



**MASTER SERVICES AGREEMENT #2022-063
Pavement Analysis and Related Services**

THIS MASTER SERVICES AGREEMENT (“Agreement”), effective the last date of signed approval (“**Effective Date**”), is entered into by and between the **North Central Texas Council of Governments (“NCTCOG”)**, a Texas political subdivision and non-profit corporation, with offices located at 616 Six Flags Drive, Arlington, TX 76011, and

Applied Research Associates, Inc. (“Contractor”)
100 Trade Center Dr. Suite 200
Champaign, IL 64821

**ARTICLE I
RETENTION OF THE CONTRACTOR**

1.1 This Agreement defines the terms and conditions upon which the Contractor agrees to provide **Pavement Analysis and Related Services** (hereinafter, “Services”) to governmental entities participating in the Texas SHARE program (hereinafter “Participating Entities”). The Contractor is being retained to provide services described below to Participating Entities based on the Contractor’s demonstrated competence and requisite qualifications to perform the scope of the services described herein and in the Request for Proposals #2022-063 (hereinafter, “RFP”). The Contractor demonstrated they have the resources, experience, and qualifications to perform the described services, which is of interest to Participating Entities and was procured via the RFP. NCTCOG agrees to and hereby does retain the Contractor, as an independent contractor, and the Contractor agrees to provide services to Participating Entities, in accordance with the terms and conditions provided in this Agreement and consistent with Contractor’s response to the RFP.

**ARTICLE II
SCOPE OF SERVICES**

2.1 The Contractor will provide Services described in a written Purchase Order issued by NCTCOG or a SHARE Participating Entity. Any such Purchase Order is hereby incorporated by reference and made a part of this Agreement and shall be subject to the terms and conditions in this Agreement. In the event of a conflict between any term or provision in this Agreement and any term or provision in a Purchase Order, the term or provision in this Agreement shall control unless the conflicting term or provision in this Agreement is referenced, and expressly stated not to apply, in such Purchase Order.

2.2 All Services rendered under this Agreement will be performed by the Contractor: i) with due care; ii) in accordance with generally prevailing industry standards; iii) in accordance with Participating Entities’ standard operating procedures and applicable policies, as may be amended from time to time; and iv) in compliance with all applicable laws, government regulatory requirements, and any other written instructions, specifications, guidelines, or requirements provided by NCTCOG and/or Participating Entities.

2.3 Any agreed-upon changes to a Purchase Order shall be set forth in a subsequent Purchase Order amendment. Contractor will not implement any changes or any new Services until a Purchase Order has been duly executed by Participating Entity. For the avoidance of doubt, the Contractor acknowledges that Participating Entity is under no obligation to execute a Purchase Order. Participating

Entity shall not be liable for any amounts not included in a Purchase Order in the absence of a fully executed amendment of Purchase Order.

2.4 Pricing for items in Appendix A represent the maximum cost for each item offered by the Contractor. Contractor and Participating Entity may mutually agree to a lower cost for any item covered under this agreement.

2.5 NCTCOG Obligations

2.5.1 NCTCOG shall make available a contract page on its TXSHARE.org website which will include contact information for the Contractor(s).

2.6 Participating Entity Obligations.

2.6.1 In order to utilize the Services, Participating Entities must have executed a Master Interlocal Agreement for Texas SHARE with NCTCOG. This agreement with the Participating Entity will define the legal relationship between NCTCOG and the Participating Entity.

2.6.2 In order to utilize the Services, Participating Entities must execute a Purchase Order with the Contractor. This agreement with the Participating Entity will define the Services and costs that the Participating Entity desires to have implemented by the Contractor.

2.7 Contractor Obligations.

2.7.1 Contractor must be able to deliver, perform, install, and implement services with the requirements and intent of RFP #2022-063

2.7.2 If applicable, Contractor shall provide all necessary material, labor and management required to perform this work. The scope of services shall include, but not be limited to, items listed in Appendix A.

2.7.3 Contractor agrees to market and promote the use of the SHARE awarded contract whenever possible among its current and solicited customer base. Contractor shall agree to follow reporting requirements in report sales made under this Master Services Agreement in accordance with Section 4.2.

ARTICLE III

TERM

3.1 This Agreement will commence on the Effective Date and remain in effect for an initial term ending on May 5, 2024 (the “**Term**”), unless earlier terminated as provided herein. This Agreement may be renewed, at NCTCOG’s sole discretion, for up to four (4) additional one (1) year terms through November 30, 2028.

3.2 **Termination.** NCTCOG and/or Participating Entities may terminate this Agreement and/or any Purchase Order to which it is a signatory at any time, with or without cause, upon thirty (30) days’ prior written notice to Contractor. Upon its receipt of notice of termination of this Agreement or Purchase Order, Contractor shall follow any instructions of NCTCOG respecting work stoppage. Contractor shall cooperate with NCTCOG and/or Participating Entities to provide for an orderly conclusion of the Services. Contractor shall use its best efforts to minimize the amount of any non-cancelable obligations and shall assign any contracts related thereto to NCTCOG or Participating Entity at its request. If NCTCOG or Participating Entity elects to continue any activities underlying a terminated Purchase Order after termination, Contractor shall cooperate with NCTCOG or Participating Entity to provide for an orderly transfer of Contractor’s responsibilities with respect to such Purchase Order to NCTCOG or Participating Entity. Upon the effective date of any such termination, the Contractor shall submit a final invoice for payment in accordance with Article IV, and NCTCOG or Participating Entity shall pay such amounts as are due to Contractor through the effective date of termination. NCTCOG or Participating Entity shall only be liable for payment of services rendered before the effective date of termination. If Agreement is terminated, certain reporting requirements identified in this Agreement shall survive termination of this Agreement.

- 3.2.1 **Termination for Cause:** Either party may immediately terminate this Agreement if the other party breaches its obligations specified within this Agreement, and, where capable of remedy, such breach has not been materially cured within thirty (30) days of the breaching party's receipt of written notice describing the breach in reasonable detail.
- 3.2.2 **Breach:** Upon any material breach of this Agreement by either party, the non-breaching party may terminate this Agreement upon twenty (20) days written notice to the breaching party. The notice shall become effective at the end of the twenty (20) day period unless the breaching party cures such breach within such period.

ARTICLE IV COMPENSATION

- 4.1 **Invoices.** Contractor shall submit an invoice to the ordering Participating Entity upon receipt of an executed Purchase Order and after completion of the work, with Net 30 payment terms. Costs incurred prior to execution of this Agreement are not eligible for reimbursement. There shall be no obligation whatsoever to pay for performance of this Agreement from the monies of the NCTCOG or Participating Entities, other than from the monies designated for this Agreement and/or executed Purchase Order. Contractor expressly agrees that NCTCOG shall not be liable, financial or otherwise, for Services provided to Participating Entities.
- 4.2 **Reporting.** NCTCOG intends to make this Agreement available to other governmental entities through its SHARE cooperative purchasing program. Contractor shall submit to NCTCOG on a calendar quarterly basis a report that identifies any new client Participating Entities, the date and order number, and the total contracted value of services that each Participating Entity has purchased and paid in full under this Master Service Agreement. Reporting and invoices should be submitted to:

NCTCOG
ATTN: Texas SHARE
PO Box 5888
Arlington, TX 76005-5888
Email: TexasSHARE@nctcog.org

ARTICLE V SERVICE FEE

- 5.1 **Explanation.** NCTCOG will make this Master Service Agreement available to other governmental entities, Participating Entities, and non-profit agencies in Texas and the rest of the United States through its SHARE cooperative purchasing program. The Contractor is able to market the Services under this Agreement to any Participating Entity with emphasis that competitive solicitation is not required when the Participating Entity purchases off of a cooperative purchasing program such as SHARE. However, each Participating Entity will make the decision that it feels is in compliance with its own purchasing requirements. The Contractor realizes substantial efficiencies through their ability to offer pricing through the SHARE Cooperative and that will increase the sales opportunities as well as reduce the need to repeatedly respond to Participating Entities' Requests for Proposals. From these efficiencies, Contractor will pay an administrative fee to SHARE calculated as a percentage of sales processed through the SHARE Master Services Agreement. This administrative fee is not an added cost to SHARE participants. This administrative fee covers the costs of solicitation of the contract, marketing and facilitation, as well as offsets expenses incurred by SHARE.
- 5.2 **Administrative Fee.** NCTCOG will utilize an administrative fee, in the form of a percent of cost that will apply to all contracts between awarded contractor and NCTCOG or participants resulting from this solicitation. The administrative fee will be remitted by the contractor to NCTCOG on a quarterly basis, along with required quarterly reporting. The remuneration fee for this program will be 2% on sales.
- 5.3 **Setup and Implementation.** NCTCOG will provide instruction and guidance as needed to the Contractor to assist in maximizing mutual benefits from marketing these Services through the SHARE purchasing program.

ARTICLE VI RELATIONSHIP BETWEEN THE PARTIES

- 6.1 **Contractual Relationship.** It is understood and agreed that the relationship described in this Agreement between the Parties is contractual in nature and is not to be construed to create a partnership or joint venture or agency relationship between the parties. Neither party shall have the right to act on behalf of the other except as expressly set forth in this Agreement. Contractor will be solely responsible for and will pay all taxes related to the receipt of payments hereunder and shall give reasonable proof and supporting documents, if reasonably requested, to verify the payment of such taxes. No Contractor personnel shall obtain the status of or otherwise be considered an employee of NCTCOG or Participating Entity by virtue of their activities under this Agreement.

REPRESENTATION AND WARRANTIES**7.1 Representations and Warranties.** Contractor represents and warrants that:

- 7.1.1 As of the Effective Date of this Agreement, it is not a party to any oral or written contract or understanding with any third party that is inconsistent with this Agreement and/or would affect the Contractor's performance under this Agreement; or that will in any way limit or conflict with its ability to fulfill the terms of this Agreement. The Contractor further represents that it will not enter into any such agreement during the Term of this Agreement;
- 7.1.2 NCTCOG is prohibited from making any award or permitting any award at any tier to any party which is debarred or suspended or otherwise excluded from, or ineligible for, participation in federal assistance programs under Executive Order 12549, Debarment and Suspension. Contractor and its subcontractors shall include a statement of compliance with Federal and State Debarment and suspension regulations in all Third-party contracts.
- 7.1.3 Contractor shall notify NCTCOG if Contractor or any of the Contractor's sub-contractors becomes debarred or suspended during the performance of this Agreement. Debarment or suspension of the Contractor or any of Contractor's sub-contractors may result in immediate termination of this Agreement.
- 7.1.4 Contractor and its employees and sub-contractors have all necessary qualifications, licenses, permits, and/or registrations to perform the Services in accordance with the terms and conditions of this Agreement, and at all times during the Term, all such qualifications, licenses, permits, and/or registrations shall be current and in good standing.
- 7.1.5 Contractor shall, and shall cause its representatives to, comply with all municipal, state, and federal laws, rules, and regulations applicable to the performance of the Contractor's obligations under this Agreement.

ARTICLE VIII

CONFIDENTIAL INFORMATION AND OWNERSHIP

- 8.1 **Confidential Information.** Contractor acknowledges that any information it or its employees, agents, or subcontractors obtain regarding the operation of NCTCOG or Participating Entities, its products, services, policies, customer, personnel, and other aspect of its operation (“Confidential Information”) is proprietary and confidential, and shall not be revealed, sold, exchanged, traded, or disclosed to any person, company, or other entity during the period of the Contractor’s retention hereunder or at any time thereafter without the express written permission of NCTCOG or Participating Entity.

Notwithstanding anything in this Agreement to the contrary, Contractor shall have no obligation of confidentiality with respect to information that (i) is or becomes part of the public domain through no act or omission of Contractor; (ii) was in Contractor’s lawful possession prior to the disclosure and had not been obtained by Contractor either directly or indirectly from the NCTCOG or Participating Entity; (iii) is lawfully disclosed to Contractor by a third party without restriction on disclosure; (iv) is independently developed by Contractor without use of or reference to the NCTCOG’s Participating Entity’s Confidential Information; or (v) is required to be disclosed by law or judicial, arbitral or governmental order or process, provided Contractor gives the NCTCOG or Participating Entity prompt written notice of such requirement to permit the NCTCOG or Participating Entity to seek a protective order or other appropriate relief. Contractor acknowledges that NCTCOG and Participating Entities must strictly comply with applicable public information laws, in responding to any request for public information. This obligation supersedes any conflicting provisions of this Agreement.

- 8.2 **Ownership.** No title or ownership rights to any applicable software are transferred to the NCTCOG by this agreement. The Contractor and its suppliers retain all right, title and interest, including all copyright and intellectual property rights, in and to, the software (as an independent work and as an underlying work serving as a basis for any improvements, modifications, derivative works, and applications NCTCOG may develop), and all copies thereof. All final documents, data, reports, information, or materials are and shall at all times be and remain, upon payment of Contractor’s invoices therefore, the property of NCTCOG or Participating Entity and shall not be subject to any restriction or limitation on their future use by, or on behalf of, NCTCOG or Participating Entity, except otherwise provided herein. Subject to the foregoing exception, if at any time demand be made by NCTCOG or Participating Entity for any documentation related to this Agreement and/or applicable Purchase Orders for the NCTCOG and/or any Participating Entity, whether after termination of this Agreement or otherwise, the same shall be turned over to NCTCOG without delay, and in no event later than thirty (30) days after such demand is made. Contractor shall have the right to retain copies of documentation, and other items for its archives. If for any reason the foregoing Agreement regarding the ownership of documentation is determined to be unenforceable, either in whole or in part, the Contractor hereby assigns and agrees to assign to NCTCOG all rights, title, and interest that the Contractor may have or at any time acquire in said documentation and other materials, provided that the Contractor has been paid the aforesaid.

ARTICLE IX
GENERAL PROVISIONS

9.1 **Notices.** All notices from one Party to another Party regarding this Agreement shall be in writing and delivered to the addresses shown below:

If to NCTCOG: North Central Texas Council of Governments
P.O. Box 5888
Arlington, TX 76005-5888
Attn: Craigan Johnson
(817) 695-9186
Cjohnson@nctcog.org

If to Contractor: Applied Research Associates, Inc.
Attn: William R. Vavrik
100 Trade Center Dr. Suite 200
Champaign, IL 64821
(217) 356-4500
wvavrik@ara.com

The above contact information may be modified without requiring an amendment to the Agreement.

9.2 **Tax.** NCTCOG and several participating entities are exempt from Texas limited sales, federal excise and use tax, and does not pay tax on purchase, rental, or lease of tangible personal property for the organization's use. A tax exemption certificate will be issued upon request.

9.3 **Indemnification.** Contractor shall defend, indemnify, and hold harmless NCTCOG and Participating Entities, NCTCOG's affiliates, and any of their respective directors, officers, employees, agents, subcontractors, successors, and assigns from any and all suits, actions, claims, demands, judgments, liabilities, losses, damages, costs, and expenses (including reasonable attorneys' fees and court costs) (collectively, "Losses") arising out of or relating to: (i) Services performed and carried out pursuant to this Agreement; (ii) breach of any obligation, warranty, or representation in this Agreement, (iii) the negligence or willful misconduct of Contractor and/or its employees or subcontractors; or (iv) any infringement, misappropriation, or violation by Contractor and/or its employees or subcontractors of any right of a third party; provided, however, that Contractor shall have no obligation to defend, indemnify, or hold harmless to the extent any Losses are the result of NCTCOG's or Participating Entities' gross negligence or willful misconduct.

9.4 **Limitation of Liability.** In no event shall either party be liable for special, consequential, incidental, indirect or punitive loss, damages or expenses arising out of or relating to this Agreement, whether arising from a breach of contract or warranty, or arising in tort, strict liability, by statute or otherwise, even if it has been advised of their possible existence or if such loss, damages or expenses were reasonably foreseeable.

Notwithstanding any provision hereof to the contrary, neither party's liability shall be limited by this Article with respect to claims arising from breach of any confidentiality obligation, arising from such party's infringement of the other party's intellectual property rights, covered by any express indemnity obligation of such party hereunder, arising from or with respect to injuries to persons or damages to tangible property, or arising out of the gross negligence or willful misconduct of the party or its employees.

9.5 **Insurance.** At all times during the term of this Agreement, Contractor shall procure, pay for, and maintain, with approved insurance carriers, the minimum insurance requirements set forth below, unless otherwise agreed in a Purchase Order between Contractor and Participating Entities. Further, Contractor shall require all contractors and sub-contractors performing work for which the same liabilities may apply under this Agreement to do likewise. All subcontractors performing work for which the same liabilities may apply under this contract shall be required to do likewise. Contractor

may cause the insurance to be effected in whole or in part by the contractors or sub-contractors under their contracts. NCTCOG reserves the right to waive or modify insurance requirements at its sole discretion.

- 9.5.1 Workers' Compensation: Statutory limits and employer's liability of \$100,000 for each accident or disease.
- 9.5.2 Commercial General Liability:
 - 9.5.2.1 Required Limits:
 - \$1,000,000 per occurrence;
 - \$3,000,000 Annual Aggregate
 - 9.5.2.2 Commercial General Liability policy shall include:
 - 9.5.2.2.1 Coverage A: Bodily injury and property damage;
 - 9.5.2.2.2 Coverage B: Personal and Advertising Injury liability;
 - 9.5.2.2.3 Coverage C: Medical Payments;
 - 9.5.2.2.4 Products: Completed Operations;
 - 9.5.2.2.5 Fire Legal Liability;
 - 9.5.2.3 Policy coverage must be on an "occurrence" basis using CGL forms as approved by the Texas State Board of Insurance.
- 9.5.3 Business Auto Liability: Coverage shall be provided for all owned hired, and non-owned vehicles. Required Limit: \$1,000,000 combined single limit each accident.
- 9.5.4 Professional Errors and Omissions liability:
 - 9.5.4.1 Required Limits:
 - \$1,000,000 Each Claim
 - \$1,000,000 Annual Aggregate
- 9.6 **Conflict of Interest.** During the term of this Agreement, and all extensions hereto and for a period of one (1) year thereafter, neither party, shall, without the prior written consent of the other, directly or indirectly, whether for its own account or with any other persons or entity whatsoever, employ, solicit to employ or endeavor to entice away any person who is employed by the other party.
- 9.7 **Force Majeure.** It is expressly understood and agreed by both parties to this Agreement that, if the performance of any provision of this Agreement is delayed by force majeure, defined as reason of war, civil commotion, act of God, governmental restriction, regulation or interference, fire, explosion, hurricane, flood, failure of transportation, court injunction, or any circumstances which are reasonably beyond the control of the party obligated or permitted under the terms of this Agreement to do or perform the same, regardless of whether any such circumstance is similar to any of those enumerated herein, the party so obligated or permitted shall be excused from doing or performing the same during such period of delay, so that the period of time applicable to such requirement shall be extended for a period of time equal to the period of time such party was delayed. Each party must inform the other in writing within a reasonable time of the existence of such force majeure.
- 9.8 **Ability to Perform.** Contractor agrees promptly to inform NCTCOG of any event or change in circumstances which may reasonably be expected to negatively affect the Contractor's ability to perform its obligations under this Agreement in the manner contemplated by the parties.
- 9.9 **Availability of Funding.** This Agreement and all claims, suits, or obligations arising under or related to this Agreement are subject to and limited by the receipt and availability of funds which are received from the Participating Entities by NCTCOG dedicated for the purposes of this Agreement.
- 9.10 **Governing Law.** This Agreement will be governed by and construed in accordance with the laws of the State of Texas, United States of America. The mandatory and exclusive venue for the

adjudication or resolution of any dispute arising out of this Agreement shall be in Tarrant County, Texas.

- 9.11 **Waiver.** Failure by either party to insist on strict adherence to any one or more of the terms or conditions of this Agreement, or on one or more occasions, will not be construed as a waiver, nor deprive that party of the right to require strict compliance with the same thereafter.
- 9.12 **Entire Agreement.** This Agreement and any attachments/addendums, as provided herein, constitutes the entire agreement of the parties and supersedes all other agreements, discussions, representations or understandings between the parties with respect to the subject matter hereof. No amendments hereto, or waivers or releases of obligations hereunder, shall be effective unless agreed to in writing by the parties hereto.
- 9.13 **Assignment.** This Agreement may not be assigned by either Party without the prior written consent of the other Party.
- 9.14 **Severability.** In the event any one or more of the provisions contained in this Agreement shall for any reason be held to be invalid, illegal, or unenforceable in any respect, such invalidity, illegality, or unenforceability shall not affect any other provision(s) hereof, and this Agreement shall be revised so as to cure such invalid, illegal, or unenforceable provision(s) to carry out as near as possible the original intents of the Parties.
- 9.15 **Amendments.** This Agreement may be amended only by a written amendment executed by both Parties, except that any alterations, additions, or deletions to the terms of this Agreement, which are required by changes in Federal and State law or regulations or required by the funding source, are automatically incorporated into this Agreement without written amendment hereto and shall become effective on the date designated by such law or regulation.
- 9.16 **Dispute Resolution.** The parties to this Agreement agree to the extent possible and not in contravention of any applicable State or Federal law or procedure established for dispute resolution, to attempt to resolve any dispute between them regarding this Agreement informally through voluntary mediation, arbitration or any other local dispute mediation process, including but not limited to dispute resolution policies of NCTCOG, before resorting to litigation.
- 9.17 **Publicity.** Contractor shall not issue any press release or make any statement to the media with respect to this Agreement or the services provided hereunder without the prior written consent of NCTCOG.
- 9.18 **Survival.** Rights and obligations under this Agreement which by their nature should survive will remain in effect after termination or expiration hereof.

ARTICLE X**ADDITIONAL REQUIREMENTS**

- 10.1 **Equal Employment Opportunity.** Contractor shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, sexual orientation, gender identity, or national origin. Contractor shall take affirmative actions to ensure that applicants are employed, and that employees are treated, during their employment, without regard to their race, religion, color, sex, sexual orientation, gender identity, or national origin. Such actions shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.
- 10.2 **Davis-Bacon Act.** Contractor agrees to comply with all applicable provisions of 40 USC § 3141 – 3148.
- 10.3 **Contract Work Hours and Selection Standards.** Contractor agrees to comply with all applicable provisions of 40 USC § 3701 – 3708 to the extent this Agreement indicates any employment of mechanics or laborers.
- 10.4 **Rights to Invention Made Under Contract or Agreement.** Contractor agrees to comply with all applicable provisions of 37 CFR Part 401.
- 10.5 **Clean Air Act, Federal Water Pollution Control Act, and Energy Policy Conservation Act.** Contractor agrees to comply with all applicable provisions of the Clean Air Act under 42 USC § 7401 – 7671, the Energy Federal Water Pollution Control Act 33 USC § 1251 – 1387, and the Energy Policy Conservation Act under 42 USC § 6201.
- 10.6 **Debarment/Suspension.** Contractor is prohibited from making any award or permitting any award at any tier to any party which is debarred or suspended or otherwise excluded from or ineligible for participation in federal assistance programs under Executive Order 12549, Debarment and Suspension. Contractor and its subcontractors shall comply with the Certification Requirements for Recipients of Grants and Cooperative Agreements Regarding Debarments and Suspensions.
- 10.7 **Restrictions on Lobbying.** Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)—Contractors that apply or bid for an award exceeding \$100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.
- 10.8 **Procurement of Recovered Materials.** Contractor agrees to comply with all applicable provisions of 2 CFR §200.322.
- 10.9 **Drug-Free Workplace.** Contractor shall provide a drug free work place in compliance with the Drug Free Work Place Act of 1988.
- 10.10 **Texas Corporate Franchise Tax Certification.** Pursuant to Article 2.45, Texas Business Corporation Act, state agencies may not contract with for profit corporations that are delinquent in making state franchise tax payments.
- 10.11 **Civil Rights Compliance**
Compliance with Regulations: Contractor will comply with the Acts and the Regulations relative to Nondiscrimination in Federally-assisted programs of the U.S. Department of Transportation

(USDOT), the Federal Highway Administration (FHWA), as they may be amended from time to time, which are herein incorporated by reference and made part of this agreement.

Nondiscrimination: Contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, sex, or national origin in the selection and retention of subcontractors, including procurement of materials and leases of equipment. 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 45 CFR Part 21.

Solicitations for Subcontracts, Including Procurement of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by Contractor for work to be performed under a subcontract, including procurement of materials or leases of equipment, each potential subcontractor or supplier will be notified by Contractor of obligations under this contract and the Acts and Regulations relative to Nondiscrimination on the grounds of race, color, sex, or national origin.

Information and Reports: 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 facilities as may be determined by the State or the FHWA to be pertinent to ascertain compliance with such Acts, Regulations or directives. Where any information required of Contractor is in the exclusive possession of another who fails or refuses to furnish this information, Contractor will so certify to NCTCOG, the Texas Department of Transportation (“the State”) or the Federal Highway Administration, as appropriate, and will set forth what efforts it has made to obtain the information.

Sanctions for Noncompliance: In the event of Contractor’s noncompliance with the Nondiscrimination provisions of this Agreement, NCTCOG will impose such sanctions as it or the State or the FHWA may determine to be appropriate, including, but not limited to: withholding of payments to the Contractor under this Agreement until the Contractor compiles and/or cancelling, terminating or suspension of this Agreement, in whole or in part.

Incorporation of Provisions: Contractor will include the provisions of the paragraphs listed above, in this section 10.11, in every subcontract, including procurement of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. Contractor will take such action with respect to any subcontract or procurement as NCTCOG, the State, or the FHWA may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if Contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier because of such direction, Contractor may request the State to enter into such litigation to protect the interests of the State. In addition, Contractor may request the United States to enter into such litigation to protect the interests of the United States.

10.12 Disadvantaged Business Enterprise Program Requirements

Contractor shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of any U.S. Department of Transportation (DOT)-assisted contract or in the administration of its DBE program or the requirements of 49 CFR Part 26. Contractor shall take all necessary and reasonable steps under 49 CFR Part 26 to ensure non-discrimination in award and administration of DOT-assisted contracts. Each sub-award or sub-contract must include the following assurance: *The Contractor, sub-recipient, or sub-contractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this Agreement. 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 agreement, which may result in the termination of this agreement or such other remedy as the recipient deems appropriate.*

10.13 Pertinent Non-Discrimination Authorities

During the performance of this Agreement, Contractor, for itself, its assignees, and successors in interest agree to comply with the following nondiscrimination statutes and authorities; including but not limited to:

- a. Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- b. The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects).
- c. Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), as amended, (prohibits discrimination on the basis of sex).
- d. Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.) as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27.
- e. The Age Discrimination Act of 1975, as amended, (49 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age).
- f. Airport and Airway Improvement Act of 1982, (49 U.S.C. Chapter 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex).
- g. The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms “programs or activities” to include all of the programs or activities of the Federal-aid recipients, subrecipients and contractors, whether such programs or activities are Federally funded or not).
- h. Titles II and III of the Americans with Disabilities Act, which prohibits discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38.
- i. The Federal Aviation Administration’s Nondiscrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex).
- j. Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures nondiscrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations.
- k. Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, the parties must take reasonable steps to ensure that LEP persons have meaningful access to the programs (70 Fed. Reg. at 74087 to 74100).
- i. Title IX of the Education Amendments of 1972, as amended, which prohibits the parties from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq.).

10.17

Eligibility to Receive State Grants or Loans, or Receive Payment on State Contracts

In accordance with Section 231.006 of the Texas Family Code, a child support obligor who is more than thirty (30) days delinquent in paying child support and a business entity in which the obligor is a sole proprietor, partner, shareholder, or owner with an ownership interest of at least twenty-five (25) percent is not eligible to:

- a. Receive payments from state funds under a contract to provide property, materials or services; or
- b. Receive a state-funded grant or loan.

By signing this Agreement, the Contractor certifies compliance with this provision.

10.15 House Bill 89 Certification

If contractor is required to make a certification pursuant to Section 2270.002 of the Texas Government Code, contractor certifies that contractor does not boycott Israel and will not boycott Israel during the term of the contract resulting from this solicitation. If contractor does not make that certification, contractor state in the space below why the certification is not required.

10.16 Certification Regarding Disclosure of Conflict of Interest.

The undersigned certifies that, to the best of his or her knowledge or belief, that:

“No employee of the contractor, no member of the contractor’s governing board or body, and no person who exercises any functions or responsibilities in the review or approval of the undertaking or carrying out of this contract shall participate in any decision relating to this contract which affects his/her personal pecuniary interest.

Executives and employees of contractor shall be particularly aware of the varying degrees of influence that can be exerted by personal friends and associates and, in administering the contract, shall exercise due diligence to avoid situations which give rise to an assertion that favorable treatment is being granted to friends and associates. When it is in the public interest for the contractor to conduct business with a friend or associate of an executive or employee of the contractor, an elected official in the area or a member of the North Central Texas Council of Governments, a permanent record of the transaction shall be retained.

Any executive or employee of the contractor, an elected official in the area or a member of the NCTCOG, shall not solicit or accept money or any other consideration from a third person, for the performance of an act reimbursed in whole or part by contractor or Department. Supplies, tools, materials, equipment or services purchased with contract funds shall be used solely for purposes allowed under this contract. No member of the NCTCOG shall cast a vote on the provision of services by that member (or any organization which that member represents) or vote on any matter which would provide a direct or indirect financial benefit to the member or any business or organization which the member directly represents”.

No officer, employee or paid consultant of the contractor is a member of the NCTCOG.

No officer, manager or paid consultant of the contractor is married to a member of the NCTCOG.

No member of NCTCOG directly owns, controls or has interest in the contractor.

The contractor has disclosed any interest, fact, or circumstance that does or may present a potential conflict of interest.

NO MEMBER OF THE NCTCOG RECEIVES COMPENSATION FROM THE CONTRACTOR FOR LOBBYING ACTIVITIES AS DEFINED IN CHAPTER 305 OF THE TEXAS GOVERNMENT CODE.

Should the contractor fail to abide by the foregoing covenants and affirmations regarding conflict of interest, the contractor shall not be entitled to the recovery of any costs or expenses incurred in relation to the contract and shall immediately refund to the North Central Texas Council of Governments any fees or expenses that may have been paid under this contract and shall further be liable for any other costs incurred or damages sustained by the NCTCOG as it relates to this contract.

10.17 Certification of Fair Business Practices

That the submitter affirms that the submitter has not been found guilty of unfair business practices in a judicial or state agency administrative proceeding during the preceding year. The submitter further affirms that no officer of the submitter has served as an officer of any company found guilty of unfair business practices in a judicial or state agency administrative during the preceding year.

10.18 Certification of Good Standing Texas Corporate Franchise Tax Certification

Pursuant to Article 2.45, Texas Business Corporation Act, state agencies may not contract with for profit corporations that are delinquent in making state franchise tax payments. The undersigned authorized representative of the corporation making the offer herein certified that the following indicated Proposal is true and correct and that the undersigned understands that making a false Proposal is a material breach of contract and is grounds for contract cancellation.

10.19 Prohibition on Certain Telecommunications and Video Surveillance Services or Equipment.

Pursuant to Public Law 115-232, Section 889, and 2 Code of Federal Regulations (CFR) Part 200, including §200.216 and §200.471, NCTCOG is prohibited from using federal funds to procure, contract with entities who use, or extend contracts with entities who use certain telecommunications and video surveillance equipment or services provided by certain Chinese controlled entities. The Contractor agrees that it is not providing NCTCOG with or using telecommunications and video surveillance equipment and services as prohibited by 2 CFR §200.216 and §200.471. Contractor shall certify its compliance through execution of the “Prohibited Telecommunications and Video Surveillance Services or Equipment Certification,” which is included as Appendix D of this Contract. The Contractor shall pass these requirements down to any of its subcontractors funded under this Agreement. The Contractor shall notify NCTCOG if the Contractor cannot comply with the prohibition during the performance of this Contract.

10.20 Discrimination Against Firearms Entities or Firearms Trade Associations

Pursuant to Texas Local Government Code Chapter 2274, Subtitle F, Title 10, prohibiting contracts with companies who discriminate against firearm and ammunition industries. NCTCOG is prohibited from contracting with entities, or extend contracts with entities who have practice, guidance, or directive that discriminates against a firearm entity or firearm trade association. Contractor shall certify its compliance through execution of the “Discrimination Against Firearms Entities or Firearms Trade Associations Certification,” which is included as Appendix D of this Contract. The Contractor shall pass these requirements down to any of its subcontractors funded under this Agreement. The Contractor shall notify NCTCOG if the Contractor cannot comply with the prohibition during the performance of this Contract.

10.21 Boycotting of Certain Energy Companies

Pursuant to Texas Local Government Code Chapter 2274, Subtitle F, Title 10, prohibiting contracts with companies who boycott certain energy companies. NCTCOG is prohibited from contracting with entities or extend contracts with entities that boycott energy companies. Contractor shall certify its compliance through execution of the “Boycotting of Certain Energy Companies Certification,” which is included as Appendix D of this Contract. The Contractor shall pass these requirements down to any of its subcontractors funded under this Agreement. The Contractor shall notify NCTCOG if the Contractor cannot comply with the prohibition during the performance of this Contract.

APPENDIX A Statement of Work

The Contractor shall provide or implement one or more of the following Contract Items for Pavement Analysis and Related Services for existing SHARE Member Entities.

The following selection of anticipated tasks is **not all-encompassing**, and additional Pavement Analysis and Related Services tasks may be requested by SHARE Members; if desired.

The following categories of pavement analysis services comprise the essential elements of the contracted services available under this Agreement:

- Pavement Data Collection
- Asset Inventory
- Pavement Management Analysis
- Electronic Products
- Pavement Structural Analysis
- GIS Related Services
- Value Added Services

Contract Item #1 Pavement Data Collection:

1. Automatically and continuously measure pavement cracking, texture, rutting and geometrics. Equipment used for rut measurement shall be capable of measuring both wheel track ruts simultaneously.
2. Collect pavement surface distress and structural condition information through automated means for all Participant-owned roadways.
3. Provide a customized digital condition rating system to collect user defined severity/extent-based pavement distresses and pertinent roadway attributes to accommodate a standardized approach to collecting data.
4. Collect dual-wheel path roughness data to International Roughness Index standards.
5. Collect pavement performance information that includes rutting using a minimum of seven (7) sensors (include pricing for nine (9) sensors as well), fatigue cracking, transverse cracking using a minimum of four (4) sensors, and longitudinal cracking
6. Perform friction testing
7. Measure lane striping reflectivity quality

Contract Item #2 Asset Inventory:

8. Collect sidewalk data to include location, length, width, location in relation to curb and if greenspaces exist between curb and sidewalk, and sidewalk condition to create shapefiles (.shp) for incorporation into the Participant's GIS system, if applicable.
9. Collect sidewalk Barrier Free Ramp data to include location, configuration, presence of truncated domes or other detectable warning feature, and condition and create shapefiles (.shp) for incorporation into the Participant's GIS system, if applicable.

10. Collect roadway sign data to include type and location and create shapefiles (.shp) for incorporation into the Participant's GIS system, if applicable.
11. Collect photos of Barrier Free Ramps, sidewalks, curb condition, drive approach, and/or roadway signs inventoried under items 8, 9, and 10 above.
12. Collect location of curb and gutter and create shapefiles (.shp) for incorporation into the Participant's GIS system, if applicable.
13. Collect location and type of visible in-pavement features such as valves, manhole covers, etc. and create shapefiles (.shp) for incorporation into the Participant's GIS system, if applicable.
14. Collect locations of trees, including height and spread
15. Collect bike lane locations, including width, length, and associated signage and striping.
16. Utilize Ground Penetrating Radar for relocating utilities (for maintenance plans).
17. Collect data on location and surface condition of bridge approaches
18. Collect information on bridge deck condition
19. Perform Parking Lot Pavement Condition Assessment (Thru-Travel Lanes) w/ Inventory, Attribute, & Geodatabase Development
20. Right of Way Assets Database Development (GPS & Camera Configuration):
 - a. Sign & Support Database Development
 - b. Markings & Striping Database Development
 - c. Traffic Signals/ Flashers. Controllers Database Development
 - d. Street Lights Database Development
 - e. Drop Inlets Database Development
 - f. Driveways Database Development
 - g. Bridges Database Development
 - h. Speed Humps Database Development
 - i. Street Furniture Database Development
 - j. Cattle Guards Database Development
 - k. Guardrails & Roadside Pedestrian Fence Database Development
 - l. Culverts and Ditches
 - m. Cabinets
 - n. Utility Poles
 - o. Fire Hydrant
 - p. Medians Database
 - q. Valves
 - r. Manhole Covers
 - s. Trees
 - t. Catch Basins/ Drainage Inlets from Master Drainage Plan
 - u. Sidewalk Database Development
 - v. Curb & Gutter Database Development

Contract Item #3 Pavement Management Analysis:

21. Calculate the International Roughness Index (IRI) for each road segment in accordance with ASTM E1926. Provide results compatible with the Participant's GIS database, if applicable.

22. Calculate a Pavement Condition Index (PCI) score for each road segment using an approved pavement management system and in accordance with ASTM D6433 or ASTM E3303. Provide results compatible with the Participant's GIS database, if applicable.
23. With input from Participant's staff, devise a weighing system taking into account PCI, IRI, average daily traffic for thoroughfares (traffic count raw data provided by Participant), public safety emergency routes, and apply this 0-100 numeric index to the roadway information collected for the entire jurisdiction. Provide results compatible with the Participant's GIS database, if applicable.
24. Estimate the annual budget required to meet the long-term goals regarding desired pavement condition levels.
25. Create a five-year and ten-year pavement rehabilitation plan with input from Participant's staff.
26. Recommend the computer hardware and software needed for successful implementation, potentially including recommendations for licenses of pavement management system software and other geodatabase software as needed.
27. Train Participant staff and provide assistance to the Public Works and IT Department as needed for the use of data collected through the fully automated system.

Contract Item #4 Electronic Products:

28. Roadway information that shall be collected and provided to the Participant at a minimum includes:
- a. Street Name
 - b. Endpoint One, Endpoint Two, and Segment ID
 - c. Segment Length and Pavement Width
 - d. Inventory Date
 - e. Pavement Type
 - f. Segment Functional Classification
 - g. Pavement condition scored depending on the requirements of local government Participant(s) (Example: Pavement condition scored as one of the MicroPaver 19 surface distress codes with corresponding unit of measure scored every 100 feet longitudinally)
 - h. Pavement performance information that includes rutting, fatigue cracking, transverse cracking, and longitudinal cracking
 - i. Pavement age (if necessary to develop pavement life curves)
29. Collect digital images at 25-foot intervals of the road surface condition and link to a geodatabase (minimum forward facing imagery).
30. Load assessment data for all Participant-maintained pavements into a pavement management system required by local government Participant(s), if applicable. (Example: MicroPaver). The assessment data shall include visual observations, photographs and measurements collected by instrumentation.
31. Implement map module so that pavement condition and other data can be integrated, displayed,

and accessed through the map interface in a format consistent with the Participant's horizontal and vertical control network system, if applicable.

32. Provide to the Participant the pavement condition data in a pavement management system database approved by Participant. Coordinate with the Participant's IT department to provide pavement condition data in a format compatible with the Participant's Environmental Systems Research Institute (ESRI) GIS database, if applicable.
33. Asset management tools or systems (not just collection) (i.e. 15-year plan about how to fix or repair assets).

Contract Item #5 Pavement Structural Analysis:

34. Collect and analyze pavement structural condition information through the use of a falling weight deflectometer in accordance with industry standards on designated participant-owned roadways.
35. Collect and analyze pavement structural condition information through the use of Ground Penetrating Radar (GPR) in accordance with industry standards on designated participant-owned roadways.
36. Collect and analyze pavement structural condition information through the use of pavement cores in accordance with industry standards on designated participant-owned roadways (traffic control included).

Contract Item #6 GIS Related Services:

37. GIS Clean-Up Services
38. GIS Support Services
39. GIS Remote Training Sessions from GIS Manager/ Expert (2-Hour Sessions)

Contract Item #7 Value Added Services:

40. Full Written Final Report- Firm shall prepare and submit a written project report summarizing the work performed, dates of collection, methodology, and results.
41. Project Presentation- Firm shall prepare and present a written project report summarizing the work performed, dates of collection, methodology, and results to the Participant's legislative body.
42. Provide Curb Ramp and ADA/Barrier Free Ramp Compliance Survey.
43. Stand-alone field operation for collection of asset inventory only, with different levels of position accuracy and abilities to use data for attribute registration and conditions.
 - a. Photogrammetry
 - b. Mobile Lidar
44. Generic asset types, allowing for any item within line of sight of the collection vehicle.
 - a. Above ground point asset
 - b. Above ground linear asset
 - c. At grade point asset
 - d. At grade linear asset

45. Provide consultancy services to develop linework in GIS for missing sidewalks in order to quantify and identify on a map.

The awarded Contractor(s) shall provide all necessary field inspectors, vehicles, tools, equipment, traffic control and other services required to perform this work. No engineering services are available under this contact. Any activities that Participant and/or Contractor deem to require the service(s) of an engineer must be procured separately and are the sole responsibility of that party.

Pricing for Txshare Cooperative Purchase Program Participants

For Pavement Analysis and Related Services, Contractor shall quote participating SHARE Entities the rates and/or discount required for a custom implementation of the services specified by the RFP. Contractor's proposed rates for related Pavement Analysis and Related Services are found below.

Category #	Description	Yes	No	Proposed % Discount
1	Pavement Data Collection	X		___ 0 ___ %
2	Asset Inventory Management	X		___ 0 ___ %
3	Pavement Management Analysis	X		___ 0 ___ %
4	Electronic Products	X		___ 0 ___ %
5	Pavement Structural Evaluations	X		___ 0 ___ %
6	GIS Related Services	X		___ 0 ___ %
7	Value Added Services	X		___ 0 ___ %

RFP 2022-063 Pavement Analysis and Related Services									
Attachment A (per Exhibit D) - Pricing Proposal Form									
Proposed prices shall include all field inspectors, vehicles, tools, equipment, traffic control, contractor maintenance, and customer service support necessary to provide the desired services.							Respondents must not include		
mobilization fees in their pricing and may not include them in any contract(s) that result from this RFP.									
If a respondent elects to submit a percentage discount off their catalog pricing for any or all of their services, the corresponding price for each numbered activity listed in Attachment A must account for the proposed discount listed in Exhibit C.							If you are not proposing a		
percentage-discount, please use your established list price for each for each numbered pavement analysis and related services activity.									
[Example: If your catalog price is \$100 per unit, and you indicate a 5% discount from catalog pricing in Exhibit C, your pricing form in Attachment A should reflect a unit price of \$95.									
Conversely, if your catalog price is \$100 per unit, and you indicate a 0% discount or N/A in Exhibit C, your pricing form in Attachment A should reflect a unit price of \$100.]									
Service Category #1: Pavement Data Collection									
Activity #	Activity Description	Unit	Provide Price Per Tiered Group			Total Units	Agreed Upon Cost (\$)/Unit	Total Agreed Upon Cost (\$)	
			Unit Base (\$)	Cost	Unit Cost (\$)				Unit Cost (\$)
1	Automatically and continuously measure pavement cracking, texture, rutting and geometrics. Equipment used for rut measurement shall be capable of measuring both wheel track ruts simultaneously.	Lane Mile ¹			\$100.00	\$100.00	\$100.00	0	
2	Collect pavement surface distress and structural condition information through automated means for all Participant-owned roadways.	Lane Mile ¹			\$50.00	\$50.00	\$50.00	0	
3	Provide a customized digital condition rating system to collect user defined severity/extent based pavement distresses and pertinent roadway attributes to accommodate a standardized approach to collecting data	Lump Sum	\$5,000.00					0	
4	Collect dual-wheel path roughness data to International Roughness Index standards.	Lane Mile ¹			\$8.00	\$8.00	\$8.00	0	
5	Collect pavement performance information that includes rutting using a minimum of seven (7) sensors (include pricing for nine (9) sensors as well), fatigue cracking, transverse cracking using a minimum of four (4) sensors, and longitudinal cracking	Lane Mile ¹			\$18.00	\$18.00	\$18.00	0	
6	Perform friction testing	Lane Mile ¹			\$170.00	\$113.00	\$94.00	0	
7	Measure lane striping reflectivity quality	Lane Mile ¹			\$675.00	\$282.00	\$176.00	0	
Service Category #2: Asset Inventory									
Activity #	Activity Description	Unit	Provide Price Per Tiered Group			Total Units	Agreed Upon Cost (\$)/Unit	Total Agreed Upon Cost (\$)	
			Unit Base (\$)	Cost	Unit Cost (\$)				Unit Cost (\$)
8	Collect sidewalk data to include location, length, width, location in relation to curb and if greenspaces exist between curb and sidewalk, and sidewalk condition to create shape (.shp) files for incorporation into the Participant's GIS system, if applicable	Lane Mile ¹			\$34.50	\$34.50	\$34.50	0	
9	Collect sidewalk Barrier Free Ramp data to include location, configuration, presence of truncated domes or other detectable warning feature, and condition and create shape (.shp) files for incorporation into the Participant's GIS system, if applicable	Lane Mile ¹	\$34.50					0	
10	Collect roadway sign data to include type and location and create shape (.shp) files for incorporation into the Participant's GIS system, if applicable.	Lane Mile ¹	\$34.50					0	
11	Collect photos of Barrier Free Ramps, sidewalks, curb condition, drive approach, and/or roadway signs inventoried under items 8, 9, and 10 above.	Lane Mile ¹	\$20.70					0	
12	Collect location of curb and gutter and create shape (.shp) files for incorporation into the Participant's GIS system, if applicable.	Linear Feet	\$0.03					0	
13	Collect location and type of visible in-pavement features such as valves, manhole covers, etc. and create shape (.shp) files for incorporation into the Participant's GIS system, if applicable.	Lane Mile ¹	\$34.50					0	
14	Collect locations of trees, including height and spread	Lane Mile ¹	\$34.50					0	
15	Collect bike lane locations, including width, length, and associated signage and striping.	Linear Feet	\$0.05					0	
16	Utilize Ground Penetrating Radar for relocating utilities (for maintenance plans).	Linear Feet	\$50.00					0	
17	Collect data on location and surface condition of bridge approaches	Each	\$60.00					0	
18	Collect information on bridge deck condition	Each	\$60.00					0	
19	Perform Parking Lot Pavement Condition Assessment (Thru-Travel Lanes) w/ Inventory, Attribute, & Geodatabase Development	Square Yard	\$0.05					0	
20 (a-v) below:	Right of Way Assets Database Development (GPS & Camera Configuration):								
20a	Sign & Support Database Development	Each	\$6,000.00					0	
20b	Markings & Striping Database Development	Each	\$6,000.00					0	
20c	Traffic Signals/ Flashers and Controllers Database Development	Each	\$6,000.00					0	
20d	Street Lights Database Development	Each	\$6,000.00					0	
20e	Drop Inlets Database Development	Each	\$6,000.00					0	
20f	Drivepads Database Development	Each	\$6,000.00					0	
20g	Bridges Database Development	Each	\$6,000.00					0	
20h	Speed Humps Database Development	Each	\$6,000.00					0	
20i	Street Furniture Database Development	Each	\$6,000.00					0	
20j	Cattle Guards Database Development	Each	\$6,000.00					0	
20k	Guardrails & Roadside Pedestrian Fence Database Development	Each	\$6,000.00					0	
20l	Culverts and Ditches Database Development	Each	\$6,000.00					0	
20m	Cabinets Database Development	Each	\$6,000.00					0	
20n	Utility Poles Database Development	Each	\$6,000.00					0	
20o	Fire Hydrant Database Development	Each	\$6,000.00					0	
20p	Medians Database Development	Each	\$6,000.00					0	
20q	Valves Database Development	Each	\$6,000.00					0	
20r	Manhole Covers Database Development	Each	\$6,000.00					0	
20s	Trees Database Development	Each	\$6,000.00					0	
20t	Catch Basins/ Drainage Inlets from Master Drainage Plan Database Development	Each	\$6,000.00					0	
20u	Sidewalk Database Development	Each	\$6,000.00					0	
20v	Curb & Gutter Database Development	Each	\$6,000.00					0	
Service Category #3: Pavement Management Analysis									
Activity #	Activity Description	Unit	Provide Price Per Tiered Group			Total Units	Agreed Upon Cost (\$)/Unit	Total Agreed Upon Cost (\$)	
			Unit Base (\$)	Cost	Unit Cost (\$)				Unit Cost (\$)
21	Calculate the International Roughness Index (IRI) for each road segment in accordance with ASTM E1926. Provide results compatible with the Participant's GIS database, if applicable.	Lane Mile ¹			\$3.00	\$3.00	\$3.00	0	
22	Calculate a Pavement Condition Index (PCI) score for each road segment using an approved pavement management system and in accordance with ASTM D6433 or ASTM E3303. Provide results compatible with the Participant's GIS database, if applicable.	Lane Mile ¹			\$15.00	\$15.00	\$15.00	0	
23	With input from Participant's staff, devise a weighing system taking into account PCI, IRI, average daily traffic for thoroughfares (traffic count raw data provided by Participant), public safety emergency routes, and apply this 0-100 numeric index to the roadway information collected for the entire jurisdiction. Provide results compatible with the Participant's GIS database, if applicable. Cost includes base cost plus lane mile unit cost.	Lane Mile ¹	\$4,000.00		\$4.00	\$4.00	\$4.00	0	
24	Estimate the annual budget required to meet the long-term goals regarding desired pavement condition levels. Cost includes base cost plus lane mile unit cost.	Each Participant	\$5,000.00		\$10.00	\$10.00	\$10.00	0	
25	Create a five year and ten year pavement rehabilitation plan with input from Participant's staff. Cost includes base cost plus lane mile unit cost.	Each Participant	\$5,000.00		\$10.00	\$10.00	\$10.00	0	
26	Recommend the computer hardware and software needed for successful implementation, potentially including recommendations for licenses of pavement management system software and other geodatabase software as needed.	Each Participant	\$3,500.00					0	
27	Train Participant staff and provide assistance to the Public Works and IT Department as needed for the use of data collected through the fully automated system. (20 person maximum per class)	Day	\$10,000.00					0	
Service Category #4: Electronic Products									
Activity #	Activity Description	Unit	Provide Price Per Tiered Group			Total Units	Agreed Upon Cost (\$)/Unit	Total Agreed Upon Cost (\$)	
			Unit Base (\$)	Cost	Unit Cost (\$)				Unit Cost (\$)
28	Roadway information that shall be collected and provided to the Participant at a minimum includes items a. through i. in Exhibit B	Lane Mile ¹			\$18.00	\$18.00	\$18.00	0	
29	Collect digital images at 25-foot intervals of the road surface condition and link to a geodatabase (minimum forward facing imagery).	Lane Mile ¹			\$6.00	\$6.00	\$6.00	0	
30	Load assessment data for all Participant-maintained pavements into a pavement management system required by local government Participant(s), if applicable. (Example: MicroPaver). The assessment data shall include visual observations, photographs and measurements collected by instrumentation. Cost includes base cost plus lane mile unit cost.	Each Participant	\$5,000.00		\$8.00	\$6.00	\$4.00	0	
31	Implement map module so that pavement condition and other data can be integrated, displayed, and accessed through the map interface in a format consistent with the Participant's horizontal and vertical control network system, if applicable. Cost includes base cost plus lane mile unit cost.	Each Participant	\$4,500.00		\$10.00	\$10.00	\$10.00	0	
32	Provide to the Participant the pavement condition data in a pavement management system database approved by Participant. Coordinate with the Participant's IT department to provide pavement condition data in a format compatible with the Participant's Environmental Systems Research Institute (ESRI) GIS database, if applicable. Cost includes base cost plus lane mile unit cost.	Each Participant	\$3,000.00		\$8.00	\$6.00	\$4.00	0	
33	Provide asset management tools or systems (not just collection) (i.e., 15-year plan about how to fix or repair assets). Cost includes base cost plus lane mile unit cost.	Each Participant	no bid		no bid	no bid	no bid	0	
Service Category #5: Pavement Structural Analysis									
Activity #	Activity Description	Unit	Provide Price Per Tiered Group			Total Units	Agreed Upon Cost (\$)/Unit	Total Agreed Upon Cost (\$)	
			Unit Base (\$)	Cost	Unit Cost (\$)				Unit Cost (\$)
34	Collect and analyze pavement structural condition information through the use of a falling weight deflectometer in accordance with industry standards on designated participant-owned roadways.	**						0	
35	Collect and analyze pavement structural condition information through the use of Ground Penetrating Radar (GPR) in accordance with industry standards on designated participant-owned roadways.	**						0	
36	Collect and analyze pavement structural condition information through the use of pavement cores in accordance with industry standards on designated participant-owned roadways (traffic control included) ²	**						0	
Service Category #6: GIS Related Services									
Activity #	Activity Description	Unit	Provide Price Per Tiered Group			Total Units	Agreed Upon Cost (\$)/Unit	Total Agreed Upon Cost (\$)	
			Unit Base (\$)	Cost	Unit Cost (\$)				Unit Cost (\$)
37	GIS Clean-Up Services	Each Participant	\$14,000.00					0	
38	GIS Support Services	Each Participant	\$14,000.00					0	
39	GIS Remote Training Sessions from IMS GIS Manager/ Expert (2-Hour Sessions)	Each Participant	\$8,000.00					0	
Service Category #7: Value Added Services									
Activity #	Activity Description	Unit	Provide Price Per Tiered Group			Total Units	Agreed Upon Cost (\$)/Unit	Total Agreed Upon Cost (\$)	
			Unit Base (\$)	Cost	Unit Cost (\$)				Unit Cost (\$)
40	Full Written Final Report- Firm shall prepare and submit a written project report summarizing the work performed, dates of collection, methodology, and results.	Each Participant	\$20,000.00					0	
41	Project Presentation- Firm shall prepare and present a written project report summarizing the work performed, dates of collection, methodology, and results to the Participant's legislative body.	Each Participant	\$28,000.00					0	
42	Provide Curb Ramp and ADA/Barrier Free Ramp Compliance Survey	Each Participant	\$50.00					0	
43	Stand-alone field operation for collection of asset inventory only, with different levels of position accuracy and abilities to use data for attribute registration and conditions. Cost includes base cost plus lane mile unit cost. a. Photogrammetry b. Mobile Lidar	Lane Mile ¹	\$2,300.00		\$100.00	\$100.00	\$100.00	0	
44	Generic asset types, allowing for any item within line of sight of the collection vehicle. Asset types include items a. through d. in Exhibit B. Cost includes base cost plus lane mile unit cost.	Lane Mile ¹	\$1,150.00		\$34.50	\$34.50	\$34.50	0	
45	Provide consultancy services to develop linework in GIS for missing sidewalks in order to quantify and identify on a map	Hour	\$200.00					0	
TOTAL								0	

¹ Lane mile is to be defined as a mile traveled as

1. A single pass on alleyways
2. A centered single pass on residential streets
3. Includes the outside lane in each direction for collectors and arterials (2 total).

²Spacing for pavement cores to be negotiated with each participant.

** The awarded Contractor(s) shall provide all necessary field inspectors, vehicles, tools, equipment, traffic control and other services required to perform this work. No engineering services are available under this contract. Any activities that Participant and/or Contractor deem to require the service(s) of an engineer must be procured separately and are the sole responsibility of that party."

APPENDIX A.2
Service Area Designation Forms

RFP 2022-063	Texas Service Area Designation or Identification		
Proposer Name:	Applied Research Associates, Inc.		
Notes:	Indicate in the appropriate box whether you are proposing to service the entire State of Texas		
	Will service the entire State of Texas	Will not service the entire State of Texas	
	X		
	If you are not proposing to service the entire State of Texas, designate on the form below the regions that you are proposing to provide goods and/or services to. By designating a region or regions, you are certifying that you are willing and able to provide the proposed goods and services.		
Item	Region	Metropolitan Statistical Areas	Designated Service Area
1.	North Central Texas	16 counties in the Dallas-Fort Worth Metropolitan area	ALL
2.	High Plains	Amarillo Lubbock	ALL
3.	Northwest	Abilene Wichita Falls	ALL
4.	Upper East	Longview Texarkana, TX-AR Metro Area Tyler	ALL
5.	Southeast	Beaumont-Port Arthur	ALL
6.	Gulf Coast	Houston-The Woodlands- Sugar Land	ALL
7.	Central Texas	College Station-Bryan Killeen-Temple Waco	ALL
8.	Capital Texas	Austin-Round Rock	ALL
9.	Alamo	San Antonio-New Braunfels Victoria	ALL
10.	South Texas	Brownsville-Harlingen Corpus Christi Laredo McAllen-Edinburg-Mission	ALL
11.	West Texas	Midland Odessa San Angelo	ALL
12.	Upper Rio Grande	El Paso	ALL

Nationwide Service Area Designation or Identification Form

Proposer Name:	Applied Research Associates, Inc.			
Notes:	Indicate in the appropriate box whether you are proposing to provide service to all Fifty (50) States.			
	Will service all Fifty (50) States		Will not service Fifty (50) States	
	X			
	<p>If you are not proposing to service to all Fifty (50) States, then designate on the form below the States that you will provide service to. By designating a State or States, you are certifying that you are willing and able to provide the proposed goods and services in those States.</p> <p>If you are only proposing to service a specific region, metropolitan statistical area (MSA), or city in a State, then indicate as such in the appropriate column box.</p>			
Item	State	Region/MSA/City	Designated as a Service Area	
1.	Alabama	ALL		
2.	Alaska	ALL		
3.	Arizona	ALL		
4.	Arkansas	ALL		
5.	California	ALL		
6.	Colorado	ALL		
7.	Connecticut	ALL		
8.	Delaware	ALL		
9.	Florida	ALL		
10.	Georgia	ALL		
11.	Hawaii	ALL		
12.	Idaho	ALL		
13.	Illinois	ALL		
14.	Indiana	ALL		
15.	Iowa	ALL		
16.	Kansas	ALL		
17.	Kentucky	ALL		
18.	Louisiana	ALL		
19.	Maine	ALL		
20.	Maryland	ALL		

21.	Massachusetts	ALL	
22.	Michigan	ALL	
23.	Minnesota	ALL	
24.	Mississippi	ALL	
25.	Missouri	ALL	
26.	Montana	ALL	
27.	Nebraska	ALL	
28.	Nevada	ALL	
29.	New Hampshire	ALL	
30.	New Jersey	ALL	
31.	New Mexico	ALL	
32.	New York	ALL	
33.	North Carolina	ALL	
34.	North Dakota	ALL	
35.	Ohio	ALL	
36.	Oregon	ALL	
37.	Oklahoma	ALL	
38.	Pennsylvania	ALL	
39.	Rhode Island	ALL	
40.	South Carolina	ALL	
41.	South Dakota	ALL	
42.	Tennessee	ALL	
43.	Texas	ALL	
44.	Utah	ALL	
45.	Vermont	ALL	
46.	Virginia	ALL	
47.	Washington	ALL	
48.	West Virginia	ALL	
49.	Wisconsin	ALL	
50.	Wyoming	ALL	

**APPENDIX B
DEBARMENT CERTIFICATION**

Kimberly L. Foskey being duly
(Name of certifying official)

sworn or under penalty of perjury under the laws of the United States, certifies that neither

Applied Research Associate, Inc., nor its principals
(Name of lower tier participant)

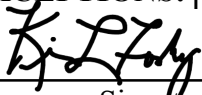
are presently:

- debarred, suspended, proposed for debarment,
- declared ineligible,
- or voluntarily excluded from participation in this transaction by any federal department or agency

Where the above identified lower tier participant is unable to certify to any of the above statements in this certification, such prospective participant shall indicate below to whom the exception applies, the initiating agency, and dates of action.

Exceptions will not necessarily result in denial of award but will be considered in determining contractor responsibility. Providing false information may result in criminal prosecution or administrative sanctions.

EXCEPTIONS: None



Signature of Certifying Official

Kimberly L. Foskey, Deputy Director of Contracts and Procurement

Title

05/26/2023

Date of Certification

Form 1734
Rev.10-91
TPFS

APPENDIX C RESTRICTIONS ON LOBBYING

Section 319 of Public Law 101-121 prohibits recipients of federal contracts, grants, and loans exceeding \$100,000 at any tier under a federal contract from using appropriated funds for lobbying the Executive or Legislative Branches of the federal government in connection with a specific contract, grant, or loan. Section 319 also requires each person who requests or receives a federal contract or grant in excess of \$100,000 to disclose lobbying.

No appropriated funds may be expended by the recipient of a federal contract, loan, or cooperative agreement to pay any person for influencing or attempting to influence an officer or employee of any federal executive department or agency as well as any independent regulatory commission or government corporation, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with any of the following covered federal actions: 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.

As a recipient of a federal grant exceeding \$100,000, NCTCOG requires its subcontractors of that grant to file a certification, set forth in Appendix B.1, that neither the agency nor its employees have made, or will make, any payment prohibited by the preceding paragraph.

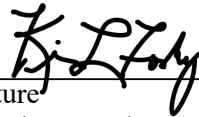
Subcontractors are also required to file with NCTCOG a disclosure form, set forth in Appendix B.2, if the subcontractor or its employees have made or have agreed to make any payment using nonappropriated funds (to include profits from any federal action), which would be prohibited if paid for with appropriated funds.

**LOBBYING CERTIFICATION
FOR CONTRACTS, GRANTS, LOANS, AND COOPERATIVE AGREEMENTS**

The undersigned certifies 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 undersigned, to any person for influencing or attempting to influence an officer or employee of any federal 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.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

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, US 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.



Signature
Kimberly L. Foskey
Deputy Director of Contracts and Procurement

Title

Applied Research Associates, Inc.

Agency

05/26/2023

Date

AT PENDIX D

ATTESTATION OF CONTRACTS NULLIFYING ACTIVITY

The following provisions are mandated by Federal and/or State of Texas law. Failure to certify to the following will result in disqualification of consideration for contract. Entities or agencies that are not able to comply with the following will be ineligible for consideration of contract award.

PROHIBITED TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT CERTIFICATION

This Contract is subject to the Public Law 115-232, Section 889, and 2 Code of Federal Regulations (CFR) Part 200, including §200.216 and §200.471, for prohibition on certain telecommunications and video surveillance or equipment.

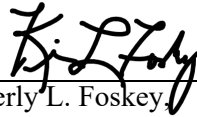
Public Law 115-232, Section 889, identifies that restricted telecommunications and video surveillance equipment or services (e.g. phones, internet, video surveillance, cloud servers) include the following:

- A) Telecommunications equipment that is produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliates of such entities).
- B) Video surveillance and telecommunications equipment produced by Hytera Communications Corporations, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliates of such entities).
- C) Telecommunications or video surveillance services used by such entities or using such equipment.
- D) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, Director of the National Intelligence, or the Director of the Federal Bureau of Investigation reasonably believes to be an entity owned or controlled by the government of a covered foreign country.

The entity identified below, through its authorized representative, hereby certifies that no funds under this Contract will be obligated or expended to procure or obtain telecommunication or video surveillance services or equipment or systems that use covered telecommunications equipment or services as a substantial or essential component of any system, or as a critical technology as part of any system prohibited by 2 CFR §200.216 and §200.471, or applicable provisions in Public Law 115-232 Section 889.

The Contractor or Subrecipient hereby certifies that it does comply with the requirements of 2 CFR §200.216 and §200.471, or applicable regulations in Public Law 115-232 Section 889.

SIGNATURE OF AUTHORIZED PERSON:



NAME OF AUTHORIZED PERSON:

Kimberly L. Foskey,
Deputy Director of Contracts and Procurement

NAME OF COMPANY:

Applied Research Associates, Inc.

DATE:

05/26/2023

-OR-

The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of 2 CFR §200.216 and §200.471, or applicable regulations in Public Law 115-232 Section 889.

SIGNATURE OF AUTHORIZED PERSON:

NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

DATE:

DISCRIMINATION AGAINST FIREARMS ENTITIES OR FIREARMS TRADE ASSOCIATIONS

This contract is subject to the Texas Local Government Code chapter 2274, Subtitle F, Title 10, prohibiting contracts with companies who discriminate against firearm and ammunition industries.

TLGC chapter 2274, Subtitle F, Title 10, identifies that “discrimination against a firearm entity or firearm trade association” includes the following:

- A) means, with respect to the entity or association, to:
 - I. refuse to engage in the trade of any goods or services with the entity or association based solely on its status as a firearm entity or firearm trade association; and
 - II. refrain from continuing an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association; or
 - III. terminate an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association.

- B) An exception to this provision excludes the following:
 - I. contracts with a sole-source provider; or
 - II. the government entity does not receive bids from companies who can provide written verification.

The entity identified below, through its authorized representative, hereby certifies that they have no practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and that they will not discriminate during the term of the contract against a firearm entity or firearm trade association as prohibited by Chapter 2274, Subtitle F, Title 10 of the Texas Local Government Code.

The Contractor or Subrecipient hereby certifies that it does comply with the requirements of Chapter 2274, Subtitle F, Title 10.

SIGNATURE OF AUTHORIZED PERSON:



NAME OF AUTHORIZED PERSON:

Kimberly L. Foskey
Deputy Director of Contracts and Procurement

NAME OF COMPANY:

Applied Research Associates, Inc.

DATE:

05/26/2023

-OR-

The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of Chapter 2274, Subtitle F, Title 10.

SIGNATURE OF AUTHORIZED PERSON:

NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

DATE:

BOYCOTTING OF CERTAIN ENERGY COMPANIES

This contract is subject to the Texas Local Government Code chapter 809, Subtitle A, Title 8, prohibiting contracts with companies who boycott certain energy companies.

TLGC chapter Code chapter 809, Subtitle A, Title 8, identifies that “boycott energy company” means, without an ordinary business purpose, refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations with a company because the company:

- I. engages in the exploration, production, utilization, transportation, sale, or manufacturing of fossil fuel-based energy and does not commit or pledge to meet environmental standards beyond applicable federal and state law; and
- II. does business with a company described by paragraph (I).

The entity identified below, through its authorized representative, hereby certifies that they do not boycott energy companies, and that they will not boycott energy companies during the term of the contract as prohibited by Chapter 809, Subtitle A, Title 8 of the Texas Local Government Code.

The Contractor or Subrecipient hereby certifies that it does comply with the requirements of Chapter 809, Subtitle A, Title 8.

SIGNATURE OF AUTHORIZED PERSON:



NAME OF AUTHORIZED PERSON:

Kimberly L. Foskey
Deputy Director of Contracts and Procurement

NAME OF COMPANY:

Applied Research Associates, Inc.

DATE:

05/26/2023

-OR-

The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of Chapter 809, Subtitle A, Title 8.

SIGNATURE OF AUTHORIZED PERSON:

NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

DATE: