWD, as required. CQC may assist the owner by providing the required information to complete forms. CQC may secure a permit for the owner as an additional service, if required. An estimated fee is provided for the owner's consideration for CQC to complete the Dig Permit form and submittal.

CQC shall assist in locating the borings in the field and call Texas811 to request utility locates. However, it should be noted that typically the utility line locators will not mark utility lines within private property. As a result, subsurface exploration borings shall not be performed in areas where utility lines are not appropriately marked or identified in the field to avoid a potential unsafe working condition for our employees. If this condition occurs, CQC shall meet with our Client to review the field conditions and relocate the soil borings, if necessary.

Our laboratory engineering soil classification tests shall be limited to soil moisture contents, plasticity index tests, sieve analysis tests, up to five (5) soil moisture-density relationship tests and up to five (5) soil CBR tests performed in general accordance with applicable ASTM test procedures. Our engineering soil classification laboratory tests do not include chemical analysis of collected soil samples for environmental assessment purposes.

CQC shall also provide six (6) soils analysis for nutrients services at the landscaping areas for the above referenced project. The soils analysis testing services that shall be performed for this project consist of pH, Nitrogen, Phosphorus, Potassium, Sulfur, Calcium, Magnesium, Sodium, Zinc, Iron, Manganese and Copper.

We anticipate that traffic control shall be required at the time of our field activities. As a result, our revised proposal includes limited costs to provide cones and signs to perform our geotechnical drilling services. Our scope of work does not include lane closures or drilling activities during evening hours or beyond normal business working hours. In the event that these services or working periods are required as a result of permitting requirements, an additional fee revised proposal shall be submitted to our client for authorization. A street cut permit shall be submitted to the City of El Paso for approval, as required.

III. Soils Evaluation Report and Schedule

At the completion of our soil exploration drilling activities, soil evaluation and classification testing, a formal written report shall be prepared and provided to our Client. Our soils evaluation report shall provide a boring location plan, subsurface exploration boring logs, laboratory engineering soil classification test results, and recommendations to guide the design of foundations by structural engineer and sitework by the civil engineer.

We anticipate that we may commence our drilling activities within fifteen (15) working days from our Client's written notice to proceed and once all the permits to enter the property have been secured by our Client and utility lines have been marked at the site at our proposed boring locations. An electronic pre-final review and comment report shall be provided within four (4) weeks after the completion of our field evaluation activities. An electronic PDF copy of the final report shall be provided once comments are received from our pre-final report submittal.

IV. Estimated Lump Sum Fee and Scope of Work Terms

We propose to provide the scope of work defined in this revised proposal for the estimated fees below. A separate fee for the Dig Permit with the Fort Bliss – PWD has been provided for our Client and Owner's consideration.

1). Traditional Geotechnical Subsurface Soils Evaluation & Report:	\$23,800.00
--	--------------------

2). Estimated Fee for Dig Permit with Fort Bliss – PWD (Includes 45 hours at \$80.00 / hr. of Professional Time to complete forms, submit to Fort Bliss and secure signatures of applicable utility locators. Does not include other unanticipated permit fees that may arise.)	\$ 3,600.00
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Total Estimated Fee:	\$27,400.00
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Our estimated fee anticipates that the site terrain shall be accessible to our truck mounted drilling rig and support vehicles.



Our scope of work under this revised proposal does not include the following; securing a Right-of Entry and Dig Permit with the Fort Bliss – PWD, rental of equipment to grade access to our boring locations, surveying services, delineation of buried materials and/or structures, a groundwater or water seepage study, sink hole study, landslide study, global slope stability of the site, preparation of engineering plans, bid specifications, engineering cost estimates, an environmental assessment of the project sites air, soil, water, site fault delineation and evaluation, delineation of subsurface flowing water either on or adjacent to the project site limits, the development of a dewatering plan, development of a trench safety plan, construction materials testing services during construction, an assessment of the potential impacts or distress to existing structures on or adjacent to the project site resulting from construction activities, and directing or controlling the means and methods utilized by contractors during the construction of the project. CQC and our Client shall have no liability for claims resulting from the contractor's selected means and methods of construction.

Our services shall be performed in accordance with the scope of services described in this revised proposal. By approving this revised proposal, our Client agrees to retain our services for the above estimated fee. We understand that our services shall be performed in accordance with the Standard Terms and Conditions of our Clients master agreement.

Our invoices are due and payable at 4606 Titanic Avenue, El Paso, Texas 79904. All parties hereby agree that this agreement upon acceptance will be performable in El Paso County, Texas. This document and any information contained herein shall not be disclosed and shall not be duplicated or used in whole or in part for any purpose other than to evaluate this revised proposal. This revised proposal is valid for a period of up to 60 days. CQC reserves the right to reevaluate our revised proposal beyond the referenced period. Again, we appreciate the opportunity to submit this revised proposal. Should you have any questions or comments regarding this revised proposal, please feel free to contact us.

Respectfully Submitted,
CQC Testing and Engineering, L.L.C.
TBPE Firm Registration No. F-10632


Carlos Saucedo, P.E.
Project Engineer
csaucedo@cqceng.com


Jaime Rojas, P.E.
President / Principal Engineer
trojas@cqceng.com

Accepted Revised Proposal Scope of Work, Stated
Exclusions and Standard Terms and Conditions.
Authorized Client Representative

Signature: _____

Date: _____

Print Name/Title: _____

Company Name: _____

Address: _____

City, State: _____

Phone Number: _____

Attachments: 1.) General Geotechnical Exploration Boring Location Aerial Plan, Sheet 1

Copies: 1.) Above Addressee – 1 copy by e-mail (roman@brockbustillos.com) /
(aaron@brockbustillos.com)

D:\Dropbox\CQC Files\CQC Working Files\GEO\Proposals\2019Main GEOTECH Proposals\19-086 - CoEP Lower Beaumont Rec Facility (B&B)\3-Proposal and Cost Estimate\revised 121219\19-086 proposal rev 2.docx

December 12, 2019

Roman Bustillos, PE, CNU-A
President
Brock & Bustillos, Inc.
417 Executive Center Blvd.
El Paso, Texas 79902

VIA E-MAIL

**Re: Subsurface Utility Engineering (SUE) Services
Lower Beaumont Property, El Paso, TX**

Dear Mr. Bustillos:

Cobb, Fendley & Associates, Inc. (Cobb Fendley) is pleased to provide this scope and fee for the Subsurface Utility Engineering (SUE) services associated with the project referenced above. The proposed Scope of Services and Basis of Compensation are outlined below.

SCOPE OF SERVICES - SUE

Project Limits:

An approximately 62-acre area on the south side of Fred Wilson Avenue between its intersections with Alabama Street and Dyer Street as shown in Exhibits "A" and "B" in the attachments.

SUE Level B Services:

It is understood that Brock & Bustillos will complete SUE Level D (Records Research) and SUE Level C (Surface Visible Feature Survey) for this project. This proposal excludes SUE Level D and C services. Using collected SUE Level D and C information & utility contacts supplied by Brock & Bustillos, CobbFendley will map existing utilities to **SUE Quality Level B (Designation)** within the project limits. CobbFendley understands right of entry (ROE) will be obtained by Brock & Bustillos. A detailed description of utility designating services, SUE Level B, is provided below.

Land Survey activities associated with SUE Level B services will be completed in accordance with the Minimum Standards for Surveying in Texas and under the direction of a Texas Registered Professional Land Surveyor. The herein specified services shall be performed according to the Minimum Standards of Land Surveying in the state of Texas and per the requirements of the Texas Society of Professional Surveyors Manual of Practice for Land Surveying.

Deliverables will include:

- Ascii point file in Project Surface coordinates,
- Copies of all field sketches and digital photographs,
- AutoCAD Civil 3D 2018 utility composite drawing.

Lump Sum Fee for SUE Level B Services: \$19,240.00

SUE Level A Services:

SUE Level A (Utility Test Holes) will be performed where the vertical location of existing underground utilities is critical. Brock & Bustillos will identify Test Hole locations based on their conflict analysis. CobbFendley will assist with the final Test Hole placement to limit impacts to traffic and existing improvements. A detailed description of Test Hole services is provided below. **A total of 15 Test Holes are included in this scope of work.** Additional test holes can be performed for \$750.00 each as requested before Administrative, and Direct Expenses. Test holes will be performed to a 5-foot maximum depth. Any Test Holes exceeding 5-feet in depth will be considered additional at \$150.00 per foot. For each completed test hole, we will develop a test hole data form delivered in PDF format and drawing delivered in AutoCAD 2018 format.

Lump Sum Fee for SUE Level A Services: \$14,020.00

Subsurface Utility Engineering includes utility investigations prepared in accordance with ASCE Standard 38/02. Utility Quality Levels are defined as follows:

Utility Quality Levels are defined in cumulative order (least to greatest) as follows:

Quality Level D - Existing Records: Utilities are plotted from review of available existing records.

Quality Level C - Surface Visible Feature Survey: Quality Level "D" information from existing records is correlated with surveyed surface-visible features.

Quality Level B - Designate: Two-dimensional horizontal mapping. This information is obtained through the application and interpretation of appropriate non-destructive surface geophysical methods. Utility indications are referenced to established survey control.

Quality Level A - Locate (Test Hole): Three-dimensional mapping and other characterization data. This information is obtained through exposing utility facilities through test holes and measuring and recording (to appropriate survey control) utility/environment data.

SUE Quality Level B (designate)

1. Designate means to record and mark the horizontal location of the existing toneable utility facilities and their service laterals to existing buildings using non-destructive surface geophysical techniques. A non-water base paint, utilizing the APWA color code scheme, will be used on all surface markings of underground utilities.
2. Correlate utility owner records with designating data and resolve discrepancies using professional judgment. CobbFendley will update the existing utility facility plan (if applicable) with designated utilities, utility owner names, quality levels, line sizes and subsurface utility locate (test hole) locations if applicable. It is understood by both CobbFendley and Client that the line sizes of designated utility facilities detailed on the deliverable are from the best available records and that an actual line size is normally determined from a test hole through vacuum excavation. A note will be placed on the designate deliverable only that states "line sizes are from best available records". This information will be provided in AutoCAD format.
3. Clearly identify all utilities that were discovered from previous investigations and record information but cannot be depicted in quality level B standards. These utilities will have a unique line style and symbology in the designate (Quality Level B) deliverable.
4. Comply with all applicable City/State policy and procedural manuals.

SUE Quality Level A (locate)

Locate means to obtain precise horizontal and vertical position, material type, condition, size and other data that may be obtainable about the utility facility and its surrounding environment through exposure by non-destructive excavation techniques that ensures the integrity of the utility facility.

During Level A Services, CobbFendley will:

1. Coordinate with utility owner inspectors as may be required by law or utility owner policy.
2. Neatly cut and remove existing pavement material, such that the cut not to exceed 0.10 square meters (1.076 square feet) unless unusual circumstances exist.
3. Measure and record the following data on an appropriately formatted test hole data sheet.
 - A. Elevation of top and/or bottom of utility tied to the datum of the furnished plan.
 - B. Identify a minimum of two benchmarks utilized. Elevations shall be within an accuracy of 2.54 cm (1.0 inches) unless a more precise tolerance is specified for the specific location being investigated.
 - C. Elevation of existing grade over utility at test hole location.
 - D. Horizontal location referenced to project coordinate datum.
 - E. Outside diameter of pipe or width of duct banks and configuration of non-encased multi-conduit systems.
 - F. Utility facility material(s).

- G. Utility facility condition.
 - H. Pavement thickness and type.
 - I. Coating/Wrapping information and condition.
 - J. Unusual circumstances or field conditions.
4. Excavate test holes in such a manner as to prevent any damage to wrappings, coatings, cathodic protection or other protective coverings and features.
 5. Be responsible for any damage to the utility during the locating process. In the event of damage, CobbFendley shall stop work, notify the appropriate utility facility owner, client project manager, and appropriate regulatory agencies.
 6. Back fill all excavations with appropriate material, compact backfill by mechanical means, and restore pavement and surface material.
 7. Furnish and install a permanent above ground marker directly above center line of the utility facility.

Plot utility locate position information to scale and provide a comprehensive utility plan. This information will be provided in AutoCAD format.

SERVICES TO BE PROVIDED BY BROCK & BUSTILLOS, INC.

The following information, as available, shall be furnished at no cost to CobbFendley:

1. Provide project plans showing the project limits, alignment, benchmarks, project control data, profile, cross-section information and test hole locations as required to perform the service under this contract.
2. SUE Level D (Records Research) and SUE Level C (Surface Visible Feature Survey) for this project.
3. Lists of all utility and/or agency contact persons.
4. Other available information or assistance as appropriate.
5. Provide CAD utility line style and symbology, if desired.

CobbFendley personnel are certified in work zone safety and confined space entry. All Subsurface Utility Engineering services are completed by CobbFendley employees and the work is performed in accordance with ASCE 38/02 (Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data).

Basis of Compensation

The above scope of services associated with this project can be provided for a **total fee of \$33,260.00**. All fees include expenses related to mobilization, permitting and barricading fees.

If this summary is acceptable, please forward an authorization to proceed. If you have any questions or comments, please do not hesitate to contact us.

Sincerely,

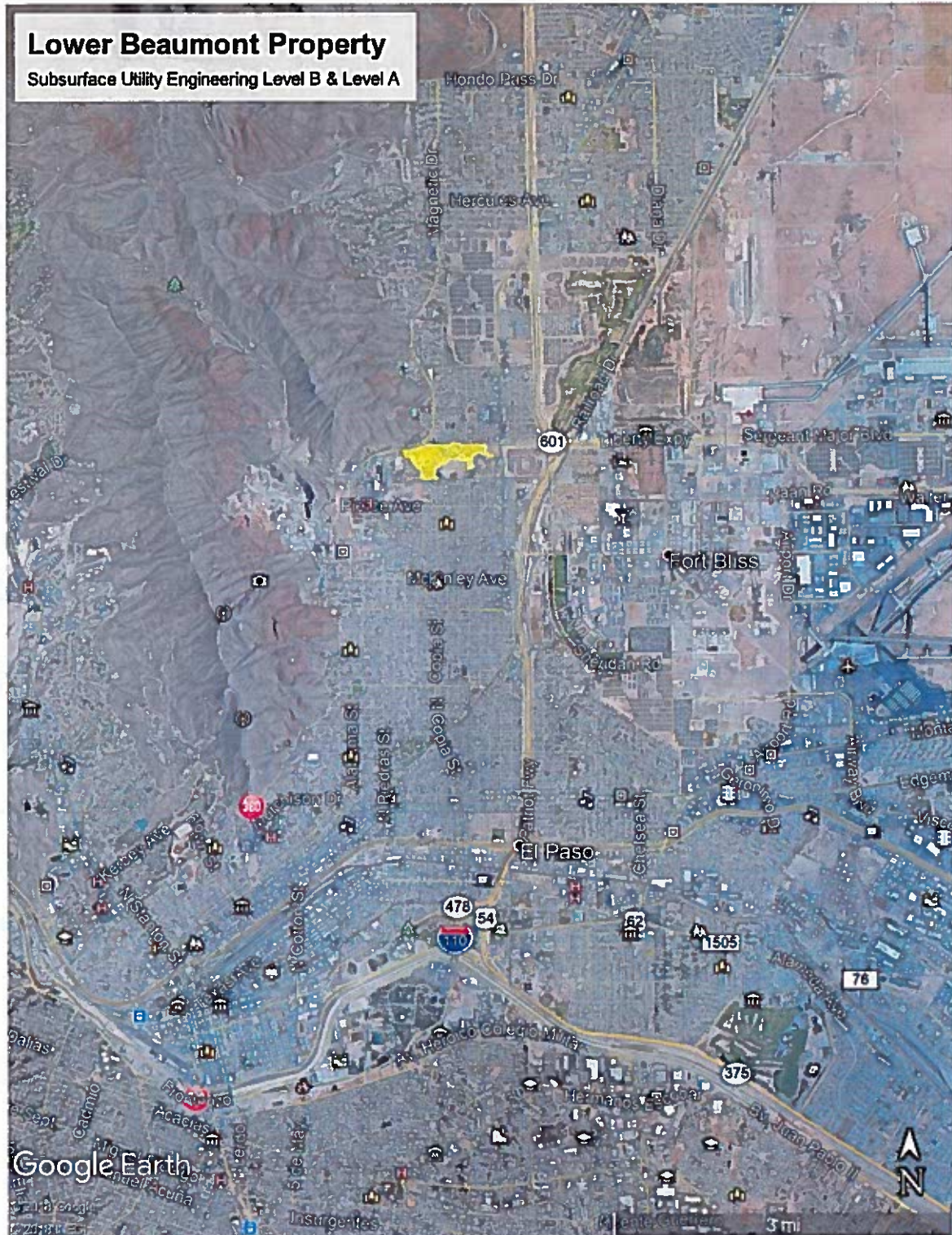
COBB, FENDLEY & ASSOCIATES, INC.



Jesus A. Ramos, Jr., P.E.
Senior Project Manager

Cc: Sean Wolfe, P.G., Principal-In-Charge

Attachments
Exhibit "A" – Vicinity Map



Landscape Architectural Scope of Services/Person Hours for Lower Beaumont Recreational Facility
December 7, 2019

Task Description	Sites Southwest										Total
	Principal		Project Designer/ Graphic Specialist		Landscape/Irrigation Designer		Administrative Assistant				
	Hours	Rate	Hours	Rate	Hours	Rate	Hours	Rate			
		\$150.00		\$75.00		\$75.00		\$40.00			
I Design Phase											
• Pre-Design Phase											
Review Survey, As-Built & site verify info w/ Design Team	6	\$900.00	6	\$570.00		\$0.00		\$0.00		\$1,470.00	
• Preliminary Design Phase											
Team Kick-off Meeting/Solutions Charrette (1)	4	\$600.00	4	\$380.00	8	\$600.00		\$0.00		\$1,580.00	
Landscape Concepts Plans (with general Planting Concepts)	6	\$900.00	14	\$1,330.00	80	\$6,000.00		\$0.00		\$8,230.00	
Irrigation Concepts Plans	2	\$300.00	16	\$1,520.00	40	\$3,000.00		\$0.00		\$4,820.00	
Preliminary Details & Notes	2	\$300.00	4	\$380.00	24	\$1,800.00		\$0.00		\$2,480.00	
Preliminary Specifications	2	\$300.00	12	\$1,140.00		\$0.00	12	\$720.00		\$2,160.00	
Initial Cost Estimate	2	\$300.00	4	\$380.00	6	\$450.00	3	\$180.00		\$1,310.00	
Grading Coordination	2	\$300.00	6	\$570.00	8	\$600.00		\$0.00		\$1,470.00	
Project Team Meeting	4	\$600.00	4	\$380.00	2	\$150.00		\$0.00		\$1,130.00	
Project Team Coordination	4	\$600.00	8	\$760.00	4	\$300.00		\$0.00		\$1,660.00	
Review Meeting with COEP	4	\$600.00	4	\$380.00		\$0.00		\$0.00		\$980.00	
Renderings for Public Meeting (Max 3, combo of 2D & 3D)	2	\$300.00	18	\$1,710.00	12	\$900.00		\$0.00		\$2,910.00	
Public Meeting Attendance	4	\$600.00	4	\$380.00		\$0.00		\$0.00		\$980.00	
QA/QC	8	\$1,200.00		\$0.00		\$0.00		\$0.00		\$1,200.00	
QA/QC Revisions		\$0.00		\$0.00	20	\$1,500.00		\$0.00		\$1,500.00	
Preliminary Design Phase Subtotal	62	\$7,800.00	104	\$9,880.00	204	\$15,300.00	15	\$900.00		\$33,880.00	
• Pre-Final Design Phase											
Landscape Construction Plans	2	\$300.00	18	\$1,710.00	80	\$6,000.00		\$0.00		\$8,010.00	
Planting Plans	2	\$300.00	12	\$1,140.00	80	\$6,000.00		\$0.00		\$7,440.00	
Irrigation Plans	2	\$300.00	18	\$1,710.00	100	\$7,500.00		\$0.00		\$9,510.00	
Details & Notes Sheets	2	\$300.00	12	\$1,140.00	20	\$1,500.00		\$0.00		\$2,940.00	
Specifications	2	\$300.00	6	\$570.00		\$0.00	12	\$720.00		\$1,590.00	
Cost Estimate	1	\$150.00	3	\$285.00	6	\$450.00	2	\$120.00		\$1,005.00	
Project Team Meeting	5	\$750.00	5	\$475.00		\$0.00		\$0.00		\$1,225.00	
Project Team Coordination	4	\$600.00	6	\$570.00	12	\$900.00	4	\$240.00		\$2,310.00	
Review Meeting with COEP	4	\$600.00	4	\$380.00		\$0.00		\$0.00		\$980.00	
Public Meeting Attendance	4	\$600.00	4	\$380.00		\$0.00		\$0.00		\$980.00	
QA/QC	8	\$1,200.00		\$0.00		\$0.00		\$0.00		\$1,200.00	
QA/QC Revisions		\$0.00		\$0.00	36	\$2,700.00		\$0.00		\$2,700.00	
Site elements on-site verification	3	\$450.00	3	\$285.00		\$0.00		\$0.00		\$735.00	
Public Meeting Attendance	4	\$600.00	4	\$380.00		\$0.00		\$0.00		\$980.00	
Preliminary Design Phase Subtotal	43	\$4,468.00	78	\$7,025.00	334	\$25,050.00	18	\$1,080.00		\$41,663.00	
• Final Design Phase											
Landscape Construction Plans	2	\$300.00	16	\$1,520.00	80	\$6,000.00		\$0.00		\$7,820.00	
Planting Plans	2	\$300.00	12	\$1,140.00	80	\$6,000.00		\$0.00		\$7,440.00	
Irrigation Plans	2	\$300.00	20	\$1,900.00	120	\$9,000.00		\$0.00		\$11,200.00	
Enlargement Plans	2	\$300.00	30	\$2,850.00	60	\$4,500.00		\$0.00		\$7,650.00	
Detail & Notes Sheets	2	\$300.00	8	\$760.00	20	\$1,500.00		\$0.00		\$2,560.00	
Specifications	2	\$300.00	6	\$570.00	10	\$750.00	6	\$360.00		\$1,980.00	
Cost Estimate	1	\$150.00	3	\$285.00	6	\$450.00	1	\$60.00		\$945.00	
QA/QC	20	\$3,000.00		\$0.00		\$0.00		\$0.00		\$3,000.00	
QA/QC Revisions		\$0.00		\$0.00	36	\$2,700.00		\$0.00		\$2,700.00	

**Landscape Architectural Scope of Services/Person Hours for Lower Beaumont Recreational Facility
December 7, 2019**

Task Description	Site Southwest								Total
	Principal		Project Designer/ Graphic Specialist		Landscape/Irrigation Designer		Administrative Assistant		
	Hours	Rate	Hours	Rate	Hours	Rate	Hours	Rate	
		\$150.00		\$75.00		\$75.00		\$40.00	
Rendering for DRC & Public Meeting 2D & 3D (up to 3 - 24X36 Boards)	2	\$300.00	24	\$2,280.00	18	\$1,350.00		\$0.00	\$3,930.00
CDR/Public Meeting Attendance	4	\$600.00	4	\$380.00		\$0.00		\$0.00	\$980.00
Final Design Phase Subtotal	39	\$4,850.00	123	\$11,485.00	430	\$32,250.00	7	\$420.00	\$50,205.00
• Final Check Revisions(100%)									
Incorporate Final Redlines & Comments	2	\$300.00	12	\$1,140.00	40	\$3,000.00		\$0.00	\$4,440.00
Final Specifications/Bid Documents	4	\$600.00	8	\$570.00		\$0.00	8	\$480.00	\$1,650.00
Final Cost Estimate	1	\$150.00	4	\$380.00	8	\$600.00	4	\$240.00	\$1,370.00
Review Meeting with COEP	4	\$600.00	4	\$380.00		\$0.00		\$0.00	\$980.00
Public Meeting Attendance	4	\$600.00	4	\$380.00		\$0.00		\$0.00	\$980.00
QA/QC	12	\$1,800.00	18	\$1,710.00		\$0.00		\$0.00	\$3,510.00
QA/QC Revisions		\$0.00		\$0.00	32	\$2,400.00		\$0.00	\$2,400.00
Design Phase: Printing, Copies, Mileage		\$0.00		\$0.00		\$0.00		\$0.00	\$1,200.00
Final Check Subtotal	27	\$4,050.00	48	\$4,640.00	80	\$4,000.00	12	\$720.00	\$14,390.00
Design Phase Total	161	\$34,150.00	370	\$35,150.00	1048	\$78,650.00	23	\$1,120.00	\$142,220.00
2 Bidding & Construction Phase									
• Bidding Phase									
Attend Pre-Bid Conference	3	\$450.00	3	\$285.00		\$0.00		\$0.00	\$735.00
Respond to Prospective Bidders & provide plan clarifications	4	\$600.00	8	\$855.00	10	\$750.00		\$0.00	\$2,205.00
Addenda Preparation	3	\$450.00	8	\$760.00	10	\$750.00	2	\$120.00	\$2,080.00
• Construction Phase									
Attend Pre-Construction Conference	3	\$450.00	3	\$285.00		\$0.00		\$0.00	\$735.00
Attend Public Meeting	3	\$450.00	3	\$285.00		\$0.00		\$0.00	\$735.00
Bi-Weekly Site Visits (total 20 visits assumed)	20	\$3,000.00	40	\$3,800.00		\$0.00	20	\$1,200.00	\$8,000.00
Review Shop Drawings/RFBs/Submittals	2	\$300.00	5	\$475.00	10	\$750.00	2	\$120.00	\$1,645.00
Substantial completion (Punch List) walkthrough	8	\$1,200.00	8	\$760.00		\$0.00	4	\$240.00	\$2,200.00
Prepare Substantial completion Report (Punch List)	3	\$450.00	6	\$570.00		\$0.00	4	\$240.00	\$1,260.00
Final Inspection Site Visit	6	\$900.00	6	\$570.00		\$0.00		\$0.00	\$1,470.00
Final Inspection Report to Verify Punch List	2	\$300.00	4	\$380.00		\$0.00	3	\$180.00	\$860.00
As-built drawing preparations		\$0.00	6	\$570.00	12	\$900.00		\$0.00	\$1,470.00
Warranty inspection & Report	4	\$900.00	6	\$570.00		\$0.00	1	\$60.00	\$1,530.00
Bidding & Construction Phase: Printing, Copies, Mileage		\$0.00		\$0.00		\$0.00		\$0.00	\$900.00
Bidding & Construction Phase SubTotal	63	\$9,450.00	107	\$10,165.00	42	\$3,160.00	34	\$2,160.00	\$25,825.00
TOTAL ALL PHASES	224	\$33,600.00	477	\$45,315.00	1,090	\$81,750.00	88	\$4,280.00	\$168,945.00

As discussed with Ms. Deborah Hradek, a 14.5% across the board cut was made at the request of the City. (*No Construction Phase Services until we know what will be built)
 (\$168,045.00 - *\$25,825.00) X 85.5% =

\$125,890.20

PROPOSAL

DATE	12.09.2019
PROPOSAL #	1962-02
PROJECT #	1962
DUE DATE	PER PHASE
TABS #	

BROCK & BUSTILLOS, LLC
Attn. Mr. Sergio Adame, PE, CNU-A
417 Executive Center Blvd
El Paso, TX 79902
915.542.4900
sergio@brockbustillos.com

[illegible]

1. Total payment required in order to proceed to next phase
2. Please include the PROJECT # on your check
3. Contact us for convenient credit card payment

Subtotal	10,125.00
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TOTAL	\$ 10,125.00
--------------	---------------------

Make all checks payable to
LATTICE blue, LLC

ALL FEES ARE NON-REFUNDABLE AND MUST BE PAID PRIOR TO SERVICES BEING PERFORMED, PER TDLR RULE 68.80

If you have any questions about this invoice, please contact me at

abril@latticeblue.com

Thank You For Your Business!

As discussed with Ms. Abril Parra, a 14.5% across the board cut was made at the request of the City.
 (\$10,125.00) X 85.5% =

\$8,656.88

December 12, 2019

Roman Bustillos, P.E., CNU-A
Brock & Bustillos, Inc.
417 Executive Center Blvd.
El Paso, Texas 79902

Re: Recreational Facility Lower Beaumont Property Ft. Bliss Solicitation # 2020-073R

Dear Roman;

It is with great pleasure we submit our fee proposal for the renovation of the Lower Beaumont Park. Our fee proposal is based on the last (revised) Scope of Services provided by you.

Our fee includes the following Sub Tasks items:

Sub Task B010 Project Management
Sub Task B060 Sun Metro and Bike Routes
Sub Task B080 Improvement Design
Sub Task B140 Technical Specifications
Sub Task B160 Contract Documents
Sub Task B170 Construction Administration Services, (see note below)

Exigo Architects scope of work will include the following:

Project Management, Public Involvement assistance only, assistance with location of Sun Metro and Bike Routes, Full Site investigation related to our scope of work, create as-builts of our work, Demolition plans (architectural only) of all designated demo structures and plans and/or specifications for new shelter/new restrooms, cost estimate (total of 3) for the demolition and new structures. Respond to review comments at all phases. Attend the kick-off design meeting and coordination meetings. Assistance during bid phase with addendums, questions and comments, and construction permit review process only. Coordination with all other trades pertaining existing and/or new work included in this proposal.

This proposal does not include the following:

1. Maintenance and Equipment Storage re-purposed building, since currently is unknown.
2. Coordination for any art or sculpture infrastructure.
3. Facility or monument signs.
4. Historic mitigation under the Texas Historic Commission (THC).
5. Construction Administration, such as weekly meetings, RFI's, ASI's, Change Orders, Shop Drawing Submittal, Site visit reports, Substantial Completion, Punch List, Final Inspections, Prepare Digital record drawings, Etc.
6. No hours included for the Maintenance and Storage building. This can be as a separate proposal or as needed per hourly rates, plus material.
7. Demolition of structures: Structural, Mechanical, Plumbing and Mechanical not included.

architecture . interiors
planning . project management

211 N. Florence Suite 204
El Paso, Texas 79901
www.exigoarch.com
phone 915.533.0323
fax 915.533.0332

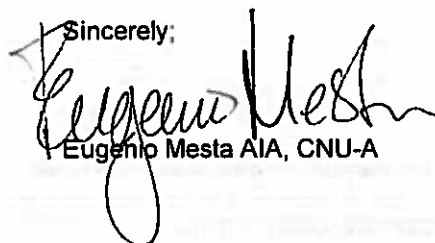
There will be 4 phases in the design process with review meetings at the end of each phase including bidding phase. Our Fixed Fee Proposal for the above scope of work is **\$44,157.83** and our work will be submitted as:

1	Exlgo Architects		%	Amount
2	Preliminary		20%	\$ 7,215.87
3	Pre-Final Design		55%	\$ 19,843.63
4	Final		15%	\$ 5,411.90
5	Bidding		10%	\$ 3,607.93
6	Construction Administration		0%	\$ -
7			Total Sum	\$ 36,079.33
8	Expenses			
9	Cost Estimate			\$ 8,078.60
10	Printing and technology			\$ -
11	Topographic Survey			
12	Boundary Survey			
13	Soils and Foundation			
14				\$ 44,157.93

In addition to the above fixed fee, additional tasks requested and listed in our proposal will charge separate as follows:

Senior Principal	Eugenio Mesta		\$196.35
Project Manager	Jesus Ortega		\$127.52
Design Manager	Alberto Garcia		\$105.00
REVIT			\$75.00
REVIT			\$75.00
Construction Admin			\$125.00
Clerical			\$45.00

We see this project as the beginning of a working relation, and we appreciate the opportunity to submit this proposal and look forward to working with you. If you have any questions, please do not hesitate to contact me.

Sincerely;

 Eugenio Mesta AIA, CNU-A

LEE ENGINEERING, LLC.
PROJECT BUDGET SHEET

PROJECT NAME:		Recreational Facility at Lower Beaumont Property Improvements			
PROPOSAL NUMBER:		2019-1015			
REVISION DATE:		December 12, 2019			
FEE TYPE:		Lump Sum			
PREPARED BY:		Willie Roman, PE, PTOE			
PROJECT MGR:		Willie Roman, PE, PTOE			
1 - CONCEPT LAYOUT DESIGN PHASE					
LEE ENG LABOR:		\$	42,757.17		
STUDY FEE:			\$		42,757.17
2 - PRELIMINARY DESIGN PHASE					
LEE ENG LABOR:		\$	32,464.52		
DESIGN FEE:			\$		32,464.52
3 - PRE-FINAL DESIGN PHASE					
LEE ENG LABOR:		\$	18,915.27		
DESIGN FEE:			\$		18,915.27
4 - FINAL DESIGN PHASE					
LEE ENG LABOR:		\$	11,281.76		
DESIGN FEE:			\$		11,281.76
5 - BID PHASE					
LEE ENG LABOR:		\$	1,945.55		
BIDDING COSTS:			\$		1,945.55
6 - CONSTRUCTION PHASE					
LEE ENG LABOR:		\$	-		
CONSTRUCTION COSTS:			\$		-
OTHER DIRECT COSTS					
DIRECT EXPENSES:		\$	347.00		
DIRECT COSTS MARKUP:		10% \$	34.70		
SUBCONSULTANT MARKUP:		0% \$	-		
OTHER DIRECT COSTS:			\$		381.70

TOTAL SUBCONSULTANT'S FEES:

TRAFFIC COUNTS

LEE DESIGN LABOR FEE	\$	105,418.71
SUBCONSULTANT'S DESIGN LABOR FEES	\$	-
BID LABOR COSTS	\$	1,945.55
CONSTRUCTION ADMIN LABOR COSTS	\$	-
OTHER DIRECT COSTS	\$	381.70

TOTAL CONTRACT AMOUNT

\$ 107,745.96

LEE ENGINEERING, LLC.
PROJECT BUDGET SHEET

[illegible]

PROJECT BUDGET SHEET-DETAIL
Lee Engineering, LLC

PROJECT NAME		Recreational Facility at Lower Beaumont Property Improvements						Dec/12/2018	
Proposed:	2018-10-15	Principal Engineer	Project Manager	Project Engineer	Senior Civil Designer	Civil Designer	Engineering CAD Draftsman	Administrative Assistant	TOTAL HOURS
		Paul Bernstone, PE, PTOE	Willie Roman, PE, PTOE	Chris Sabo, PE	Bismarck Acosta, BSE	Marco Barrera			
		\$375.00	\$187.27	\$122.32	\$158.73	\$65.17	\$75.00	\$50.00	
CONCEPT LAYOUT DESIGN PHASE (See Column 6)									
CONCEPT LAYOUT	Task 10 - Project Management								
	Design Meetings, Communication & Records		9.0	2.0	4.0	4.0			19.0
	Coordination with City/Agencies		3.0	3.0					6.0
	General Administration	1.0	4.0		4.0		3.0		12.0
	Coordination with Client	1.0	4.0						5.0
	Sub-Total Hours - Task 10	2.0	16.0	4.0	8.0	4.0	3.0	4.0	37.0
	Task 20 - Public Involvement								
	Develop & attend for Open House Meeting		2.0		4.0	4.0		1.0	11.0
	Open House Meeting		4.0						4.0
	Sub-Total Hours - Task 20	0.0	6.0	0.0	4.0	4.0	0.0	1.0	14.0
CONCEPT LAYOUT	Task 30 - Roadway and Site Improvements Evaluation								
	Field Review		2.0	4.0	4.0	4.0			14.0
	Review agency Traffic Impact Analysis and Provide Recommendations		0.0	0.0					0.0
	Intersection Capacity Analysis for Roundabout at Russell/Fred Wilson		5.0	8.0	12.0	4.0			29.0
	Intersection Capacity Analysis for Roundabout at the connection with Piggs Dr		5.0	4.0	12.0	4.0			25.0
	Intersection Capacity Analysis for Roundabout at the connection with EPRD Int to Piggs Dr		5.0	4.0	12.0	4.0			25.0
	Preliminary Concept for Three Roundabouts		0.0	24.0	12.0	0.0			36.0
	CAVOC	2.0							2.0
	Sub-Total Hours - Task 30	2.0	36.0	24.0	32.0	16.0	0.0	0.0	100.0
	Task 40 - Signage, Striping and Traffic Signalization								
CONCEPT LAYOUT	Review concepts of signing and marking plans		4.0	0.0	4.0				8.0
	Sub-Total Hours - Task 40	0.0	4.0	0.0	4.0	0.0	0.0	0.0	8.0
	Task 130 - Electrical and Illumination Review & Design								
	Perform Street Lighting Analysis for Internal Private and Trunk		4.0	20.0	12.0	6.0			42.0
	Conceptual Lighting Layout		1.0	5.0	4.0				10.0
	CAVOC	1.0							1.0
	Sub-Total Hours - Task 130	1.0	5.0	25.0	16.0	6.0	0.0	0.0	47.0
	Task 180 - Synthesis of Profitable Construction Cost								
	Develop Traffic EOPCC for Concepts		6.0	10.0	10.0				26.0
	CAVOC	1.0							1.0
	Sub-Total Hours - Task 180	1.0	6.0	10.0	10.0	0.0	0.0	0.0	27.0
Sub-Total Hours - CONCEPT LAYOUT DESIGN PHASE		4.0	58.0	38.0	56.0	20.0	0.0	1.0	177.0
Sub-Total Labor Cost - CONCEPT LAYOUT DESIGN PHASE		\$1,650.00	\$14,427.72	\$12,166.67	\$12,519.24	\$1,014.41	\$225.00	\$40.00	\$42,042.04

PROJECT BUDGET SHEET-DETAIL
Lee Engineering, LLC

PROJECT NAME:		Recreational Facility at Lower Beaumont Property Improvements							Dec/12/2019
Proposed by:	2018-0018	Principal Engineer	Project Manager	Project Engineer	Senior Civil Designer	Civil Designer	Engineering CAD Draftsman	Administrative Assistant	TOTAL HOURS
		Paul Bertolotto, PE, PTOE	Willie Ransom, PE, PTOE	Chris Sehn, PE	Dwight H. Acosta, BSE	Marcus Serrano			
		\$15,000	\$187.37	\$1,013.35	\$1,706.75	\$88.17	\$15,000	\$57.00	
PRELIMINARY DESIGN	Task 10 - PROJECT MANAGEMENT								
	Design Meetings, Communication & Records/Design Monitoring Report Team Schedule			9.0	2.0	4.0	4.0		19.0
	Coordination with Consultants			5.0	2.0				7.0
	General Administration			4.0		4.0	4.0		12.0
	Coordination with Client	1.0		4.0					5.0
	Sub-Total Hours - Task 10	1.0		18.0	6.0	8.0	8.0	8.0	50.0
	Task 20 - PUBLIC PARTICIPATION								
	Conduct 3 public Open House Meetings			2.0		2.0	2.0	1.0	7.0
	Open House Meeting			4.0					4.0
	Sub-Total Hours - Task 20	0.0		6.0	2.0	2.0	2.0	1.0	13.0
	Task 30 - SIGNAGE, MARKING AND TRAFFIC SIGNALIZATION								
	Review Project Signing and Marking Plans			8.0	8.0	4.0			20.0
	Sub-Total Hours - Task 30	0.0		8.0	8.0	4.0	0.0	0.0	20.0
	Task 100 - TRAFFIC SIGNALIZATION, TRAFFIC ALLOCATION AND DESIGN								
	Review Project Roadways and Site Improvements/Design Related to Traffic Engineering			8.0	8.0	8.0			24.0
	Provide Horizontal Design for Three Roundabouts	2.0		8.0	12.0	8.0	8.0		36.0
	Provide Draft Engineering Design Specs			4.0	4.0				8.0
	Sub-Total Hours - Task 100	2.0		20.0	24.0	16.0	8.0	0.0	60.0
	Task 110 - TRAFFIC CONTROL PLANS AND CONSTRUCTION SEQUENCING								
	Review Traffic Control Plans			8.0	8.0	4.0			20.0
	Sub-Total Hours - Task 110	0.0		8.0	8.0	4.0	0.0	0.0	20.0
	Task 120 - SUBSTANCES, IMPROVEMENT, BULKHEAD AND DISTURBANCE DESIGN COORDINATION								
	Project Internal Roadway and Trail Lighting Studies			3.0	20.0	15.0	10.0		48.0
	CAVOC	1.0							1.0
	Sub-Total Hours - Task 120	1.0		3.0	20.0	15.0	10.0	0.0	49.0
	Task 140 - TECHNICAL SIGN MARKINGS								
	Prepare Index of Signs				3.0				3.0
	Determine need of special specifications			2.0					2.0
	CAVOC	1.0							1.0
	Sub-Total Hours - Task 140	2.0		2.0	3.0	0.0	0.0	0.0	5.0
	Task 150 - SPECIALTY SIGNAGE								
	Designing of Portable Demarcation Guard			4.0	8.0		6.0		18.0
	CAVOC	1.0							1.0
	Sub-Total Hours - Task 150	1.0		4.0	8.0	0.0	6.0	0.0	19.0
	Sub-Total Hours - PRELIMINARY DESIGN PHASE	6.0		50.0	58.0	30.0	24.0	1.0	169.0
Sub-Total Labor Cost - PRELIMINARY DESIGN PHASE		\$1,500.00	\$1,187.37	\$1,013.35	\$1,706.75	\$1,092.24	\$1,000.00	\$112.50	\$1,422.22

PROJECT BUDGET SHEET-DETAIL
Lee Engineering, LLC

PROJECT NAME:		Recreational Facility at Lower Beaumont Property Improvements							Dec/12/2019
Proposed:		Principal Engineer	Project Manager	Project Engineer	Senior Civil Designer	Civil Designer	Engineering CAD Drafter	Administrative Assistant	TOTAL HOURS
2018-0012		Paul Barrington, PE, PTOE	Willie Roman, PE, PTOE	Chris Deane, PE	Bonnie Acosta, ST	Marla Barrios			
		\$175.00	\$197.27	\$122.22	\$106.71	\$61.17	\$75.00	\$50.00	
PRE-FINAL DESIGN	PRE-FINAL DESIGN PHASE (18 Calendar Days)								
	Task 10 - Project Management								
	Design Meeting, Communication & Records (Design Monitoring Report)		3.0						3.0
	Coordination with City/Agencies, attend GOF and Prepare Replies to Design Review Forms		2.0	2.0					4.0
	General Administration	1.0		2.0					3.0
	Coordination with Client		2.0						2.0
	Sub-Total Hours - Task 10	1.0	5.0	2.0	0.0	0.0	0.0	0.0	8.0
	Task 105 - Surveying, Mapping and Traffic Engineering								
	Review Revised Project Surveying and Mapping Plans		4.0	3.0					7.0
	Sub-Total Hours - Task 105	0.0	4.0	3.0	0.0	0.0	0.0	0.0	7.0
	Task 108 - Traffic Engineering, Traffic Integration and Survey								
	Review Revised Project Roadway and Site Improvement Designs related to Traffic Engineering		4.0	3.0	3.0				10.0
	Review Horizontal Design for three Roundabouts		3.0	8.0	4.0	4.0			19.0
	GAOCC	1.0							1.0
	Sub-Total Hours - Task 108	1.0	7.0	11.0	7.0	4.0	0.0	0.0	30.0
	Task 110 - Traffic Control Plans and Signalization Engineering								
	Review Revised Traffic Control Plans		3.0	3.0	2.0				8.0
	Sub-Total Hours - Task 110	0.0	3.0	3.0	2.0	0.0	0.0	0.0	8.0
	Task 112 - Landscaping, Irrigation, Electrical and Illumination Design Coordination								
	Review Internal Roadway and Trail Lighting Schemes		2.0	10.0	8.0	5.0			25.0
	GAOCC	1.0							1.0
	Sub-Total Hours - Task 112	1.0	2.0	10.0	8.0	5.0	0.0	0.0	26.0
	Task 115 - Technical Specifications								
	Prepare Tech Specs		2.0	10.0		4.0			16.0
	Prepare special specifications		2.0	4.0					6.0
	GAOCC	1.0							1.0
	Sub-Total Hours - Task 115	1.0	4.0	14.0	0.0	4.0	0.0	0.0	19.0
	Task 118 - Review of Probable Construction Cost								
	Develop EDOCC		3.0	3.0		4.0			10.0
	GAOCC	1.0							1.0
	Sub-Total Hours - Task 118	1.0	3.0	3.0	0.0	4.0	0.0	0.0	11.0
	Task 120 - General Beaumont Deliverables								
	Complete Project Summary Sheet and Project Scope		1.0	4.0					5.0
	Prepare Bid Tabulation		1.0	4.0					5.0
	GAOCC	1.0							1.0
	Sub-Total Hours - Task 120	1.0	2.0	8.0	0.0	0.0	0.0	0.0	11.0
	Sub-Total Hours - PRE-FINAL DESIGN PHASE	5.0	20.0	38.0	17.0	17.0	0.0	0.0	107.0
Sub-Total Labor Cost - PRE-FINAL DESIGN PHASE		\$1,662.50	\$4,710.45	\$1,708.77	\$1,818.16	\$1,417.88	\$0.00	\$0.00	\$11,915.27

PROJECT BUDGET SHEET-DETAIL
Lee Engineering, LLC

PROJECT NAME:		Recreational Facility at Lower Beaumont Property Improvements							Dec/12/2018
Proposed #:	2018-1013	Principal Engineer	Project Manager	Project Engineer	Senior Civil Designer	Civil Designer	Engineering CAD Draftsman	Administrative Assistant	TOTAL HOURS
		Paul Battistone, PE, PTOE	Wade Roman, PE, PTOE	Chris Baker, PE	Sharon Acosta, B.T.	Mark Bennis			
		\$275.00	\$167.37	\$122.23	\$108.72	\$65.17	\$75.00	\$50.00	
FINAL DESIGN	FINAL DESIGN PHASE (15 Calendar Days)								
	Task 10 - Project Management								
	Design Meetings, Communication, & Records (Design Monitoring Report)			3.0					3.0
	Coordination with Agencies, Attend CDR and Prepare Replies to Design Review Forms			2.0	2.0				4.0
	General Administration	1.0		2.0					3.0
	Coordination with Client			2.0					2.0
	Sub-Total Hours - Task 10	1.0		5.0	2.0	0.0	0.0	0.0	12.0
	Task 20 - Public Involvement								
	Develop & Distribute for Open House Meeting			1.0	1.0	2.0			4.0
	Open House Meeting			4.0					4.0
	Sub-Total Hours - Task 20	0.0		5.0	1.0	2.0	0.0	0.0	8.0
	Task 100 - Signage, Signing and Traffic Signalization								
	Review Final Project Signing and Marking Plans			2.0	2.0				4.0
	Sub-Total Hours - Task 100	0.0		2.0	2.0	0.0	0.0	0.0	4.0
	Task 105 - Traffic Signalization, Traffic Mitigation and Design								
	Review Final Project Roadways and Site Improvements Design related to Traffic Engineering			2.0	3.0	2.0			7.0
	Finalize Horizontal Design for these Roadways			2.0	4.0	2.0	2.0		10.0
	QA/QC	1.0							1.0
	Sub-Total Hours - Task 105	1.0		4.0	7.0	4.0	2.0	0.0	18.0
	Task 110 - Traffic Control Plans and Construction Sequencing								
	Review Final Traffic Control Plans			2.0	1.0				3.0
	Sub-Total Hours - Task 110	0.0		2.0	1.0	0.0	0.0	0.0	3.0
	Task 120 - Shortlisted and Finalized Review & Design								
	Finalize Internal Roadway and Trail Lighting Sheets			1.0	4.0	3.0			8.0
	QA/QC	1.0							2.0
	Sub-Total Hours - Task 120	1.0		1.0	4.0	3.0	0.0	0.0	8.0
	Task 140 - Technical Specifications								
	Finalize Tech Specs			2.0	1.0				3.0
	Finalize special specifications			1.0					1.0
	QA/QC	1.0							2.0
	Sub-Total Hours - Task 140	1.0		3.0	1.0	0.0	0.0	0.0	4.0
	Task 180 - Division of Probable Construction Cost								
	Finalize EOP/C			2.0					2.0
	QA/QC	1.0							1.0
	Sub-Total Hours - Task 180	1.0		2.0	0.0	0.0	0.0	0.0	3.0
	Task 140 - Overall Development Deliverables								
	Asist with final and distribute Project Summary (scope of work etc.)			3.0					3.0
	Develop final Plan				2.0				2.0
	Prepare and Submit all Design Data Agency Coordination and Record Data				1.0				1.0
	QA/QC	1.0							1.0
	Sub-Total Hours - Task 140	1.0		3.0	3.0	0.0	0.0	0.0	7.0
	Sub-Total Hours - FINAL DESIGN PHASE	5.0		27.0	18.0	6.0	2.0	0.0	58.0
GRAND TOTAL (2018 COST) - FINAL DESIGN PHASE		\$1,275.00	\$1,000.00	\$1,016.00	\$1,087.00	\$1,477.00	\$1,000.00	\$500.00	\$11,111.00

PROJECT BUDGET SHEET-DETAIL
Lee Engineering, LLC

PROJECT NAME:		Recreational Facility at Lower Beaumont Property Improvements						Dec/12/2019	
Proposed:	2019-1919	Principal Engineer	Project Manager	Project Engineer	Senior Civil Designer	Civil Designer	Engineering CAD Drafterman	Administrative Assistant	TOTAL HOURS
		Paul Barrows, PE, PTOE	Willie Roman, PE, PTOE	Chris Baker, PE	Bismarck Acosta, BT	Marcus Barnes			
		\$275.00	\$187.37	\$125.23	\$108.72	\$25.17	\$75.00	\$50.00	
BID PHASE	BID PHASE (Estimated hours)								
	Meet in response to Contractor Questions		3.0			6.0			11.0
	Attend Prebid Conference		3.0						3.0
	Sub-Total Hours - BID PHASE	6.0	6.0	6.0	6.0	6.0	6.0	6.0	54.0
	Sub-Total Labor Cost - BID PHASE	\$2.00	\$1,184.22	\$3.00	\$3.00	\$161.35	\$3.00	\$3.00	\$1,945.55
	CONSTRUCTION PHASE								
	Attend preconstruction meeting								0.0
	Conduct with GC/CM and Contractor for construction meetings								0.0
	Address requests for information (RFIs)								0.0
	Review submittals and sub-issues								0.0
	Conserve construction of improvements								0.0
	Attend substantial completion walk-through meeting								0.0
	Prepare punch list for final approval								0.0
	Attend final completion walk-through meeting								0.0
	Sub-Total Hours - CONSTRUCTION PHASE	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	Sub-Total Labor Cost - CONSTRUCTION PHASE	\$2.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00
TOTAL PROJECT HOURS									
TOTAL PROJECT LABOR COST									\$19,343.55

LEE ENGINEERING, LLC

December 11, 2019

Roman Bustillos, P.E., CNU-A
President
Brock and Bustillos Inc
417 Executive Center Blvd.
El Paso, Texas 79902

CITY OF EL PASO – CID PROJECT
FACILITY IMPROVEMENT AT LOWER BEAUMONT

Mr Bustillos,

We appreciate the inclusion of HKN Engineers on your team for the subject project with the city of El Paso, Texas. We have received scoping documents from your office which were prepared by the project manager for the city of El Paso. We understand that the design team will participate in the full process of the projects from inception to construction. Project Delivery of all projects through construction documents shall take place in 2019 and early 2020 with an anticipated start of construction in 2020.

- Full Structural Design in compliance with the 2015 IBC
- Construction Documents

	<u>% of the Fee</u>
- Conceptual Design Phase	10%
- Preliminary Design	35%
- Pre-Final Design	25%
- Final Design	25%
- Bidding Services	5%

We also anticipate that the foundation for the public art pieces will part our structural design.

The Construction Administration services fee will be submitted for approval once the bid is awarded. This fee will be broken down on a time and materials basis.

We understand that the project involves the following description of budget & size. The specifics of the project are summarized below:

SCOPE

\$4,000,000 CONSTRUCTION BUDGET
STRUCTURAL ASSESSMENT REPORT OF EXISTING WAREHOUSE REPURPOSED FOR EQUIPMENT
STORAGE, MAINTENANCE OCCUPANCY,
RESTROOMS, BASEBALL FIELD DUGOUTS
6,000 SF
MISCELLANEOUS SITE FOUNDATIONS
FIELD LIGHT POLES, PARKING LOT LIGHT POLES, SCOREBOARD, ART PIECE (1)
ANCILLARY STRUCTURES:
MONUMENTAL SIGN, METAL PICNIC CANOPIES

EXCLUSIONS

ART PIECE STRUCTURE ABOVE FOUNDATION, ASSESSMENT OF BUILDING 7167, CONCESSIONS STAND

FEES

A total lump sum fee of \$ 19,200 is proposed for the scope of services described herein.

Firm#: F-001239

www.hknengineers.com
5825 Onix Dr / El Paso, Texas 79912 / ph. 915.833.2100 / fax. 915.833.3855

The portion of the Fee corresponding to the Bidding Phase is \$ 960 (5%) according the following Hourly Breakdown:

HKN Bidding Hourly Breakdown

	Principal Engineer	Project Engineer	Staff Engineer	Drafting	Clerical	Cost
Task	\$ 150.00	\$ 150.00	\$ 110.00	\$ 75.00	\$ 60.00	
Pre-Bid Conference	1					\$ 150.00
RFI's	5				1	\$ 660.00
Total	6	0	0	0	1	\$ 960.00

ADD SERVICES FEES

For additional services and within the allocation of resources to the project the following Hourly Rates shall be Applicable:

Principal PM	\$150
Project Engineer	\$150
Staff Engineer	\$110
Senior Drafting / BIM Coordinator	\$90
Drafting	\$75
Modeler	\$75
Administrative	\$60

We thank you for the consideration of our firm for these services and look forward to this new venture with Brock and Bustillos, Inc. Please call us with any questions or comments regarding the project, scope of services and related fee.

Respectfully submitted,



Javier Carlin, P.E.
Principal

ATTACHMENT "C"
CONSULTANT'S BASIC AND ADDITIONAL SERVICES

For the **"RECREATIONAL FACILITY LOWER BEAUMONT PROPERTY - FT. BLISS"** hereinafter referred to as the Project, the Consultant will provide the Basic and Additional Services as noted herein.

BASIC SERVICES OF THE CONSULTANT

GENERAL

1. The Consultant agrees to perform professional services in connection with the Project as hereinafter stated.
2. The Consultant shall comply with the City of El Paso Engineering Department Construction Document Guidelines, which are in effect at the time of this Agreement and are available in the City Engineering Department, in the performance of the services requested under this Agreement.
3. The Consultant shall serve as the Owner's professional representative in those phases of the Project to which this Agreement applies, and shall give consultation and advice to the Owner during the performance of services.
4. The Owner is relying upon the skill, reasonable care and knowledge of the Consultant to furnish the Owner with oversight and management of the Project within the allocated budget. The Owner's review of any documents prepared by the Consultant is only general in nature and its obligation to approve and accept the work in no way relieves the Consultant of responsibility for any specific deficiencies in the project.

REPORT/CONCEPT PHASE

1. Upon receipt of the Owner's written authorization to proceed with the **Report Phase**, the Consultant shall:
 - a. Consult with the Owner to determine the requirements of the Project and together with the Owner develop a mutually acceptable scope for the Project.
 - b. Provide preliminary investigations, studies, topographic surveys including ties to known monuments of right-of-way lines, general supervision of any other services obtained as described in Part 1.c. of this section and interpreting or incorporating results of any such services for inclusion in the Preliminary Study and Report referred to in Part 1.d. of this section.
 - c. (1) Provide consultation and advice as to the necessity of providing or obtaining other services such as: (a) Property surveys, boundary surveys, right-of-way surveys, and utility surveys, (b) Core borings, probings, and hydrographic surveys, (c) Laboratory testing, and (d) Inspection or other special consultation; (2) Act as the Owner's representative in

connection with such services; and (3) If concurred with and authorized by the Owner, provide, procure, or assist in procuring such Additional Services.

d. Prepare a Preliminary Study and Report on the Project based on the mutually accepted program in sufficient detail to indicate clearly the problems involved and the alternative solutions available to the Owner, to include schematic layouts, sketches, flow diagrams and reports of studies, and a general opinion of probable construction costs for such of the above listed improvements to be included in the Project, and to set forth the Consultant's recommendations.

e. As per Attachment "D", furnish the Preliminary Study and Report and a general opinion of probable construction cost opinion to the Owner.

2. Upon receipt of the Preliminary Study and Report and before the Consultant is authorized to proceed with the Preliminary Design Phase, the Owner at its option may designate in writing various construction contracts into which the Project shall be divided, each of which may include one or more of the above listed improvements to be constructed. If the Owner designates various construction contracts into which the Project is to be divided, the Consultant shall thereafter treat each construction contract as a separate Project under this Agreement. Each construction contract shall be separately bid and the Consultant shall prepare separate preliminary design, and final design drawings, specifications, proposal forms, notices to bidders, construction contract documents, and other required documents for each construction contract.
3. As identified in the Scope of Work in Attachment "A", the Consultant shall investigate the extent and character of any potential soil or water contamination on the properties identified in the Scope of Work, conduct asbestos investigations, environmental site assessments, and provide other environmental engineering services as required and authorized. Services not included in the original scope of work shall be considered Additional Services. The Consultant shall perform such professional services as may be necessary to accomplish the work required to be performed under this Agreement, in accordance with this Agreement, applicable Texas Commission on Environmental Quality and Texas Department of State Health Services Regulations, and any and all applicable state, federal and local laws. The Consultant shall develop an Investigation Plan for the identified properties. Upon approval of the Investigation Plan by the City, the City shall arrange to issue a Notice to Proceed for the Consultant to proceed in relation to an identified property.

PHASE I - PRELIMINARY DESIGN PHASE

The Consultant shall do the following:

1. Consult with the Owner to determine the Owner's requirements for the Project.
2. Provide at the Consultant's sole expense right-of-way surveys, boundary surveys, topographic surveys, drainage surveys, and soil investigations as needed to design the Project and as required by the Scope of Work of the Agreement; obtain all available information from all utility companies and other affected agencies including, but not limited to, the Texas Department of Transportation and the U.S. Department of Interior,

Bureau of Reclamation, as needed to complete the proper design. This does not, however, include property surveys and legal descriptions as needed to acquire additional right-of-way or additional property.

3. Obtain all available horizontal and vertical locations of public utilities, and fully coordinate design of the Project with public utilities in an effort to minimize relocation of utilities as much as possible.
4. Make drawings from field measurements of existing construction when required for planning additions or alterations thereto.
5. Provide consultation and advice as to the necessity of providing or obtaining other services such as the types described herein, and act as the Owner's representative in connection with any such services, and if concurred with and authorized by the Owner, provide, procure, or assist in procuring such Additional Services.
6. Review with the Owner alternative approaches in regard to the construction of the Project. The Owner at its option may designate in writing various construction contracts into which the Project shall be divided. The Consultant may request additional reasonable compensation if the Owner designates various construction contracts into which the Project is to be divided. The Consultant shall thereafter treat each construction contract as a separate Project under this Agreement. Each construction contract shall be separately bid and the Consultant shall prepare separate preliminary design, pre-final design, and final design specifications, proposal forms, notices to bidders, construction contract documents, and other required documents for each construction contract.
7. Prepare for approval by the Owner preliminary design documents consisting of evaluation of existing structural report, design criteria, drawings, and outline specifications to develop, and establish the scope of each construction contract.
8. Prepare a detailed opinion of probable construction costs for each construction contract containing the main construction components, based on the information given in the preliminary design documents.
9. As per Attachment "D", furnish copies of the above preliminary design documents and opinion of probable construction costs for each construction contract. If the above preliminary design documents are not approved by the Owner, the Consultant shall furnish copies of the resubmitted preliminary design documents at no additional cost to the Owner.

PHASE II - PRE-FINAL DESIGN PHASE

The Consultant shall do the following separately:

1. Prepare required documents and assist the Owner in obtaining approval of such governmental authorities as may have jurisdiction over the design criteria applicable to each construction contract. The Consultant's assistance in obtaining such approvals shall include participation in submissions to and negotiations with the appropriate authorities.

The Consultant shall be fully responsible for coordination with all utility companies to resolve conflicts pertaining to location of utility lines and shall exercise customary and usual professional care for obtaining utility clearances. Since some utility locations may not be recorded or mapped, additional efforts to locate utilities maybe required as an additional service upon written approval of the Owner.

2. On the basis of the approved preliminary design documents and subject to approval of design criteria, prepare for incorporation in the construction contract documents detailed drawings and plans, hereinafter called the "**Drawings**," to show the character and scope of the work to be performed by construction contractors on each construction contract, instructions to bidders, general conditions, special conditions, and technical provisions, hereinafter called "**Specifications**." These plans shall include the required cross sections from actual fieldwork for estimated earthwork quantities.
3. Advise the Owner of any adjustment to the Consultant's previous opinion of probable construction costs for each construction contract caused by changes in scope, design requirements, general market conditions, or construction costs and furnish a revised opinion of probable construction costs, based on the completed Drawings and Specifications. The Consultant expressly authorizes any person designated by the Owner to review at any time prior to the Bidding Phase any opinion of probable construction costs made by the Consultant. The Consultant agrees to cooperate fully in such review, and shall furnish the access to all pertinent information upon which the Consultant's cost opinions were based. In addition, detailed estimates to include orderly presented takeoff sheets, summary and main summary sheets are to be provided to the Owner. Nothing in this provision shall be construed as limiting or waiving the right of the Owner to obtain such information at any other time, or as relieving the Consultant of the responsibility of preparing opinions of probable construction costs. The Owner understands that the Consultant has no control over the cost of availability of labor, equipment, market conditions, or the contractor's method of pricing and that the Consultant's opinion of probable construction costs are made on the basis of professional judgment and experience. The Consultant makes no warranty that the bids will not vary from the opinion of probable construction costs.
4. Prepare proposal forms.
5. As per Attachment "D", furnish to the Owner copies of the Drawings for review by the Owner, other governmental authorities, and the public utilities. If the Drawings are not approved by the Owner, the Consultant shall furnish copies of the resubmitted Drawings at no additional cost to the Owner. Furnish to the Owner copies of the Specifications and copies of the design analysis showing all engineering calculations for review by the Owner, other governmental authorities who may have jurisdiction over each construction contract, and the public utilities.

PHASE III - FINAL DESIGN PHASE

The Consultant shall do the following:

1. Incorporate changes requested by the Owner and other governmental authorities after review of pre-final design documents and perform redesign necessitated by public utility conflicts.
2. Coordinate closely with utility companies during the Preliminary Design and Pre-Final Design Phases. The amount of redesign necessary to accommodate utility company comments on the pre-final design drawings is expected to be in proportion to the effectiveness of that coordination and is to be performed by the Consultant as part of the Final Design Phase of this Agreement. The Consultant shall obtain written utility clearance from all utility companies affected by the scope of this Project as part of the Final Design Phase of this Agreement.
3. Submit to the Texas Department of Licensing and Regulation, or a State Certified ADA consultant, a set of Final Design Drawings for ADA review and approval.
4. As per Attachment "D", furnish to the Owner copies of final design Drawings and Specifications for review and approval prior to the reproduction for bidding purposes.
5. As per Attachment "D", furnish to the Owner copies of the Drawings and Specifications in final approved form for bidding purposes for each construction contract.
6. Additional copies of the drawings and specifications beyond those identified in Attachment "D", required for public utilities and other agencies, will be provided by the Consultant as an Additional Service.

BIDDING PHASE

Upon receipt of Owner's written request, the Consultant shall provide any of the following services during the Bidding Phase:

1. Assist the Owner in the determination of the bidding period and bid date and provide necessary data for preparation of the notice to bidders by the Owner as required for advertising purposes.
2. Assist the Owner in responding to all questions from prospective bidders concerning the Drawings and Specifications.
3. Attend a pre-bid conference, if any, to explain the Project and to answer questions regarding the Project.
4. Prepare addenda to the Drawings and Specifications as may be required during the advertising period. Any addenda issued shall be approved by all agencies having approval

authority over the Drawings and Specifications. As per Attachment “D”, deliver copies of all addenda to the Owner for appropriate action.

5. As identified in Attachment “A”, assist the Owner in evaluating bids, including obtaining and providing to the Owner reasonably available information as to the quality, ability, and performance record of the three lowest responsible bidders or assist the Owner in rating all bidders using Best Value Evaluation Criteria provided by the Owner, including obtaining and providing to the Owner reasonably available information as to the quality, ability, and performance record of the bidders. If Best Value Evaluation Criteria are required after the consulting fees have been negotiated and accepted, Consultant may request Additional Services fees.
6. Advise the Owner concerning the acceptability of subcontractors and other persons and organizations proposed by the general construction contractor for those portions of the work for which such acceptability is required by the construction contract documents.

CONSTRUCTION PHASE: NOT APPLICABLE

At Owner’s request, the Consultant shall provide any of the following services associated with the Construction Phase:

1. Attend the pre-construction conference to assist the Owner in responding to all questions from the construction contractor.
2. Advise and consult with the Owner and act as the Owner’s representative as provided in the general conditions of the Agreement included in the construction contract. Such general conditions shall be the Owner’s standard general conditions for construction projects, with such changes and modifications as may be made in such general conditions being agreed to by both the Consultant and the Owner.
3. Unless otherwise stipulated in Attachment “A”, Scope of Services, the Consultant will stake one set of control stakes for the construction contractor.
4. Visit each construction site at least once each week or more frequently, if necessary, to observe the progress and quality of the executed work and to determine if such work meets the essential performance and design features and the technical and functional requirements of the construction contract documents. The Consultant shall provide the Owner with typed or printed field notes for each construction site visit. On the basis of these on-site observations, the Consultant shall endeavor to guard the Owner against apparent defects and deficiencies in the permanent work constructed by the construction contractor. The Consultant shall not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the work, and shall not be responsible for the construction means, methods, techniques, sequences, or procedures, or the safety precautions incident thereto. The Consultant’s efforts shall be directed toward providing assurance for the Owner that each completed construction contract shall conform to the engineering requirements of the construction contract documents. However, the Consultant shall not be responsible for the construction contractor’s failure to perform the construction work in accordance with the construction contract documents.

Nothing in this Agreement shall be construed as requiring the Consultant to assume responsibility for or to guarantee the complete adherence of the construction contractor to the Drawings and Specifications and the construction contract documents.

5. Review shop drawings diagrams, illustrations, brochures, catalog data, schedules, and samples, the results of tests and inspections and other data which the construction contractor is required to submit, for conformance with the design concept of each construction contract and compliance with the information given in the construction contract documents. **Such review must be complete within ten City working days following receipt of submittal documents.** The Consultant shall also assemble maintenance and operating instructions, schedules, guarantees, bonds, certificates of inspection, and other documents that the construction contractor is required to submit in accordance with the construction contract documents.
6. Issue the Owner's instructions to the construction contractor when required to do so, prepare routine change orders to include independent detailed opinion of probable construction cost for the Owner's approval as required after securing approval of all agencies having approval authority over each construction contract. The Consultant shall require, as the Owner's representative and subject to the written concurrence by the Owner, special inspection or testing of the work, whether or not fabricated, installed, or completed and shall act as interpreter of the terms and conditions of the construction contract documents, subject to the Owner's interpretation of such terms and conditions. If the Owner authorizes such testing, it shall be addressed under the provisions of Additional Services of the Consultant.
7. Based on the Consultant's on-site observations as an experienced and qualified design professional and on review of the construction contractor's applications for payment and supporting data, determine the amount owing to the construction contractor and recommend in writing payment to the construction contractor in such amounts; such recommendation of payment to constitute a representation to the Owner, based on such observations and review, that the work has progressed to the point indicated and that, to the best of the Consultant's knowledge, information and belief, the quality of the work is in accordance with the construction contract documents, subject to an evaluation of the work as a functioning project upon substantial completion, to the results of any subsequent tests called for in the construction contract documents and to any qualifications stated in his approval. By recommending an application for payment, the Consultant shall not be deemed to have represented that the Consultant has made any examination to determine how or for what purposes the construction contractor has used the monies paid on account of each construction contract price.
8. Conduct with the Owner and construction contractor **no more than two brief preliminary inspections**, at times requested by the construction contractor to determine if the Project is ready for final inspection.
9. Schedule and conduct with the Owner, including representative of the City Engineer and the user department, the State ADA inspector or State certified ADA consultant, and the

construction contractor, a final inspection of the Project and prepare and publish a "punch list" of minor deficiencies to be corrected prior to final payment to the construction contractor. The "**punch list**" shall be furnished to the construction contractor and the Owner within **two City working days** after the final inspection.

10. Issue a "Certificate of Substantial Completion" using EJCDC document 1910-8-D (1983 version) when the final inspection reveals that the Project is substantially complete and fully usable for its intended purpose with only minor deficiencies to be corrected. The certificate shall be issued within **two City working days** after the final inspection.
11. Monitor and verify proper correction of all punch list deficiencies. Notify the Owner in writing when all deficiencies have been corrected, and when warranty, maintenance, and operating instructions and other documents have been submitted by the construction contractor. Act on and forward the construction contractor's final invoice for payment.
12. Furnish the Owner one set of reproducible (**D format**) "record" drawings on Mylar showing changes made during the construction process, based on the marked-up prints, drawings, and other data furnished by the construction contractor to the Consultant. Also provide project documents in acceptable electronic media format
13. Make written recommendations to the Owner on all claims relating to the execution and progress of the construction work.
14. Notify the Owner of all permanent work which does not conform to the result required in each construction contract; prepare a written report describing any apparent nonconforming permanent work, and make recommendations to the Owner for its correction and, at the Owner's request, have recommendations implemented by the construction contractor.
15. Furnish property surveys and legal descriptions as needed to acquire additional right-of-way or additional property.
16. Revise previously approved studies, reports, design documents, drawings, or specifications, except when said revisions are required as a result of errors, negligence, or other fault on the part of the Consultant.
17. Prepare documents for alternate bids requested by the Owner for construction work for which bids have not been awarded.
18. If Best Value Evaluation Criteria are required after the Consulting fees have been negotiated and accepted, the Consultant may request Additional Service fees.
19. Prepare detailed renderings, exhibits, or scale models for the Project, except as otherwise required herein.
20. Furnish additional tests and inspections, in excess of those required herein during the Construction Phase.

21. Prepare change orders requiring additional significant design changes not provided for in the Agreement, requested by the Owner.
22. Inspect each construction contract site prior to expiration of the guarantee period and report, in written form, observed discrepancies under guarantees provided by the construction contractor.
23. Provide additional or extended services during construction made necessary by: a) work damaged by fire or other cause during construction; b) prolongation of the construction contract time by more than **twenty-five percent** provided that such prolongation is not caused by errors, negligence, or other fault on the part of the Consultant; c) Acceleration of the work schedule involving services beyond normal city working hours; or d) the construction contractor's default under the construction contract due to delinquency or insolvency.
24. Provide extensive assistance in the initial start-up and test operation of equipment or devices and the preparation of manuals of operation and maintenance.
25. Serve as an expert witness for the Owner in any litigation or other proceeding involving the Project.

ADDITIONAL SERVICES OF THE CONSULTANT

GENERAL

If authorized in writing by the Owner, through written amendment, the Consultant shall perform or obtain Additional Services noted below, which are not covered within the Agreement. No claim for Additional Services or cost shall be allowed unless the same was done pursuant to a written authorization dated prior to the Additional Services or cost and which was authorized pursuant to the policies and procedures of the Owner (i.e., passage by City Council). The Owner shall pay for such Additional Services as indicated in the Agreement.

1. Furnish core borings, probings, and hydrographic surveys; laboratory testing; inspection of samples or materials; and other special consultations.
2. Provide Additional Services due to significant changes in the general scope of the Project or its design including, but not limited to, changes in size, complexity, or character of construction if the changes are inconsistent with approvals or instructions previously given by the Owner including revisions made necessary by adjustments in the Owner's scope or budget, except where the Consultant's preliminary study and report, preliminary design, pre-final design, or final design cost opinions exceed the budgeted amount, or in the case where all responsible bids exceed the Consultant's final design cost opinions by **ten percent** or more.
3. Furnish additional copies of studies, reports, and additional prints of Drawings and Specifications in excess of those required herein.

4. Provide investigations involving detailed consideration of operation, maintenance, and overhead expenses as well as the preparation of rate schedules, earnings and expense statements, feasibility studies, appraisals and valuations, detailed quantity surveys of material or labor.
5. Provide Additional Services in connection with the Project not otherwise provided for in this Agreement, except where those services are required as a result of negligence or other fault on the part of the Consultant.

RESIDENT PROJECT SERVICES

1. If directed in writing by the Owner, one or more full-time Resident Project Representatives shall be furnished and directed by the Consultant in order to provide more extensive representation at each construction site during the Construction Phase. Such resident project representation shall be paid for by the Owner.
2. The duties and responsibilities and the limitations on the authority of the Resident Project Representative shall be as set forth in writing by the City Engineer before such services begin.
3. Through the continuous on-site observations of the work in progress and field checks of materials and equipment by the Resident Project Representative, the Consultant shall endeavor to provide further protection for the Owner against defects and deficiencies in the work of the construction contractors, but the furnishings of such resident project representation shall not make the Consultant responsible for the construction contractor's failure to perform the construction work in accordance with the construction contract documents.

ATTACHMENT "D"
PAYMENT SCHEDULE

For the as "RECREATIONAL FACILITY LOWER BEAUMONT PROPERTY - FT. BLISS", hereinafter referred to as the Project, the Owner will compensate the Consultant an amount not to exceed **SIX HUNDRED FIFTY THOUSAND NINE HUNDRED THIRTEEN AND 39/100 DOLLARS (\$650,913.39)** for all Basic Services and reimbursables noted within the Agreement and its attachments.

PAYMENT SCHEDULE

Basic services for design shall include the phases listed below at the fixed fee shown for each phase. The remainder of the fixed contract amount, if any, shall consist of the estimate for the time and materials for the bidding phase and construction phase.

Lump Sum Payment to Consultant

Report/Concept Phase	\$163,947.43
Preliminary Design (30% Design)	\$171,187.36
Pre Final Design (60% Design)	\$158,064.85
Final Design (90% Design)	\$130,199.60
Bidding	\$27,514.16
Construction	\$ Not Applicable

Time and materials shall be billed to Owner by Consultant pursuant to the schedule provided in the consultant's proposal found in **Attachment "B"**. The time shown in **Attachment "B"** is an estimate. Should the services rendered during the construction phase exceed the estimated amount, written authorization will be required prior to rendering service. Written authorization shall be only by contract amendment in accordance with the contract provisions and applicable law.

The Owner shall make payments upon presentation of the Consultant's detailed Invoice and accompanying Summary and Progress Report and the Owner's written approval.

The invoice must clearly identify each employee name, title, hours worked, date of performance, task or project description, rate per hours and/or cost, and office/company location.

Reimbursable Costs: Efforts must be made to secure a *reasonable* and/or lowest rate available in the marketplace.

Receipts: Legible itemized receipts are required for the following: 1. Meals 2. Hotel (lodging) costs. 3. Airfare travel costs. 4. Parking costs. 5. Automobile or Equipment Rental costs. 6. Taxi, Limousine, Bus, Subway, or other travel costs. 7. Reproduction. 8. Shipping and Handling. 9.

BROCK & BUSTILLOS INC.
PROJECT BUDGET
SUMMARY SHEET

PROJECT NAME:		Recreational Facility at Lower Beaumont Property Improvements	
PROPOSAL NUMBER:		2019-1103-REV4	
REVISION DATE:		12/18/2019	
DESIGN FEE TYPE:		Lump Sum	
PREPARED BY:		Roman Bustillos, PE, CNU-A	
PROJECT MGR:		Roman Bustillos, PE, CNU-A	
1 - CONCEPT LAYOUT DESIGN PHASE			
B&B ENG LABOR:	\$	40,819.00	
B&B SURV LABOR:	\$	-	
SUB-CONSULTANTS:	\$	114,994.62	
CONCEPT DESIGN DIRECT EXPENSES:	\$	4,337.01	
DIRECT COSTS MARKUP:	8.0% \$	346.96	
SUBCONSULTANT MARKUP:	3.0% \$	3,449.84	
INVESTIGATIVE / CONCEPT LAYOUT FEE:		\$	163,947.43
2 - PRELIMINARY DESIGN PHASE			
B&B ENG LABOR:	\$	66,228.00	
B&B SURV LABOR:	\$	-	
SUB-CONSULTANTS:	\$	98,971.94	
FINAL DESIGN DIRECT EXPENSES:	\$	2,794.68	
DIRECT COSTS MARKUP:	8.0% \$	223.67	
SUBCONSULTANT MARKUP:	3.0% \$	2,969.16	
DESIGN FEE:		\$	171,187.36
3 - PRE-FINAL DESIGN PHASE			
B&B ENG LABOR:	\$	58,583.00	
B&B SURV LABOR:	\$	-	
SUB-CONSULTANTS:	\$	94,152.18	
FINAL DESIGN DIRECT EXPENSES:	\$	2,319.55	
DIRECT COSTS MARKUP:	8.0% \$	185.56	
SUBCONSULTANT MARKUP:	3.0% \$	2,824.57	
DESIGN FEE:		\$	158,064.85
4 - FINAL DESIGN PHASE			
B&B ENG LABOR:	\$	40,956.00	
B&B SURV LABOR:	\$	-	
SUB-CONSULTANTS:	\$	81,607.54	
FINAL DESIGN DIRECT EXPENSES:	\$	4,803.55	
DIRECT COSTS MARKUP:	8.0% \$	384.28	
SUBCONSULTANT MARKUP:	3.0% \$	2,448.23	
DESIGN FEE:		\$	130,199.60
5 - BID PHASE			
B&B ENG LABOR:	\$	4,790.00	
SUB-CONSULTANTS:	\$	13,947.71	
BID PHASE DIRECT EXPENSES:	\$	7,738.91	
DIRECT COSTS MARKUP:	8.0% \$	619.11	
SUBCONSULTANT MARKUP:	3.0% \$	418.43	
BIDDING COSTS:		\$	27,514.16
6 - CONSTRUCTION PHASE			
B&B ENG LABOR:	\$	-	
B&B SURV LABOR:	\$	-	
SUB-CONSULTANTS:	\$	-	
CONST. PHASE DIRECT EXPENSES:	\$	-	
DIRECT COSTS MARKUP:	8.0% \$	-	
SUBCONSULTANT MARKUP:	3.0% \$	-	
CONSTRUCTION COSTS:		\$	-
TOTAL SUBCONSULTANT'S FEES:			
MEP	RBM Engineering, Inc.	\$	37,363.00
Geotechnical Engineer	CQC Testing and Engineering, L.L.C.	\$	27,400.00
Subsurface Utility Engineering	Cobb Fendley & Associates, Inc.	\$	33,260.00
Landscape Architecture & Irrigation	Sites Southwest	\$	125,890.20
ADA/RAS Consultant	Lattice Blue	\$	8,656.88
Architecture	Exigo	\$	44,157.93
Traffic Engineering	Lee Engineering Inc.	\$	107,745.96
Structural Engineering	HKN Engineers	\$	19,200.00
		\$	403,673.97
B&B DESIGN LABOR FEE		\$	233,672.97
B&B SURVEY LABOR FEE		\$	-
SUBCONSULTANT'S DESIGN LABOR FEES		\$	389,726.27
BID LABOR COSTS		\$	27,514.16
CONSTRUCTION ADMIN LABOR COSTS		\$	-
TOTAL CONTRACT AMOUNT		\$	650,913.33

**BROCK & BUSTILLOS INC.
PROJECT BUDGET
OVERALL DETAIL SHEET**

PROJECT NAME:		Recreational Facility at Lower Beaumont Property Improvements		12/18/2019	
1. B&B CONCEPT LAYOUT DESIGN PHASE LABOR		EST. HOURS	HOURLY RATE	COST	TOTAL
Principal Engineer		4.0	\$208.00	\$ 832.00	
Project Manager		29.0	\$165.00	\$ 4,785.00	
Project Engineer		91.0	\$140.00	\$ 12,740.00	
Senior Civil Designer		54.0	\$122.00	\$ 6,588.00	
Engineering Design Technician		18.0	\$89.00	\$ 1,622.00	
Engineering CAD Draftsman		168.0	\$70.00	\$ 11,760.00	
Resident Project Representative (RPR)		22.0	\$108.00	\$ -	
Admin		22.0	\$65.00	\$ 1,430.00	
TOTAL HOURS DESIGN		402.0			\$40,819.00
B&B SURVEY LABOR					
Principal Engineer		0.0	\$208.00	\$ -	
Project Manager		0.0	\$165.00	\$ -	
Project Engineer		0.0	\$140.00	\$ -	
Senior Survey Manager/R.P.L.S.		0.0	\$190.96	\$ -	
Surveyor/R.P.L.S.		0.0	\$157.00	\$ -	
SURVEY CREW - 2MC		0.0	\$158.20	\$ -	
Senior Surveying Technician		0.0	\$120.00	\$ -	
Senior Surveying CAD Draftsman		0.0	\$101.47	\$ -	
Surveying CAD Draftsman		0.0	\$76.37	\$ -	
Admin		0.0	\$65.00	\$ -	
TOTAL HOURS SURVEY		0.0			\$0.00
SUB-CONSULTANT FEE					
Mechanical-Electrical-Plumbing (MEP) Engineer		RBM Engineering, Inc.	\$ 1,282.00		
Geotechnical Engineering		COC Testing and Engineering, L.L.C.	\$ 27,400.00		
Subsurface Utility Engineering		Cobb Fendley & Associates, Inc.	\$ 33,280.00		
Landscape Architecture & Irrigation		Site Southwest	\$ 1,258.85		
ADARAS Consultant		Lattice Blue	\$ -		
Architecture		Exigo	\$ 6,078.60		
Traffic Engineering		Lee Engineering Inc.	\$ 42,757.17		
Structural Engineering		HKN Engineers	\$ 800.00		
SUBCONSULTANT FIRM					
SUB-TOTAL					\$114,894.62
TOTAL					\$155,813.62
2. B&B PRELIMINARY DESIGN PHASE LABOR		EST. HOURS	HOURLY RATE	COST	TOTAL
Principal Engineer		10.0	\$208.00	\$ 2,080.00	
Project Manager		98.0	\$165.00	\$ 16,170.00	
Project Engineer		144.0	\$140.00	\$ 20,160.00	
Senior Civil Designer		84.0	\$122.00	\$ 10,248.00	
Engineering Design Technician		50.0	\$89.00	\$ 4,450.00	
Engineering CAD Draftsman		240.0	\$70.00	\$ 16,800.00	
Resident Project Representative (RPR)		0.0	\$108.00	\$ -	
Admin		50.0	\$65.00	\$ 3,250.00	
TOTAL HOURS DESIGN		634.0			\$66,228.00
B&B SURVEY LABOR					
Principal Engineer		0.0	\$208.00	\$ -	
Project Manager		0.0	\$165.00	\$ -	
Project Engineer		0.0	\$140.00	\$ -	
Senior Survey Manager/R.P.L.S.		0.0	\$190.96	\$ -	
Surveyor/R.P.L.S.		0.0	\$157.00	\$ -	
SURVEY CREW - 2MC		0.0	\$158.20	\$ -	
Senior Surveying Technician		0.0	\$120.00	\$ -	
Senior Surveying CAD Draftsman		0.0	\$101.47	\$ -	
Surveying CAD Draftsman		0.0	\$76.37	\$ -	
Admin		0.0	\$65.00	\$ -	
TOTAL HOURS SURVEY		0.0			\$0.00
SUB-CONSULTANT FEE					
Mechanical-Electrical-Plumbing (MEP) Engineer		RBM Engineering, Inc.	\$ 23,095.00		
Geotechnical Engineering		COC Testing and Engineering, L.L.C.	\$ -		
Subsurface Utility Engineering		Cobb Fendley & Associates, Inc.	\$ -		
Landscape Architecture & Irrigation		Site Southwest	\$ 27,710.55		
ADARAS Consultant		Lattice Blue	\$ 2,736.00		
Architecture		Exigo	\$ 7,215.87		
Traffic Engineering		Lee Engineering Inc.	\$ 32,464.52		
Structural Engineering		HKN Engineers	\$ 5,790.00		
SUBCONSULTANT FIRM					
SUB-TOTAL					\$98,971.94
TOTAL					\$165,199.94
3. B&B PRE-FINAL DESIGN PHASE LABOR		EST. HOURS	HOURLY RATE	COST	TOTAL
Principal Engineer		6.0	\$208.00	\$ 1,248.00	
Project Manager		39.0	\$165.00	\$ 6,435.00	
Project Engineer		121.0	\$140.00	\$ 16,940.00	
Senior Civil Designer		84.0	\$122.00	\$ 10,248.00	
Engineering Design Technician		103.0	\$89.00	\$ 9,167.00	
Engineering CAD Draftsman		192.0	\$70.00	\$ 13,440.00	
Resident Project Representative (RPR)		0.0	\$108.00	\$ -	
Admin		17.0	\$65.00	\$ 1,105.00	
TOTAL HOURS DESIGN		562.0			\$58,583.00
B&B SURVEY LABOR					
Principal Engineer		0.0	\$208.00	\$ -	
Project Manager		0.0	\$165.00	\$ -	
Project Engineer		0.0	\$140.00	\$ -	
Senior Survey Manager/R.P.L.S.		0.0	\$190.96	\$ -	
Surveyor/R.P.L.S.		0.0	\$157.00	\$ -	
SURVEY CREW - 2MC		0.0	\$158.20	\$ -	
Senior Surveying Technician		0.0	\$120.00	\$ -	
Senior Surveying CAD Draftsman		0.0	\$101.47	\$ -	
Surveying CAD Draftsman		0.0	\$76.37	\$ -	
Admin		0.0	\$65.00	\$ -	
TOTAL HOURS SURVEY		0.0			\$0.00
SUB-CONSULTANT FEE					
Mechanical-Electrical-Plumbing (MEP) Engineer		RBM Engineering, Inc.	\$ 10,260.00		
Geotechnical Engineering		COC Testing and Engineering, L.L.C.	\$ -		
Subsurface Utility Engineering		Cobb Fendley & Associates, Inc.	\$ -		
Landscape Architecture & Irrigation		Site Southwest	\$ 35,572.25		
ADARAS Consultant		Lattice Blue	\$ 1,881.00		
Architecture		Exigo	\$ 18,843.63		
Traffic Engineering		Lee Engineering Inc.	\$ 18,915.27		
Structural Engineering		HKN Engineers	\$ 7,580.00		
SUBCONSULTANT FIRM					
SUB-TOTAL					\$94,152.15
TOTAL					\$152,735.18
5. B&B BID PHASE LABOR		EST. HOURS	HOURLY RATE	COST	TOTAL
Principal Engineer		0.0	\$208.00	\$ -	
Project Manager		8.0	\$165.00	\$ 1,320.00	
Project Engineer		16.0	\$140.00	\$ 2,240.00	
Senior Civil Designer		0.0	\$122.00	\$ -	
Engineering Design Technician		0.0	\$89.00	\$ -	
Engineering CAD Draftsman		0.0	\$70.00	\$ -	
Resident Project Representative (RPR)		0.0	\$108.00	\$ -	
Admin		24.0	\$65.00	\$ 1,560.00	
TOTAL HOURS DESIGN		48.0			\$4,760.00
B&B SURVEY LABOR					
Principal Engineer		0.0	\$208.00	\$ -	
Project Manager		0.0	\$165.00	\$ -	
Project Engineer		0.0	\$140.00	\$ -	
Senior Survey Manager/R.P.L.S.		0.0	\$190.96	\$ -	
Surveyor/R.P.L.S.		0.0	\$157.00	\$ -	
SURVEY CREW - 2MC		0.0	\$158.20	\$ -	
Senior Surveying Technician		0.0	\$120.00	\$ -	
Senior Surveying CAD Draftsman		0.0	\$101.47	\$ -	
Surveying CAD Draftsman		0.0	\$76.37	\$ -	
Admin		0.0	\$65.00	\$ -	
TOTAL HOURS SURVEY		0.0			\$0.00
SUB-CONSULTANT FEE					
Mechanical-Electrical-Plumbing (MEP) Engineer		RBM Engineering, Inc.	\$ 1,026.00		
Geotechnical Engineering		COC Testing and Engineering, L.L.C.	\$ -		
Subsurface Utility Engineering		Cobb Fendley & Associates, Inc.	\$ -		
Landscape Architecture & Irrigation		Site Southwest	\$ 4,292.10		
ADARAS Consultant		Lattice Blue	\$ 2,116.13		
Architecture		Exigo	\$ 3,607.93		
Traffic Engineering		Lee Engineering Inc.	\$ 1,945.66		
Structural Engineering		HKN Engineers	\$ 900.00		
SUBCONSULTANT FIRM					
SUB-TOTAL					\$13,847.71
TOTAL					\$18,737.71
6. B&B CONSTRUCTION PHASE LABOR		EST. HOURS	HOURLY RATE	COST	TOTAL
Principal Engineer		0.0	\$208.00	\$ -	
Project Manager		0.0	\$165.00	\$ -	
Project Engineer		0.0	\$140.00	\$ -	
Senior Civil Designer		0.0	\$122.00	\$ -	
Engineering Design Technician		0.0	\$89.00	\$ -	
Engineering CAD Draftsman		0.0	\$70.00	\$ -	
Resident Project Representative (RPR)		0.0	\$108.00	\$ -	
Admin		0.0	\$65.00	\$ -	
TOTAL HOURS DESIGN		0.0			\$0.00
B&B SURVEY LABOR					
Principal Engineer		0.0	\$208.00	\$ -	
Project Manager		0.0	\$165.00	\$ -	
Project Engineer		0.0	\$140.00	\$ -	
Senior Survey Manager/R.P.L.S.		0.0	\$190.96	\$ -	
Surveyor/R.P.L.S.		0.0	\$157.00	\$ -	
SURVEY CREW - 2MC		0.0	\$158.20	\$ -	
Senior Surveying Technician		0.0	\$120.00	\$ -	
Senior Surveying CAD Draftsman		0.0	\$101.47	\$ -	
Surveying CAD Draftsman		0.0	\$76.37	\$ -	
Admin		0.0	\$65.00	\$ -	
TOTAL HOURS SURVEY		0.0			\$0.00
SUB-CONSULTANT FEE					
Mechanical-Electrical-Plumbing (MEP) Engineer		RBM Engineering, Inc.	\$ 1,710.00		
Geotechnical Engineering		COC Testing and Engineering, L.L.C.	\$ -		
Subsurface Utility Engineering		Cobb Fendley & Associates, Inc.	\$ -		
Landscape Architecture & Irrigation		Site Southwest	\$ 67,058.43		
ADARAS Consultant		Lattice Blue	\$ 1,923.75		
Architecture		Exigo	\$ 5,411.90		
Traffic Engineering		Lee Engineering Inc.	\$ 11,863.46		
Structural Engineering		HKN Engineers	\$ 3,840.00		
SUBCONSULTANT FIRM					
SUB-TOTAL					\$91,807.54
TOTAL					\$122,563.54

ATTACHMENT "E"
INSURANCE CERTIFICATE

Client#: 1140172

BROCKBUS1

ACORD™

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

11/01/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer any rights to the certificate holder in lieu of such endorsement(s).

PRODUCER USI Southwest 9811 Katy Freeway, Suite 500 Houston, TX 77024 713 490-4600		CONTACT NAME: PHONE (A/C, No, Ext): 713 490-4600 FAX (A/C, No): 713-490-4700 E-MAIL: ADDRESS:															
INSURED Brock & Bustillos, Inc. 417 Executive Center Blvd. El Paso, TX 79902		<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A : Valley Forge Insurance Company</td> <td>20508</td> </tr> <tr> <td>INSURER B : Continental Casualty Company</td> <td>20443</td> </tr> <tr> <td>INSURER C : Berkley Insurance Company</td> <td>32603</td> </tr> <tr> <td>INSURER D : Depositors Insurance Company</td> <td>42587</td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </tbody> </table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : Valley Forge Insurance Company	20508	INSURER B : Continental Casualty Company	20443	INSURER C : Berkley Insurance Company	32603	INSURER D : Depositors Insurance Company	42587	INSURER E :		INSURER F :	
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COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:		B4031426881	11/01/2019	11/01/2020	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$300,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$4,000,000 PRODUCTS - COMP/OP AGG \$4,000,000 \$
D	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY		ACP7285223443	11/01/2019	11/01/2020	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input checked="" type="checkbox"/> RETENTION \$10000 <input type="checkbox"/> DED	<input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE	B4031427285	11/01/2019	11/01/2020	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000 \$ PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A				
C	Professional Liab Claims Made & Reported Pol		AEC903279702 1/1/85 Retro	11/01/2019	11/01/2020	\$2,000,000 per claim \$2,000,000 annl aggr.

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

The General Liability & Auto Liability policy(s) includes an automatic Additional Insured endorsement that provides Additional Insured status to the Certificate Holder only when there is a written contract that requires such status, and only with regard to work performed on behalf of the named insured. The General Liability and Auto Liability policy(s) provide a Blanket Waiver of Subrogation when required by written contract, except as prohibited by law. (See Attached Descriptions)

CERTIFICATE HOLDER

CANCELLATION

City of El Paso 218 N. Campbell St. El Paso, TX 79901	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>James E. Jimenez</i>
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