

## RESOLUTION

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

That the City Manager be authorized to sign a two year On-Call Agreement for Professional Services to perform geotechnical engineering and materials testing services on a task by task basis by and between the by City of El Paso and each of the following five (5) consultants:

1. Atlas Technical Consultants, LLC
2. CQC Testing and Engineering, LLC
3. Intertek-Professional Service Industries, Inc.
4. Terracon Consultants, Inc.
5. WSP USA Environmental & Infrastructure, Inc.

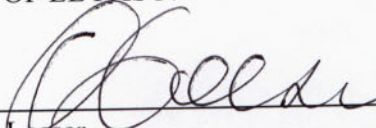
Each On-Call Agreement will be for an amount not to exceed \$500,000.00, and each agreement will include authorization for the City Engineer to approve additional Basic Services and Reimbursables for an amount not to exceed \$50,000.00 and authorization for the City Engineer to approve Additional Services for an amount not to exceed \$50,000.00 if the identified services are necessary for proper execution of identified project and if the increased amounts are within the appropriate budget identified for a project. In addition, the City Manager is authorized to establish the funding sources and make any necessary budget transfers and execute any and all documents necessary for execution of each On-Call Agreement.

APPROVED THIS 28<sup>th</sup> DAY OF March 2023.

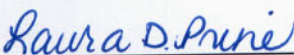
(Signatures on the following page)



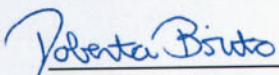
CITY OF EL PASO:

  
\_\_\_\_\_  
Oscar Leoser  
Mayor


ATTEST:

  
\_\_\_\_\_  
Laura Prine  
City Clerk

APPROVED AS TO FORM:

  
\_\_\_\_\_  
Roberta Brito  
Assistant City Attorney

APPROVED AS TO CONTENT:

Assistant Director Capital Improvement  
  
\_\_\_\_\_  
Avette Hernandez, City Engineer  
Capital Improvement Department

**CITY OF EL PASO A&E SELECTION SCORESHEET**

EVALUATION CRITERIA		SOLICITATION #2023-0287R On Call Professional Services - Geotechnical Engineering & Materials Testing Services				
	MAX POINTS	Atlas	CQC Testing & Engineering	Inertek (PSI)	Terracon	WSP
<i>Rater 1</i>	20	45	54	63	54	53
<i>Rater 2</i>	25	40	55	52	51	61
<i>Rater 3</i>	15	58	62	62	61	61
<i>Rater 4</i>	15	68	78	76	60	77
<i>Rater 5</i>	10	56	69	65	60	69
<b>Total Raters Score</b>		267	318	318	286	321
<b>PRF scores</b>		9	10	8	10	8
<b>Overall Total Scores</b>		276	328	326	296	329

Rankings		
Ranking #	FIRM NAME	SCORE
1	WSP	329
2	CQC Testing	326
3	Inertek (PSI)	328
4	Terracon	296
5	Atlas	276



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 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.
- 2.4 The Owner shall provide all available information to the Consultant, as to the Owner's requirements for each 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 days 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 **\$500,000.00** for all basic services and reimbursables performed pursuant to this Agreement.

**No services are being requested through this Agreement, nor shall any indebtedness accrue through the mere execution of 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 **(\$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.

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 **\$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 **\$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 each 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 and Additional Services, if any, to be provided by the Consultant for this Agreement are attached hereto as **Attachment "C"**.

**3.3 CONSULTANT'S INVOICES.** For each Project, the Consultant shall bill the Owner not more often than monthly, through written invoices pursuant to the schedule established in **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 (90) days 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 Project budget, 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 each phase. 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.** The Consultant acknowledges that the construction budget and a construction time for each Project will be identified in each Task Order.

**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 term of this Agreement shall be for a period not to exceed **two (2) years** from the date first shown above. The services called for by each Task Order shall begin upon the issuance of a Notice to Proceed from the City Engineer and shall continue through the completion of the construction of the Project, including any required extensions beyond the contract time for construction of the Project, as may be directed by the Owner.

**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.** 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
  - \$2,000,000.00 General Aggregate
  - \$2,000,000.00 Products/Completed Operations Aggregate
  - \$1,000,000.00 Personal and Advertising Injury
  
- Personal Injury or Death & Property Damage**
  - \$1,000,000.00 per occurrence combined single limit for bodily injury and property damage.



**General Aggregate**  
\$1,000,000.00  
\$1,000,000.00 per occurrence

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 Contract.

**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.

Further, all policies shall provide either in the policy itself and reflected on the certificate of insurance or through an endorsement attached to the policy, that the insurance cannot be canceled or the amount of coverage changed without thirty (30) calendar days prior written notice to the City or ten (10) calendar days prior written notice for non-payment of insurance policy premiums.

**5.2 INDEMNIFICATION.** To the fullest extent permitted by law, Consultant shall indemnify, defend and hold harmless 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 bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property (other than the Work itself), but only to the extent caused by any negligent act or omission of Consultant or Consultant's officers, directors, partners, agents, consultants or employees. This indemnification provision is subject to and limited by the provisions agreed to by Owner and Consultant, as noted below. 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.

**5.2.1 CONSULTANT'S LIABILITY LIMITED TO AMOUNT OF INSURANCE REQUIREMENTS.** Consultant shall procure and maintain insurance as required by and set forth in the terms and conditions of this Agreement. Notwithstanding any other provision of this Agreement, and to the fullest extent permitted by law, the total liability, in the aggregate, of Consultant and Consultant's officers, directors, partners, employees, agents, and consultants (hereafter referred to collectively as "Consultant"), to Owner and anyone claiming by through, or under Owner for any and all claims, losses, costs, or damages, whatsoever arising out of, resulting from or in any way related to the Project or the Agreement from any cause or causes, including but not limited to the negligence, professional errors or omissions, strict liability or breach of contract, or warranty express or implied of Consultant (hereafter "Owner's Claims"), shall not exceed the total insurance proceeds paid on behalf of or to Consultant by Consultant's insurers in settlement or satisfaction of Owner's Claims under the terms and conditions of Consultant's insurance policies applicable thereto (excluding fees, costs and expenses of investigation, claims adjustment, defense, and appeal). If no such insurance coverage is provided with respect to Owner's Claims, then the total liability, in the aggregate, of Consultant to Owner and anyone claiming by, through, or under Owner for any and all such uninsured Owner's claims shall not exceed \$250,000.00 per person or \$500,000.00 per incident with property damage liability limited to \$100,000.00 per incident.

## **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 consistent with professional skill and care, 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. The Consultant will perform these services with reasonable diligence and expediency consistent with sound professional practices and consistent with the schedule provided in **Attachment “D”**.

**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, in the Owner's discretion, 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 and places.

**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



WITNESS THE FOLLOWING SIGNATURES AND/OR SEALS:

CITY OF EL PASO:

*Tomás González*  
Tomás González  
City Manager

APPROVED AS TO FORM:

*Roberta Brito*  
Roberta Brito  
Assistant City Attorney

APPROVED AS TO CONTENT:

Assistant Director Capital Improvement  
*Jerry DeMuro for*  
Yvette Hernandez, P.E., City Engineer  
Capital Improvement Department

(Acknowledgment)

THE STATE OF TEXAS §  
  §  
COUNTY OF EL PASO §

*Tracey Jerome for*

This instrument was acknowledged before me on this 5 day of April, 2023,  
by **Tomás González**, as **City Manager** of the **City of El Paso, Texas**.

*Angel Rocha*  
Notary Public, State of Texas

My commission expires:

06.01.26

(Signatures continue on following page)





CONSULTANT:  
TERRACON CONSULTANTS INC.

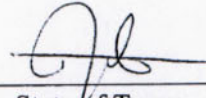


By: Kyle Burroughs  
Title: Principal

(Acknowledgment)

THE STATE OF TEXAS §  
  §  
COUNTY OF EL PASO §

This instrument was acknowledged before me on this 1 day of March, 2023, by Kyle Burroughs , as Principal of Terracon Consultants Inc.



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Notary Public, State of Texas

My commission expires:

November 18, 2024



**ATTACHMENT "A"**  
**SCOPE OF SERVICES**

## **ATTACHMENT A SCOPE OF SERVICES**

The firm is to perform all phases of geotechnical and geological investigation, testing, analysis, and design services from conceptual through final design and construction. The anticipated projects under these selections may include roadways, parking lots/structures, quality of life, public safety, and other municipal facilities. Anticipated activities include, but are not limited to:

- Site investigation and characterization
- Installing soil borings and collecting soil and groundwater samples
- Locating utilities, underground structures such as manholes, concrete pavement, monuments, railroad tracks, etc., and potholing
- Evaluating site materials
- Installing and monitoring geotechnical instrumentation
- Forensic evaluation of settlement of existing structures, pavement, and other material failures
- Soil slope stability analyses (i.e., berms, embankments and cut slopes) and development of recommendations for slope construction (i.e., slope angles, protection, anchoring, backfilling material requirements, and compaction), slope protection or stabilization methods to mitigate slope erosion and maintenance
- Determining of lateral earth pressure coefficients for below-grade and retaining wall structures
- Identifying trench safety considerations for ground vibration and movement monitoring during construction
- Identifying of considerations for the construction of structures in areas of shallow groundwater, dewatering, and short and long-term groundwater monitoring
- Reviewing existing geotechnical data and background information
- Developing conceptual design or layout in support of the geotechnical recommendation
- Providing geotechnical recommendations for the expansion of existing facilities and new facility construction
- Implementing creative and innovative approaches to address project requirements.
- Geotechnical laboratory testing as appropriate, including but not limited to the following:
  - A) Materials Sampling and Testing: Concrete compressive strength ASTM-C39, concrete and asphalt coring, Hot Mix Asphaltic Concrete (HMAC) molding for flow/stability, extraction/gradation, Marshall density /stability and flow, field density ASTM-D6938, base course proctor, SA, PI (w/D-4718 oversize correction) and field density base course ASTM D 6938.
  - B) Earthwork Sampling and Testing of select fill, backfill, and existing subgrade materials for determination of moisture-density relationship (Proctor) ASTM-D698 or D1557, grain size distribution, #200 Test ASTM-D6913 & D1140, Atterburg Limits (PI) ASTM-D4318 - field density ASTM-D1566, soil corrosivity ASTM STP 741, and ASTM STP1013, field measurement of soil resistivity ASTM G 57-78 and ASTM G 51-84 as appropriate, and trenching, subgrade and base course compaction testing

Other materials testing as requested including but not limited to:

- Roofing moisture, withdrawal resistance of mechanical fasteners, and wind uplift
- Visual, acoustics, radiographic, dye penetrants, magnetic particle (ferrous metal only) weld testing
- Mill thickness, lead for paint materials
- Subgrade and drainage design
- Stability, settlement, and foundation design
- Performing geotechnical construction observation and testing during construction
- Preparing geotechnical reports, design plans, and specifications
- Coordinating with other design disciplines or parties

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

CITY OF EL PASO 2022-2024 ON CALL PROFESSIONAL SERVICES CONTRACT  
SOLICITATION No. 2023-0287R  
TERRACON CONSULTANTS - UNITPRICE SCHEDULE

Item #	Personnel	Unit	Labor Rate (\$/hr)	Description
101	Senior Principal	Hour	\$235.00	
102	Principal	Hour	\$215.00	
103	Senior Project Engineer	Hour	\$170.00	
104	Senior Project Scientist	Hour	\$185.00	
105	Regional Compliance Manager	Hour	\$170.00	
106	Senior Project Manager	Hour	\$165.00	
107	Project Engineer	Hour	\$115.00	
108	Project Manager	Hour	\$115.00	
109	Senior Staff Engineer	Hour	\$145.00	
110	Staff Engineer	Hour	\$85.00	
111	Staff Scientist	Hour	\$93.00	
112	Materials Technician V*	Hour	\$73.00	*An overtime premium of 1.5 times the hourly will apply for Materials Technician services provided Monday through Friday that are in excess of 8 hours per day and for services provided before 7:00 AM and after 6:00 PM, as well as for services provided on Saturday, Sunday and Terracon recognized Holidays.
113	Materials Technician IV*	Hour	\$68.00	Monthly technician rates can be provided at the time of project-specific Request for Cost Estimates.
114	Materials Technician III*	Hour	\$62.00	
115	Materials Technician II*	Hour	\$58.00	
116	Materials Technician I*	Hour	\$52.00	
117	Drafts Person / Cad Operator	Hour	\$95.00	
118	Clerical / Administrative Staff	Hour	\$68.00	
<b>Item # Expenses and Supplies</b>				
201	2WD Truck Trip Charge within 50 miles round trip	Each	\$40.00	Does not include technician's travel time
202	Additional 2WD truck charge for assignments beyond 50 miles round trip	Mile	\$0.75	
203	Subcontractors and Subconsultants*	Lump Sum	Cost + 10%	*Shipping charges, rental equipment, outside labor, public transportation, materials, permit fees or other contracted services
204	Miscellaneous charges, including analytical laboratory tests*	Lump Sum	Cost + 10%	
205	Additional technician time for mobilization	Hour	See Personnel Rates	
<b>Item # Geotechnical Exploration (Drilling)</b>				
<u>Project and Site Coordination</u>				
301	General Project and Site Coordination	Hour	See Personnel Rates	
302	Right-of-Way Permit Request and Processing	Hour	See Personnel Rates	
303	Pavement Cut or Excavation Permit Request and Processing	Hour	See Personnel Rates	
304	Locate and mark borings in the field	Boring	\$27.00	
305	Public Utility Check (811) Ticket Request	Boring	\$18.00	
306	Truck Trip Charge	Day	\$38.00	Within City limits, does not include technician or engineer's travel time
<u>Drilling Crew Mobilization</u>				
307	Mobilization of Equipment and Personnel (Truck-Mounted Drill Rig)	Day	\$335.00	Minimum charge
308	AK-Terrain or Track-Mounted Drill	Mile	\$7.50	each way (\$1,500.00 minimum)
309	4X4 Driller Support Truck	Day	\$54.00	

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<u>General Drilling Rates</u>		Contaminated soils observed during drilling may require additional surcharges.
310	Asphalt Pavement 10-inch Core (to access subgrade)	Bore \$57.00
311	Concrete Pavement 10-inch Core (to access subgrade)	Bore \$85.00
312	10-inch Square Pavement Sawcut (to access subgrade)	Each \$114.00
313	Drilling w/truck-mounted rig with two-person crew	Hour \$254.00
314	Drilling w/truck-mounted or ATV rig with two-person crew	Hour \$280.00
315	Client delay, standby, or non-drilling time (truck-mounted rig)	Hour \$280.00
316	Client delay, standby, or non-drilling time (track-mounted or ATV rig)	Hour \$300.00
317	Cost of special drilling equipment	Lump Sum Cost + 10%
318	Plugging borehole with lean bentonite-cement grout (max. 8" diameter)	Foot \$9.75
319	Plugging borehole with lean bentonite chips (max. 8" diameter)	Foot \$12.00
320	Asphalt Pavement patching and cleaning	Bore \$57.00
321	Concrete Pavement patching and cleaning	Bore \$85.00
322	Field Logging and Stratification or Boring Logs	Hour See Personnel Rates
323	Pressuremeter or Bore Hole Shear Equipment	Day \$1,350.00 Personnel time not included
324	Additional Pressuremeter Membranes or End Caps	Each \$280.00 Personnel time not included
<u>Auger Drilling</u>		
325	Auger drilling without sampling	Foot \$12.00
Auger drilling with soil sampling		
Depth Range (Feet)		
326	0 - 40	Foot \$14.00
327	41 - 60	Foot \$18.00
328	61 - 80	Foot \$21.00
329	81 - 100	Foot \$23.00
<u>Rotary Drilling and Coring</u>		
Drilling and sampling in dense soil, cobbles or rock formations		
Depth Range (Feet)		
330	0 - 40	Foot \$35.00
331	40 - 80	Foot \$40.00
332	80 - 120	Foot \$45.00
333	Air or Mud Rotary set up	Boring \$113.00
334	Rock coring set up	Boring \$167.00
NQ rock coring depth range (feet)		
335	0 - 40	Foot \$58.00
336	Below 40	Foot \$68.00
337	Wire line rock coring	Foot \$85.00

Contaminated soils observed during drilling may require additional surcharges.

Using either conventional split-barrel or Shelby tube sampler at 5-foot intervals in soil

Contaminated soils observed during drilling may require additional surcharges.

Using either conventional split-barrel or Shelby tube sampler at 5-foot intervals in soil

Cores runs not exceeding 5 feet at a time

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Item #	Soil Testing	Unit	Unit Cost (\$/ea)	Description
<u>Construction Phase Soil and Proctor Field Sampling and Testing Combinations</u>				
401	Soil (subgrade) sampling	Each	\$178.00	These items include technician time and one trip charge
402	Soil (subgrade) sampling and classification testing	Each	\$600.00	Up to 2 samples or 500 pounds
403	Field densities by the nuclear method (included report)	Each	\$188.00	Up to 2 samples or 500 pounds, includes sieve analysis, plasticity index testing and report
404	Additional nuclear field density (beyond 4 tests in the same trip)	Each	\$23.00	
405	Field densities by the sand cone method (report)	Each	\$222.00	
406	Additional sand cone field density (beyond 4 tests in the same trip)	Each	\$36.00	
407	Moisture-density (Proctor) sampling and testing	Each	\$238.00	Up to 2 samples per trip, includes report
408	Additional Technician Time	Hour	See Personnel Rates	
<u>Soil Classification and Physical Property Testing (trip charge to be charged separately)</u>				
409	Visual Engineering Classification	Each	\$30.00	
410	Moisture Content Determination	Test	\$11.00	
411	Sieve Analysis (Washed over #200 sieve)	Test	\$98.00	
412	Hydrometer Analysis	Test	\$324.00	Includes Sieve analysis, specific gravity and hydrometer
413	Atterberg Limits (Plasticity Index, Plastic Limit and 3-point Liquid Limit)	Test	\$71.00	
414	Density Determination	Test	\$58.00	Unsturbed sample only, from Shelby tube
415	Specific Gravity	Test	\$81.00	
416	Shrinkage Limit Determination	Test	\$184.00	
417	Sand Equivalent	Test	\$184.00	
418	Organic Content (By heating)	Test	\$71.00	
419	Soil Suction (ASTM D-5298)	Test	\$87.00	
420	Porosity	Test	\$157.00	
421	Pin Hole Dispersion	Test	\$432.00	
422	With Remolding or Sample	Test	\$460.00	
<u>Compaction and Density</u>				
423	Standard Proctor (ASTM D-698)	Each	\$140.00	
424	Standard Proctor with Portland Cement (2-hour delay)	Each	\$270.00	
425	Modified Proctor (ASTM D-1557)	Test	\$216.00	
426	Additional charge for Coarse Aggregate Correction	Each	\$60.00	
427	Laboratory CBR	Test	\$432.00	
428	Field CBR*	Test	*quote per request	
429	R-value (ASTM D-2844)	Each	\$448.00	
430	Relative Density (ASTM D-4253 and D-4254, wet or dry method)	Each	\$340.00	



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Shear Strength			
Unconfined Compression:			
431	Undisturbed Soil Sample	Test	\$54.00
432	With Stress-Strain Curve	Each	\$97.00
433	Calibrated Hand Penetrometer or Torvane	Each	\$12.00
434	Direct Shear FAST (cohesionless)	Point	\$248.00
435	Direct Shear SLOW (cohesive)	Point	\$394.00
436	Standard Sample Preparation	Sample	\$86.00
437	Preparation on remodeling for Difficult Samples	Hour	\$92.00
438	Unconfined Compression on Cured Proctor Sample with Fly Ash	Test	\$92.00
Triaxial Compression			
439	Unconsolidated Undrained Triaxial (Total per Circle)	Test	\$421.00
440	Consolidated Undrained (CU) Triaxial (Total per Circle)	Test	\$578.00
441	Consolidated Drained (CD) Triaxial (Total per Circle)*	Test	*quote per request
442	Preparation of Remolded Samples	Circle	\$97.00
Consolidation and Swelling			
443	Consolidation Test on 2-1/2 inch diameter Specimen	Test	\$605.00
444	Regular increasing Load increments to 16 TSF	Each	\$92.00
445	Plotted Time Curves	Each	\$92.00
446	Each additional Unheated-Reload Cycle	Cycle	\$151.00
447	Swell Test single pressure	Test	\$146.00
448	Additional pressures	Each	\$65.00
449	Swell Test ASTM D4546-08 Method A	Test	\$1,350.00
450	Swell Test ASTM D4546-08 Method B	Test	\$308.00
451	Swell Test ASTM D4546-08 Method C	Test	\$605.00
Permeability			
452	Constant Head Permeability Test (ASTM D2434)	Test	\$421.00
453	Falling Head Permeability Test (ASTM D5084)	Test	\$330.00
454	Preparation of Remolded Samples	Each	\$97.00

Triaxial compression test rates are for 1.4 inch, 1.8 inch and 2.8 inch diameter samples only. Rates for other diameter samples available upon request. Consolidated Undrained Test includes pore pressure measurements.

\*Note: normally requires three circles

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Chemical Tests				
Item #	Aggregate	Unit	Unit Cost (\$/ea)	Description
455	pH (By meter)	Each	\$49.00	
456	Electrical Conductivity by Miller box	Each	\$216.00	
457	Chloride Concentration	Each	\$97.00	
458	Soluble Sulfate	Each	\$86.00	
459	Cation Exchange Capacity of Soil	Each	\$157.00	
<b>Item # Aggregate Unit Unit Cost (\$/ea) Description</b>				
501	Sieve Analysis (ASTM C-136)	Each	\$114.00	
502	Analysis of Material finer than #200 Sieve (ASTM C-117)	Each	\$60.00	
503	Specific Gravity (ASTM C127 or C128)	Each	\$78.00	
504	Percentage Particles Less than 1.95 Specific Gravity (AASHTO T 150)	Each	*quote per request	
505	Absorption Analysis (ASTM C127 or C128)	Each	\$78.00	
506	Abrasion (ASTM C131)	Each	\$173.00	
507	Large Size Aggregate (ASTM C535)	Each	\$513.00	
508	Specific Gravity and Absorption combined (ASTM C127 or C128)	Each	\$98.00	
509	Unit Weight (ASTM C29)	Each	\$98.00	
510	Soundness (ASTM C88) (5 cycles) (fine or coarse)	Each	\$432.00	
511	Large Size Aggregate	Each	\$459.00	
512	Organic Impurities	Each	\$65.00	
Lightweight Particles or Chert Analysis (ASTM C123):				
513	Fine	Each	\$119.00	
514	Coarse	Each	\$189.00	
515	Chert	Each	\$186.00	
516	Clay Lumps (ASTM C142)	Each	\$81.00	
517	Organic Impurities - Mortar Strength (ASTM C67)	Each	\$2,160.00	
518	Scratch Hardness Test	Each	\$76.00	
519	Freeze Thaw (AASHTO T-103)	Each	\$632.00	
520	Flat and Elongated Particles	Each	\$292.00	
521	Crushed Particle Determination	Each	\$114.00	
522	Bulk Impregnated Specific Gravity	Each	\$400.00	
523	Solubility	Each	\$88.00	
524	Insoluble Residue in Carbonate Aggregates (ASTM D3042)	Each	\$368.00	

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TERRACON CONSULTANTS - UNIT PRICE SCHEDULE

Item #	Concrete and Masonry	Unit	Unit Cost (\$/ea)	Description
<u>Field Sampling and Testing Combinations</u>				
601	4"x8" Concrete Cylinder sampling and testing	Each	\$370.00	These items include technician time and one trip charge Set of 5 cylinders, include 1 slump, 1 air content, concrete and ambient temperatures, curing, compressive strength testing and report
602	6"x12" Concrete Cylinder sampling and testing	Each	\$390.00	Set of 4 cylinders, include 1 slump, 1 air content, concrete and ambient temperatures, curing, compressive strength testing and report
603	Concrete beam sampling and testing	Each	\$438.00	Set of 4 beams, includes 1 slump test, 1 air content test, concrete and ambient temperatures, curing, compressive strength testing and report
604	Additional slump test in same trip	Each	\$18.00	
605	Additional air content test in same trip	Each	\$18.00	
606	Additional cylinder in same trip (beyond set of 4)	Each	\$18.00	
607	Additional beam in same trip (beyond set of 4)	Each	\$91.00	
608	Mortar sampling and testing	Each	\$325.00	Includes either 6 cubes or two 2-inch cylinders, curing, compressive strength testing and report
609	Additional mortar cube or cylinder samples (within same trip)	Each	\$27.00	
610	Grout sampling and testing	Each	\$325.00	Includes 1 set of 4 prisms, curing, compressive strength testing and report
611	Additional grout samples in same trip (beyond 1 set of 4 prisms each)	Each	\$27.00	
<u>Concrete Property Testing (trip charge and technician time to be charged separately)</u>				
612	Initial setting time (ASTM C403) (already mixed)	Minimum	\$432.00	
613	Compressive Strength of 6" X 12" Cylinder (ASTM C39)	Each	\$27.00	
614	Compressive Strength of 4" X 8" Cylinder (ASTM C39)	Each	\$22.00	
615	Flexural Strength of Concrete Beam	Each	\$91.00	
616	Splitting Tensile Test (6" Cylinders)	Each	\$65.00	
617	Schmidt Hammer Testing (set of 9 tests per location)	Each	\$65.00	
618	Windsor Probe Testing	Each	\$108.00	
619	Floor Flatness Testing (excludes probe rental and pin fees)	Sq. Ft.	\$0.10	
620	Concrete or Mortar Mix Design or Verification	Each	\$1,620.00	
621	Laboratory Concrete Trial Batch (with cylinders)	Minimum	\$755.00	
622	Laboratory Concrete Trial Batch (with beams)	Minimum	\$1,323.00	
623	Additional Technician Time	Hour	See Personnel Rates	
<u>Concrete Core of Hardened Concrete</u>				
624	Concrete Coring (2-technician crew)	Hour	See Personnel Rates	
625	Core drilling machine	Day	\$65.00	
626	Generator	Day	\$75.00	
627	Diamond bit wear per inch depth (1" steel = 12' concrete)	Inch	\$7.00	
628	3 to 5 inch diameter core	Inch	\$8.00	
629	5 to 7 inch diameter core	Inch	\$8.00	
629	Concrete-sawing technician	Hour	See Personnel Rates	
630	Saw	Day	\$76.00	
631	Blades	Lump Sum	Cost + 20%	
632	Concrete core, measurement and strength	Core	\$69.00	
633	Trimming	Cut	\$32.00	

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634	Compressive Strength and Dimensions of Masonry Block Units ASTM C140 Depending on size and quantity	Each	\$300.00 to \$500.00	Minimum set of 3
<b>Net Area, Absorption, Specific Gravity and Moisture</b>				
635	Content of Masonry Block (ASTM C140)	Block	\$98.00	
636	Linear Drying Shrinkage of Masonry Block (ASTM C428)	Each	\$324.00	
637	Compressive Strength of Masonry Block Prism (Hollow)	Each	\$162.00	
638	Compressive Strength of Masonry Block Prism (filled with grout)	Each	\$250.00	
639	Compressive Strength of 3X6 inch Grout Prism	Each	\$27.00	
640	Compressive Strength of 2-inch Mortar Cube of 2-inch Cylinder	Each	\$27.00	
641	Laboratory Mortar, Trial Batch (does not include testing cubes)	Each	\$460.00	
642	Mortar Flow Test (ASTM C270)	Test	\$91.00	
643	Mortar Water Retention Test (ASTM C270)	Test	\$280.00	
644	Efflorescence Test	Each	\$173.00	
645	Each additional concurrently tested material	Each	\$108.00	
<b>Chloride Ion Content of Concrete</b>				
646	Less than 5 samples	Each	\$76.00	Submitted sample prepared through #50 sieve, with James Meister
647	5 or more samples	Each	\$54.00	
<b>ASTM or AASHTO Titration</b>				
648	Less than 5 samples	Each	\$98.00	
649	5 or more samples	Each	\$103.00	
650	Sample Preparation	Hour	\$65.00	
<b>Rapid chloride permeability of concrete - 4-inch diameter sample.</b>				
651	1st Sample	Each	\$308.00	includes sawing to length but no special curing
652	Additional Samples	Each	\$216.00	
653	Rapid cure by boiling procedure	Each	\$125.00	
<b>Item # Asphalt</b>				
701	In-place asphalt concrete nuclear density	Test	\$240.00	Includes technician time, nuclear gauge, and one-trip charge
702	Additional density test (within same trip)	Test	\$27.00	
703	Loose asphaltic concrete sampling and testing	Each	\$243.00	Up to 500 lbs, includes technician time and one-trip charge
704	Asphalt cement extraction only (by ignition)	Each	\$95.00	
705	Asphalt cement by ignition (including gradation)	Each	\$152.00	
706	Extraction by mechanical means (ASTM D2172) (includes gradation)	Each	\$300.00	
707	Theoretical Maximum (Rice) Specific Gravity (ASTM D2041)	Test	\$114.00	
708	Marshall Density Specimens (ASTM D6926) (already mixed)	Each	\$157.00	
709	Marshall Stability Flow and Density Specimens (ASTM D6927) (already mixed)	Each	\$60.00	
710	Core Density & Thickness (coring and generator use charged separately)	Each	\$114.00	
711	Additional Technician Time	Hour	See Personnel Rates	

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712	Asphalt Design Mix Review (Marshall Method) Three Point Marshall Curve	Design	\$435.00	
713	(including laboratory mixed asphalt with 9 stability, flow and density tests)	Set	\$1,404.00	
714	Additional Point	Point	\$395.00	
715	Hveem Stability and Density (ASTM D1560) (already mixed) SuperPave Molded Density Specimens	Set	\$308.00	
716	(Set of 2 samples)	Set	\$395.00	
717	Penetration and Specific Gravity	Each	\$98.00	
718	Bitumen Softening Point	Each	\$81.00	
719	Strength Retention Test	Test	\$1,080.00	
720	Viscosity of Bituminous Materials (Kinematic)	Test	\$125.00	
721	Absolute Viscosity	Test	\$125.00	
722	Asphalt Coring	Hour	See Personnel Rates	
723	Core Drilling Machine	Day	\$98.00	
724	Generator	Day	\$87.00	
<b>Item # Structural Steel and Metals</b>				
801	AWS Certified Welding Inspector	Hour	\$125.00	
802	AWS Certified Associate Welding Inspector	Hour	\$120.00	
803	Ultrasonic Examination of Welds	Hour	\$138.00	
804	Ultrasonic Equipment and Consumables	Day	\$125.00	
805	Magnetic Particle or Dye Penetrant Examination	Hour	\$140.00	
806	Magnetic Particle or Dye Penetrant Materials AWS or ASME Welder Qualifications	Lump Sum	Cost + 20%	
807	Pipe	Each	\$184.00	
808	Plate	Each	\$146.00	*Excluding machining, sample preparation and base metal costs, if required.
Weld Procedure Qualification				
809	AWS	Each	\$460.00	*Excluding machining, sample preparation and base metal costs, if required.
810	ASME	Each	\$486.00	
811	Tensile, Yield and Elongation Test	Each	\$168.00	*Excluding machining, sample preparation and base metal costs, if required.

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TERRACON CONSULTANTS - UNIT PRICE SCHEDULE

Item #	Petrographic Services (Rock, Concrete, Aggregate)	Unit	Unit Cost (\$/ea)	Description
<b>Concrete</b>				
901	Visual Description, Fracture Logging	Linear Foot	\$20.00	
902	Air Content (ASTM C457)	Each	\$702.00	
903	Air Void System Parameters Includes (ASTM C-457)	Each	\$756.00	
904	Petrographic Examination (ASTM C-856)	Each	\$1,300.00	
905	Resistance of Concrete to Rapid Freezing and Thawing (ASTM C666)	Set of 3	\$2,970.00	
<b>Aggregate Petrographic Examination (ASTM C-295)</b>				
906	Coarse Aggregate	Each	\$1,431.00	
907	Fine Aggregate	Each	\$1,188.00	
<b>Block, Armco Stone, Quarry Run, Etc.</b>				
908	Petrographic Examination	Hour	\$190.00	
<b>Personal Services</b>				
909	Petrographer	Each	\$1,010.00	
910	Materials Consultant	Hour	\$151.00	
911	Laboratory Technician	Hour	\$92.00	
<b>Item # Geophysical, Geotechnical and Materials Equipment Rental</b>				
1001	Floor Flatness Equipment (Dipstick)	Day	\$200.00	Personnel time not included
1002	Floor Flatness Equipment (Dipstick)	Week	\$610.00	Personnel time not included
1003	Windsor Probe	Day	\$108.00	Personnel time not included
1004	Windsor Pin	Each	\$157.00	Personnel time not included
1005	Maturity Meter	Day	\$86.00	Personnel time not included
1006	Probes	Each	\$43.00	Personnel time not included
1007	Electrical Resistivity Equipment	Day	\$313.00	Personnel time not included
1008	James R-Meter (for size and location of reinforcing steel)	Day	\$60.00	Personnel time not included
1009	Profometer	Day	\$140.00	Personnel time not included
1010	Ferroscon	Day	\$243.00	Personnel time not included
1011	Instrumentation Equipment - Stress Strain Gauge	Item	*quote per request	Personnel time not included
1012	Dial Indicators	Item	*quote per request	Personnel time not included
1013	Vibration Monitoring	Item	See Personnel Rates	Personnel time not included
1014	Vibration Monitoring Equipment	Day	*quote per request	Personnel time not included

**ATTACHMENT "C"**  
**CONSULTANT'S BASIC AND ADDITIONAL SERVICES**

Each individual Task Order will identify the "**Project**", and the Consultant shall 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 and Construction Management 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 the design phases of 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 a 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 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.

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- 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**

Upon receipt of the Owner's written authorization to proceed with the **Preliminary Design Phase**, the Consultant shall do the following separately for each construction contract:

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



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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.

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**CONSULTANT'S BASIC AND ADDITIONAL SERVICES**

**PHASE II - PRE-FINAL DESIGN PHASE**

Upon receipt of the Owner's written authorization to proceed with the Pre-Final Design Phase, the Consultant shall do the following separately for each construction contract:

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.

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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**

Upon receipt of the Owner's written authorization to proceed with the Final Design Phase, the Consultant shall do the following separately for each construction contract:

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 Consultant 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.

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**CONSULTANT'S BASIC AND ADDITIONAL SERVICES**

**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**

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

**ATTACHMENT "C"**  
**CONSULTANT'S BASIC AND ADDITIONAL SERVICES**

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

**ATTACHMENT "C"**  
**CONSULTANT'S BASIC AND ADDITIONAL SERVICES**

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,

**ATTACHMENT "C"**  
**CONSULTANT'S BASIC AND ADDITIONAL SERVICES**

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

**ATTACHMENT "C"**  
**CONSULTANT'S BASIC AND ADDITIONAL SERVICES**

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.



**ATTACHMENT "C"**  
**CONSULTANT'S BASIC AND ADDITIONAL SERVICES**

**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 AND DELIVERABLE SCHEDULES**

**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.

**Fixed fee Payment to Consultant**

<b>Report Phase</b>	<b>To be determined by Task Order</b>
<b>Preliminary Design Phase</b>	<b>To be determined by Task Order</b>
<b>Pre-Final Design Phase</b>	<b>To be determined by Task Order</b>
<b>Final Design Phase</b>	<b>To be determined by Task Order</b>
<b>Bidding Phase</b>	<b>To be determined by Task Order</b>
<b>Construction Phase</b>	<b>To be determined by Task Order</b>

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 bidding and construction phases exceed the estimated amount, written authorization will be required prior to rendering services. Written authorization shall be only by contract amendment in accordance with the contract provisions. For contracts with a total value less than Fifty Thousand and No/100 Dollars (\$50,000), the parties agree that at no time may the amount of the compensation under this contract exceed Fifty Thousand and No/100 Dollars (\$50,000) except by execution of an amendment to this Agreement.

Payment for each Phase shall be made on a monthly basis. The Owner shall make payments upon presentation of the Consultant's detailed Invoice and a Consulting 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/Consultant 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. Local Postage/Deliveries (courier services). 10. Communication Costs. *Tips and alcohol are not reimbursable.*

No single invoice may include items for both August and September of any given year. The Owner's fiscal year begins on September 1<sup>st</sup> of each year and ends on August 31<sup>st</sup> of each year. Consultant's invoices must be separated into items that end August 31<sup>st</sup> and those that begin on Septembers 1<sup>st</sup> of any given year, to coincide with Owner's fiscal year.

**ATTACHMENT "D"**  
**PAYMENT AND DELIVERABLE SCHEDULES**

**Communications Costs:** Long Distance telephone calls need to be identified and strictly related to work performed under this Agreement in order to be reimbursable by the City. A log is preferred showing the date, person's name called, and explanation. Cell phone monthly charges are reimbursable if usage is strictly related to work performed under this Agreement. Legible itemized cell phone records are required.

**Personal Automobile Mileage:** Expense report must clearly identify the departure/arrival time, To/From destinations and purpose of trip.

**Entertainment Costs:** Entertainment costs are not reimbursable, including: 1. Movie costs for "Pay for View" or Cable service. 2. Alcohol costs. 3. Monetary Tips (tipping) for any and all services related to all forms of travel (and/or entertainment).

**DELIVERABLE SCHEDULE**

**REPORT PHASE**

The services called for in the Report Phase of this Agreement shall be completed and **5 copies** of the Preliminary Study and Report shall be submitted within the time frame set forth in the written authorization from the Owner for the Consultant to proceed.

**PHASE I—PRELIMINARY DESIGN PHASE**

The services called for in **Phase I** of this Agreement shall be completed and **10 copies** of any required documents and opinion of probable construction costs shall be submitted within the time frame set forth in the written authorization from the Owner for the Consultant to proceed. If Owner does not approve the preliminary design documents, the Consultant shall furnish **five copies** of the resubmitted design documents.

**PHASE II—PRE-FINAL DESIGN PHASE**

The services called for in **Phase II** of this Agreement shall be completed and **10 copies** the required documents and services shall be submitted within the time frame set forth in the written authorization from the Owner for the Consultant to proceed.

**PHASE III—FINAL DESIGN PHASE**

The services called for in **Phase III** of this Agreement shall be completed and **10 copies** of final design Drawings and Specifications for review and approval prior to the reproduction for bidding purposes shall be submitted within the time frame set forth in the written authorization from the Owner for the Consultant to proceed. After review, the Consultant shall submit to Owner **3 copies** of the final revised design documents and specifications for final check. Upon the approval of the final design documents, the Consultant shall furnish **10 copies** of the final design documents and specifications for bidding to the Owner within the time frame set forth in the written authorization from the Owner for the Consultant to proceed.

**ATTACHMENT "D"**  
**PAYMENT AND DELIVERABLE SCHEDULES**

**PHASE IV—BIDDING PHASE**

Provide services as authorized by Owner during the bid phase as described in Attachment "C" and submit **1 copy** of all addenda to the Owner for appropriate action within **2 consecutive calendar days**.

**PHASE V - CONSTRUCTION PHASE**

Provide services as authorized by Owner during construction phase as described in Attachment "C" and submit one set of Mylar and one set of electronic media format copies of all record drawings to the Owner within sixty days from the date of substantial completion.

**ATTACHMENT "E"**  
**Insurance**



# CERTIFICATE OF LIABILITY INSURANCE

4/1/2023

DATE (MM/DD/YYYY)

3/4/2022

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 rights to the certificate holder in lieu of such endorsement(s).

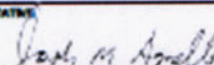
<b>PRODUCER</b> Lockton Companies 444 W. 47th Street, Suite 900 Kansas City MO 64112-1906 (816) 960-9000 kctsa@lockton.com	<b>CONTACT</b> PHONE: _____ FAX: _____ E-MAIL: _____ ADDRESS: _____													
	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC#</th> </tr> </thead> <tbody> <tr> <td>INSURER A: Travelers Property Casualty Company of America</td> <td>25674</td> </tr> <tr> <td>INSURER B: The Travelers Indemnity Company</td> <td>25658</td> </tr> <tr> <td>INSURER C: Allied World Assurance Company (U.S.) Inc.</td> <td>19489</td> </tr> <tr> <td>INSURER D: Lexington Insurance Company</td> <td>19437</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: Travelers Property Casualty Company of America	25674	INSURER B: The Travelers Indemnity Company	25658	INSURER C: Allied World Assurance Company (U.S.) Inc.	19489	INSURER D: Lexington Insurance Company	19437	INSURER E:		INSURER F:
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<b>INSURED</b> 1312893 TERRACON CONSULTANTS, INC. 6460 HILLER ST., SUITE A-C EL PASO TX 79925														

COVERAGES: TERCO01 CERTIFICATE NUMBER: 14397932 REVISION NUMBER: XXXXXXX

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.

REF. #/TYPE	TYPE OF INSURANCE	ADDITIONAL INSURED	INSURED	POLICY NUMBER	POLICY EFF. DATE (MM/DD/YYYY)	POLICY EXP. DATE (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> CONTRACTUAL LIAB. <input checked="" type="checkbox"/> XCU COVERAGE GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PER OCC <input type="checkbox"/> LOC OTHER: _____	Y	N	TC2J-GLSA-SP29930	4/1/2022	4/1/2023	EACH OCCURRENCE \$ 2,000,000 MED EXP (per occurrence) \$ 1,000,000 MED EXP (per year/person) \$ 25,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMPOP AGG \$ 4,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY	Y	N	TC2J-CAJN-131ZRS58	1/1/2022	4/1/2023	CURRENTS SEVERE LIMIT PER OCCURRENCE \$ 2,000,000 BODILY INJURY (PER PERSON) \$ XXXXXXXX BODILY INJURY (PER OCCURRENCE) \$ XXXXXXXX PROPERTY DAMAGE (PER OCCURRENCE) \$ XXXXXXXX \$ XXXXXXXX
	<input type="checkbox"/> UMBRELLA LIAB. <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB. <input type="checkbox"/> CLAIMS-MADE GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PER OCC <input type="checkbox"/> LOC OTHER: _____			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$ XXXXXXXX
A	<b>EMPLOYERS COMPENSATION AND EMPLOYERS LIABILITY</b> ANY PROVISIONS/EXCLUSIONS/ENDORSEMENTS/EXCLUSIONS (Identify in Remarks) <input type="checkbox"/> F.M. INSURER UNDER INDUSTRY/OPERATIONS PERMITS	Y/N	N/A	LB-1788663A-22 (AOF) LB-17886681 (AZ,MA,WI)	4/1/2022	4/1/2023	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER \$ L EACH ACCIDENT \$ 1,000,000 \$ L DISEASE - EA EMPLOYEE \$ 1,000,000 \$ L DISEASE - POLICY LIMIT \$ 1,000,000
C	<b>CONTRACTORS POLLUTION LIABILITY</b> <b>PROFESSIONAL LIABILITY</b>	N	N	0312-6506	1/1/2021	4/1/2023	\$10,000,000 EACH OCCURRENCE/AGGREGATE
D				26030216	1/1/2022	4/1/2023	\$1,000,000 EACH CLAIM/\$1,000,000 AGGREGATE

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
 RE: CURRENT ON-CALL CONTRACT FOR GEOTECHNICAL ENGINEERING AND MATERIALS TESTING SERVICES. CITY OF EL PASO IS AN ADDITIONAL INSURED AS RESPECTS GENERAL LIABILITY AND AUTO LIABILITY, AS REQUIRED BY WRITTEN CONTRACT.

<b>CERTIFICATE HOLDER</b>  14397932 CITY OF EL PASO CAPITAL IMPROVEMENT DEPARTMENT 215 NORTH CAMPBELL STREET 2ND FLOOR EL PASO TX 79901	<b>CANCELLATION</b> See Attachments  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: 
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**ATTACHMENT "F"**

## ATTACHMENT "F"

### FEDERAL AVIATION ADMINISTRATION (FAA) CONTRACT PROVISIONS

In this Attachment "F", the term "Contractor" shall refer to the "Consultant", and the term "Airport Sponsor" shall refer to the "City".

If there are any conflicts between the terms and conditions of Attachment "F" and Article VI of the Agreement, the terms and conditions of Attachment "F" will prevail.

#### A. GENERAL REQUIREMENT FOR CONTRACT

1. The contractor (including all subcontractors) are required to insert these contract provisions in each contract and subcontract, and further require that the clauses be included in all subcontracts;
2. The contractor (or subcontractor) is required to incorporate applicable requirements of these contract provisions by reference for work done under any purchase orders, rental agreements and other agreements for supplies or services;
3. The contractor is responsible for compliance with these contract provisions by any subcontractor, lower-tier subcontractor or service provider; and
4. The contractor (or subcontractor) shall not modify the provisions.

Subject to the applicability criteria noted in the specific contract provisions, these contract provisions apply to all work performed on the contract.

#### B. FAILURE TO COMPLY

Failure to comply with the terms of these contract provisions may be sufficient grounds to:

1. Withhold progress payments or final payment,
2. Terminate the contract,
3. Seek suspension/debarment, or
4. Any other action determined to be appropriate by the Airport Sponsor or the FAA.

#### C. CONTRACT PROVISIONS

##### 1. ACCESS TO RECORDS AND REPORTS (all AIP-funded projects)

The Contractor must maintain an acceptable cost accounting system. The Contractor agrees to provide the Sponsor, the Federal Aviation Administration, and the Comptroller General of the United States or any of their duly authorized



representatives access to any books, documents, papers, and records of the Contractor which are directly pertinent to the specific contract for the purpose of making audit, examination, excerpts and transcriptions. The Contractor agrees to maintain all books, records and reports required under this contract for a period of not less than three years after the final payment is made and all pending matters are closed.

2. **BREACH OF CONTRACT TERMS** (all contracts that exceed the simplified acquisition threshold as fixed at 41 USC 403(11). This threshold is presently set at \$100,000.)

Any violation or breach of terms of this contract on the part of the contractor or its subcontractors may result in the suspension or termination of this contract or such other action that may be necessary to enforce the rights of the parties of this agreement. The duties and obligations imposed by the Contract Documents and the rights and remedies available thereunder are in addition to, and not a limitation of, any duties, obligations, rights and remedies otherwise imposed or available by law.

3. **BUY AMERICAN PREFERENCES** (all AIP-funded projects, if this professional services agreement includes any manufactured product as a deliverable.)

#### **BUY AMERICAN CERTIFICATION**

The contractor agrees to comply with 49 USC § 50101, which provides that Federal funds may not be obligated unless all steel and manufactured goods used in AIP-funded projects are produced in the United States, unless the FAA has issued a waiver for the product; the product is listed as an Excepted Article, Material Or Supply in Federal Acquisition Regulation subpart 25.108; or is included in the FAA Nationwide Buy American Waivers Issued list.

A bidder or offeror must submit the appropriate Buy America certification (below) with all bids or offers on AIP funded projects. Bids or offers that are not accompanied by a completed Buy America certification must be rejected as nonresponsive.

#### **Type of Certification is based on Type of Project:**

There are two types of Buy American certifications.

- For projects for a facility, the Certificate of Compliance Based on Total Facility (Terminal or Building Project) must be submitted.
- For all other projects, the Certificate of Compliance Based on Equipment and Materials Used on the Project (Non-building construction projects such as runway or roadway construction; or equipment acquisition projects) must be submitted.

\*\*\*\*\*

### **Certificate of Buy American Compliance for Total Facility**

(Buildings such as Terminal, SRE, ARFF, etc.)

As a matter of bid responsiveness, the bidder or offeror must complete, sign, date, and submit this certification statement with their proposal. The bidder or offeror must indicate how they intend to comply with 49 USC § 50101 by selecting one of the following certification statements. These statements are mutually exclusive. Bidder must select one or the other (i.e. not both) by inserting a checkmark (✓) or the letter "X".

- Bidder or offeror hereby certifies that it will comply with 49 USC. 50101 by:
- a. Only installing steel and manufactured products produced in the United States; or
  - b. Installing manufactured products for which the FAA has issued a waiver as indicated by inclusion on the current FAA Nationwide Buy American Waivers Issued listing; or
  - c. Installing products listed as an Excepted Article, Material or Supply in Federal Acquisition Regulation Subpart 25.108.

By selecting this certification statement, the bidder or offeror agrees:

1. To provide to the Owner evidence that documents the source and origin of the steel and manufactured product.
  2. To faithfully comply with providing US domestic products
  3. To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.
- The bidder or offeror hereby certifies it cannot comply with the 100% Buy American Preferences of 49 USC § 50101(a) but may qualify for either a Type 3 or Type 4 waiver under 49 USC § 50101(b). By selecting this certification statement, the apparent bidder or offeror with the apparent low bid agrees:
1. To the submit to the Owner within 15 calendar days of the bid opening, a formal waiver request and required documentation that support the type of waiver being requested.
  2. That failure to submit the required documentation within the specified timeframe is cause for a non-responsive determination may results in rejection of the proposal.
  3. To faithfully comply with providing US domestic products at or above the approved US domestic content percentage as approved by the FAA.

4. To furnish US domestic product for any waiver request that the FAA rejects.
5. To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

**Required Documentation**

**Type 3 Waiver** - The cost of components and subcomponents produced in the United States is more than 60% of the cost of all components and subcomponents of the "facility". The required documentation for a type 3 waiver is:

- a. Listing of all manufactured products that are not comprised of 100% US domestic content (Excludes products listed on the FAA Nationwide Buy American Waivers Issued listing and products excluded by Federal Acquisition Regulation Subpart 25.108; products of unknown origin must be considered as non-domestic products in their entirety)
- b. Cost of non-domestic components and subcomponents, excluding labor costs associated with final assembly and installation at project location.
- c. Percentage of non-domestic component and subcomponent cost as compared to total "facility" component and subcomponent costs, excluding labor costs associated with final assembly and installation at project location.

**Type 4 Waiver** – Total cost of project using US domestic source product exceeds the total project cost using non-domestic product by 25%. The required documentation for a type 4 of waiver is:

- a. Detailed cost information for total project using US domestic product
- b. Detailed cost information for total project using non-domestic product

**False Statements:** Per 49 USC § 47126, this certification concerns a matter within the jurisdiction of the Federal Aviation Administration and the making of a false, fictitious or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code.

03/01/2023

\_\_\_\_\_  
Date



\_\_\_\_\_  
Signature

Terracon Consultants, Inc.

\_\_\_\_\_  
Company Name

Vice President

\_\_\_\_\_  
Title

\* \* \* \* \*

### **Certificate of Buy American Compliance for Manufactured Products**

(Non-building construction projects, equipment acquisition projects)

As a matter of bid responsiveness, the bidder or offeror must complete, sign, date, and submit this certification statement with their proposal. The bidder or offeror must indicate how they intend to comply with 49 USC § 50101 by selecting one on the following certification statements. These statements are mutually exclusive. Bidder must select one or the other (not both) by inserting a checkmark (✓) or the letter "X".

- Bidder or offeror hereby certifies that it will comply with 49 USC § 50101 by:
- a. Only installing steel and manufactured products produced in the United States, or;
  - b. Installing manufactured products for which the FAA has issued a waiver as indicated by inclusion on the current FAA Nationwide Buy American Waivers Issued listing, or;
  - c. Installing products listed as an Excepted Article, Material or Supply in Federal Acquisition Regulation Subpart 25.108.

By selecting this certification statement, the bidder or offeror agrees:

1. To provide to the Owner evidence that documents the source and origin of the steel and manufactured product.
  2. To faithfully comply with providing US domestic product
  3. To furnish US domestic product for any waiver request that the FAA rejects
  4. To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.
- The bidder or offeror hereby certifies it cannot comply with the 100% Buy American Preferences of 49 USC § 50101(a) but may qualify for either a Type 3 or Type 4 waiver under 49 USC § 50101(b). By selecting this certification statement, the apparent bidder or offeror with the apparent low bid agrees:
1. To the submit to the Owner within 15 calendar days of the bid opening, a formal waiver request and required documentation that support the type of waiver being requested.
  2. That failure to submit the required documentation within the specified timeframe is cause for a non-responsive determination may result in rejection of the proposal.

3. To faithfully comply with providing US domestic products at or above the approved US domestic content percentage as approved by the FAA.
4. To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

**Required Documentation**

**Type 3 Waiver** - The cost of the item components and subcomponents produced in the United States is more than 60% of the cost of all components and subcomponents of the "item". The required documentation for a type 3 waiver is:

- a. Listing of all product components and subcomponents that are not comprised of 100% US domestic content (Excludes products listed on the FAA Nationwide Buy American Waivers Issued listing and products excluded by Federal Acquisition Regulation Subpart 25.108; products of unknown origin must be considered as non-domestic products in their entirety)
- b. Cost of non-domestic components and subcomponents, excluding labor costs associated with final assembly at place of manufacture.
- c. Percentage of non-domestic component and subcomponent cost as compared to total "item" component and subcomponent costs, excluding labor costs associated with final assembly at place of manufacture.

**Type 4 Waiver** – Total cost of project using US domestic source product exceeds the total project cost using non-domestic product by 25%. The required documentation for a type 4 of waiver is:

- a. Detailed cost information for total project using US domestic product
- b. Detailed cost information for total project using non-domestic product

**False Statements:** Per 49 USC § 47126, this certification concerns a matter within the jurisdiction of the Federal Aviation Administration and the making of a false, fictitious or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code.

03/01/2023

\_\_\_\_\_  
Date



\_\_\_\_\_  
Signature

Terracon Consultants, Inc.

\_\_\_\_\_  
Company Name

Vice President

\_\_\_\_\_  
Title

4. **GENERAL CIVIL RIGHTS PROVISIONS (all contracts)**

The contractor agrees that it will comply with pertinent statutes, Executive Orders and such rules as are promulgated to ensure that no person shall, on the grounds of race, creed, color, national origin, sex, age, or handicap be excluded from participating in any activity conducted with or benefiting from Federal assistance.

This provision binds the contractors from the bid solicitation period through the completion of the contract. This provision is in addition to that required of Title VI of the Civil Rights Act of 1964.

This provision also obligates the tenant/concessionaire/lessee or its transferee for the period during which Federal assistance is extended to the airport through the Airport Improvement Program, except where Federal assistance is to provide, or is in the form of personal property; real property or interest therein; structures or improvements thereon.

In these cases the provision obligates the party or any transferee for the longer of the following periods:

- a. The period during which the property is used by the airport sponsor or any transferee for a purpose for which Federal assistance is extended, or for another purpose involving the provision of similar services or benefits; or
- b. The period during which the airport sponsor or any transferee retains ownership or possession of the property.

5. **CIVIL RIGHTS-TITLE IV COMPLIANCE WITH NONDISCRIMINATION REQUIREMENTS (all AIP funded projects)**

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

1. **Compliance with Regulations:** The contractor (hereinafter includes consultants) will comply with the **Title VI List of Pertinent Nondiscrimination Statutes and Authorities**, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.
2. **Non-discrimination:** The contractor, with regard to the work performed by it during the contract, will 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. The contractor will not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR part 21.

3. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor's obligations under this contract and the Acts and the Regulations relative to Non-discrimination on the grounds of race, color, or national origin.
4. **Information and Reports:** The contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the sponsor or the Federal Aviation Administration to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the sponsor or the Federal Aviation Administration, as appropriate, and will set forth what efforts it has made to obtain the information.
5. **Sanctions for Noncompliance:** In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the sponsor will impose such contract sanctions as it or the Federal Aviation Administration may determine to be appropriate, including, but not limited to:
  - a. Withholding payments to the contractor under the contract until the contractor complies; and/or
  - b. Cancelling, terminating, or suspending a contract, in whole or in part.
6. **Incorporation of Provisions:** The contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontractor or procurement as the sponsor or the Federal Aviation Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the sponsor to enter into any litigation to protect the interests of the sponsor. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

6. **CLEAN AIR AND WATER POLLUTION CONTROL (all contracts that exceed \$100,000)**

Contractors and subcontractors agree:

1. That any facility to be used in the performance of the contract or subcontract or to benefit from the contract is not listed on the Environmental Protection Agency (EPA) List of Violating Facilities;
2. To comply with all the requirements of Section 114 of the Clean Air Act, as amended, 42 U.S.C. 1857 et seq. and Section 308 of the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq. relating to inspection, monitoring, entry, reports, and information, as well as all other requirements specified in Section 114 and Section 308 of the Acts, respectively, and all other regulations and guidelines issued thereunder;
3. That, as a condition for the award of this contract, the contractor or subcontractor will notify the awarding official of the receipt of any communication from the EPA indicating that a facility to be used for the performance of or benefit from the contract is under consideration to be listed on the EPA List of Violating Facilities;
4. To include or cause to be included in any construction contract or subcontract which exceeds \$100,000 the aforementioned criteria and requirements.

7. **CONTRACT WORKHOURS AND SAFETY STANDARDS ACT REQUIREMENTS (all contracts that exceed \$100,000)**

1. Overtime Requirements.

No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic, including watchmen and guards, in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

2. Violation; Liability for Unpaid Wages; Liquidated Damages.

In the event of any violation of the clause set forth in paragraph (1) above, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph 1 above, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in



excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph 1 above.

3. **Withholding for Unpaid Wages and Liquidated Damages.**

The Federal Aviation Administration or the Sponsor shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any monies payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph 2 above.

4. **Subcontractors.**

The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraphs 1 through 4 and also a clause requiring the subcontractor to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs 1 through 4 of this section.

8. **CERTIFICATE REGARDING DEBARMENT AND SUSPENSION (BIDDER OR OFFEROR) (all contracts that exceed \$25,000)**

By submitting a bid/proposal under this solicitation, the bidder or offeror certifies that at the time the bidder or offeror submits its proposal that neither it nor its principals are presently debarred or suspended by any Federal department or agency from participation in this transaction.

9. **DISADVANTAGED BUSINESS ENTERPRISES (all AIP-funded projects)**

**Contract Assurance (49 CFR § 26.13)** - The contractor or subcontractor 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 contractor 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.

**Prompt Payment (49 CFR §26.29)**- The prime contractor agrees to pay each subcontractor under this prime contract for satisfactory performance of its contract no later than thirty (30) days from the receipt of each payment the prime contractor receives from the City. The prime contractor agrees further to return retainage payments to each subcontractor within thirty (30) days after the subcontractor's work is satisfactorily completed. Any delay or postponement of payment from the above referenced time frame

may occur only for good cause following written approval of the City. This clause applies to both DBE and non-DBE subcontractors.

**10. FEDERAL FAIR LABOR STANDARDS ACT (FEDERAL MINIMUM WAGE) (all contracts)**

All contracts and subcontracts that result from this solicitation incorporate the following provisions by reference, with the same force and effect as if given in full text. The contractor has full responsibility to monitor compliance to the referenced statute or regulation. The contractor must address any claims or disputes that pertain to a referenced requirement directly with the Federal Agency with enforcement responsibilities.

Requirement	Federal Agency with Enforcement Responsibilities
Federal Fair Labor Standards Act (29 USC 201)	U.S. Department of Labor – Wage and Hour Division

**11. LOBBYING AND INFLUENCING FEDERAL EMPLOYEES (all AIP-funded projects)**

The bidder or offeror certifies by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the bidder or offeror, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to

a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

**12. OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (all contracts)**

All contracts and subcontracts that result from this solicitation incorporate the following provisions by reference, with the same force and effect as if given in full text. The contractor has full responsibility to monitor compliance to the referenced statute or regulation. The contractor must address any claims or disputes that pertain to a referenced requirement directly with the Federal Agency with enforcement responsibilities.

Requirement	Federal Agency with Enforcement Responsibilities
Occupational Safety and Health Act of 1970 (20 CFR Part 1910)	U.S. Department of Labor – Occupational Safety and Health Administration

**13. RIGHTS TO INVENTIONS (all AIP-funded projects)**

All rights to inventions and materials generated under this contract are subject to requirements and regulations issued by the FAA and the Sponsor of the Federal grant under which this contract is executed.

**14. TERMINATION OF CONTRACT (contracts that exceed \$10,000)**

1. The Sponsor may, by written notice, terminate this contract in whole or in part at any time, either for the Sponsor's convenience or because of failure to fulfill the contract obligations. Upon receipt of such notice services must be immediately discontinued (unless the notice directs otherwise) and all materials as may have been accumulated in performing this contract, whether completed or in progress, delivered to the Sponsor.
2. If the termination is for the convenience of the Sponsor, an equitable adjustment in the contract price will be made, but no amount will be allowed for anticipated profit on unperformed services.
3. If the termination is due to failure to fulfill the contractor's obligations, the Sponsor may take over the work and prosecute the same to completion by contract or otherwise. In such case, the contractor is liable to the Sponsor for any additional cost occasioned to the Sponsor thereby.
4. If, after notice of termination for failure to fulfill contract obligations, it is determined that the contractor had not so failed, the termination will be deemed

to have been effected for the convenience of the Sponsor. In such event, adjustment in the contract price will be made as provided in paragraph 2 of this clause.

5. The rights and remedies of the sponsor provided in this clause are in addition to any other rights and remedies provided by law or under this contract.

**15. TRADE RESTRICTION CLAUSE (all AIP-funded projects)**

The contractor or subcontractor, by submission of an offer and/or execution of a contract, certifies that it:

- a. is not owned or controlled by one or more citizens of a foreign country included in the list of countries that discriminate against U.S. firms published by the Office of the United States Trade Representative (USTR);
- b. has not knowingly entered into any contract or subcontract for this project with a person that is a citizen or national of a foreign country on said list, or is owned or controlled directly or indirectly by one or more citizens or nationals of a foreign country on said list;
- c. has not procured any product nor subcontracted for the supply of any product for use on the project that is produced in a foreign country on said list.

Unless the restrictions of this clause are waived by the Secretary of Transportation in accordance with 49 CFR 30.17, no contract shall be awarded to a contractor or subcontractor who is unable to certify to the above. If the contractor knowingly procures or subcontracts for the supply of any product or service of a foreign country on said list for use on the project, the Federal Aviation Administration may direct through the Sponsor cancellation of the contract at no cost to the Government.

Further, the contractor agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification without modification in each contract and in all lower tier subcontracts. The contractor may rely on the certification of a prospective subcontractor unless it has knowledge that the certification is erroneous.

The contractor shall provide immediate written notice to the sponsor if the contractor learns that its certification or that of a subcontractor was erroneous when submitted or has become erroneous by reason of changed circumstances. The subcontractor agrees to provide written notice to the contractor if at any time it learns that its certification was erroneous by reason of changed circumstances.

This certification is a material representation of fact upon which reliance was placed when making the award. If it is later determined that the contractor or subcontractor knowingly rendered an erroneous certification, the Federal Aviation Administration may

direct through the Sponsor cancellation of the contract or subcontract for default at no cost to the Government.

Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by this provision. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

This certification concerns a matter within the jurisdiction of an agency of the United States of America and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code, Section 1001.

**16. TEXTING WHEN DRIVING (all contracts)**

In accordance with Executive Order 13513, "Federal Leadership on Reducing Text Messaging While Driving" (10/1/2009) and DOT Order 3902.10 "Text Messaging While Driving" (12/30/2009), FAA encourages recipients of Federal grant funds to adopt and enforce safety policies that decrease crashes by distracted drivers, including policies to ban text messaging while driving when performing work related to a grant or sub-grant.

The Contractor must promote policies and initiatives for employees and other work personnel that decrease crashes by distracted drivers, including policies to ban text messaging while driving. The Contractor must include these policies in each third party subcontract involved on this project.