

TXShare

Your Public Sector Solutions Center

MASTER SERVICES AGREEMENT #2025-018 Artificial Intelligence (AI) Solutions for Public Sector Entities

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

Binoloop Inc. ("Contractor")
6530 Hickory Ridge RD
Spotsylvania, Virginia 22551

ARTICLE I RETENTION OF THE CONTRACTOR

- 1.1 This Agreement defines the terms and conditions upon which the Contractor agrees to provide **Artificial Intelligence (AI) Solutions for Public Sector Entities** (hereinafter, "Services") to governmental entities participating in the TXShare 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 #2025-018 (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 Percentage discounts for items in Appendix A represent the minimum discounts provided for each category offered by the Contractor. Contractor and Participating Entity may mutually agree to a greater percentage discount 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 TXShare 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 #2025-018.
- 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 31, 2027 (the “**Term**”), unless earlier terminated as provided herein. This Agreement will automatically be renewed, unless NCTCOG explicitly desires otherwise, for up to three (3) additional one (1) year terms through May 31, 2030.
- 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 Convenience: Either party may terminate the agreement for its convenience in whole or in part at any time without cause, upon 30 days written notice. Upon termination for convenience, the contractor will be entitled to payment for goods or services satisfactorily performed or delivered.
- 3.2.2 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.
- 3.2.3 Termination for 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 TXShare cooperative purchasing program. NCTCOG has contracted Civic Marketplace as a digital marketplace for selected TXShare awarded contracts and to serve as NCTCOG's collector of reports and remunerative fees referenced in Section 5.2 of the Master Services Agreement. Unless otherwise directed in writing by NCTCOG, Contractor shall submit to Civic Marketplace on a calendar quarterly basis a report that identifies any new client Participating Entities, the date(s) and order number(s), and the total contracted value of service(s) that each Participating Entity has purchased and paid in full under this Master Service Agreement. Reporting and invoices should be submitted to:

Civic Marketplace, Inc.
6502 Glen Abbey
Abilene, TX 79606
Email: support@civicmarketplace.com

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 Civic Marketplace on a quarterly basis, along with required quarterly reporting. The remuneration fee for this program will be 2.5% 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.

ARTICLE VII 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: Purchasing Agent Phone Number: 817-704-5674 elittrell@nctcog.org
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If to Contractor:

Binoloop Inc.

Attn: Purvaja Soochit
6530 Hickory Ridge Road
Spotsylvania, VA 22551
587-998-3052
info@binoloop.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.** CONTRACTOR agrees to comply with all applicable provisions of 2 CFR §200.450. CONTRACTOR shall include a statement of compliance with the Lobbying Certification and Disclosure of Lobbying Activities in procurement solicitations exceeding \$100,000. Lobbying Certification and Disclosure of Lobbying Activities shall be completed by subcontractors and included in subcontractor contracts, as applicable. 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. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. See Appendix C.
- 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).
- l. 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.).

10.14 Ineligibility 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.

10.22 **Domestic Preference for Procurements**

As appropriate and to the extent consistent with law, the CONTRACTOR should, to the greatest extent practicable, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). Consistent with §200.322, the following items shall be defined as: “Produced in the United States” means, for iron and steel products, that all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States. “Manufactured products” means items and construction materials composed in whole or in part of non-ferrous metals such as aluminum; plastics and polymer-based products such as polyvinyl chloride pipe; aggregates such as concrete; glass, including optical fiber; and lumber.

10.23 **Trafficking in Persons**

Contractor agrees to comply with all applicable provisions of 2 CFR §175.15. NCTCOG, the Contractor, and its subcontractors are prohibited from (i) engaging in severe forms of trafficking in persons during the period of time that the award is in effect; (ii) procure a commercial sex act during the period of time that the award is in effect; (iii) use forced labor in the performance of the award or subawards under the award. The Federal award agency may unilaterally terminate the award, without penalty, if the Contractor (i) is determined to have violated an applicable prohibition; (ii) has an employee who is determined by the agency officially authorized to terminate the award to have violated an applicable prohibition of this award term. NCTCOG must notify the Federal award agency immediately if any information received from the Contractor indicates a violation of the applicable prohibitions.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the Effective Date.

Binoloop Inc.



Signature

April 28, 2025

Date

Purvaja Soochit

Printed Name

CEO

Title

North Central Texas Council of Governments

Signed by:

A4E72C1BEF0F426...

Signature

Michael Eastland
Executive Director

5/7/2025

Date

APPENDIX A

Statement of Work

The Contractor agrees to provide AI Solutions in accordance with the scope of work outlined in Request for Proposal (RFP) No. 2025-018, and as further detailed in the Contractor's technical response, which is incorporated herein and made a part of this Statement of Work.

1. The Contractor shall be responsible for the design, development, deployment, and ongoing support of customized Artificial Intelligence (AI) solutions. These solutions must:
 - a. Address and solve specified operational and strategic challenges.
 - b. Integrate seamlessly with existing agency systems and databases.
 - c. Be intuitive, user-friendly, and accessible to a broad range of stakeholders.
 - d. Include end-user training, system documentation, and ongoing support for staff.
 - e. Provide ongoing maintenance, upgrades, and compliance assurance with applicable data security and privacy standards.
 - f. Ensure data security and privacy compliance in alignment with state and federal regulations.
2. Technical Requirements

The Contractor shall ensure that all AI solutions meet the following technical specifications:

 - a. Scalability: Must support growth in both data volume and user interaction without degradation of performance.
 - b. System Integration: Solutions must integrate with existing platforms.
 - c. Security frameworks: MDM, IAM, SIEM, and related infrastructure
 - d. Real-Time Analytics: Must provide real-time data analysis and reporting.
 - e. Data Security & Privacy Compliance: Adherence to standards such as GDPR, HIPAA, and CCPA are required.
 - f. Natural Language Processing (NLP): Advanced NLP capabilities must be embedded to support diverse and accurate user interactions.
 - g. Accuracy & Validation: Contractor must demonstrate and maintain a high level of system accuracy and describe methods for validation and quality assurance.
 - h. Algorithm Transparency: Solutions must include clear documentation of AI algorithms, approaches to mitigating bias, validation processes, and explainability.
 - i. Continuous Improvement: Solutions must include features for ongoing learning, with mechanisms to incorporate feedback and improve performance over time.
 - j. Interoperability: AI systems must comply with open standards and be capable of integrating with current and future digital infrastructure.
 - k. Quality Control: Contractor shall maintain rigorous quality control protocols to ensure consistent and reliable system performance.
3. Data Governance

The Contractor must implement the following data governance practices:

 - a. Data Integrity and Accuracy: Ensure reliable data quality through lifecycle validation checks and automated error correction.
 - b. Data Privacy Compliance: Adhere to all relevant privacy laws. Implement data anonymization and pseudonymization as needed and obtain/document user consent for data collection and use.
 - c. Access Controls: Implement role-based access controls and multi-factor authentication (MFA) for all sensitive data access.
 - d. Data Retention and Disposal: Define and adhere to policies for secure data retention and disposal.
 - e. Data Auditing and Monitoring: Regular auditing must be conducted, and access/modification logs must be maintained and made available upon request.
4. Cybersecurity Requirements

The Contractor shall maintain strong cybersecurity practices throughout the contract period:

 - a. Threat Detection & Response: Deploy AI-based threat detection tools. Define incident response plans and test them regularly.
 - b. Encryption: Utilize end-to-end encryption (AES-256, RSA-2048, etc.) for both data in transit and at rest.

- c. Vulnerability Management: Perform regular security assessments and penetration testing. Patch vulnerabilities promptly.
- d. Security Governance Framework: Establish and follow a documented governance model with defined policies, controls, and responsibilities.
- e. Risk Management: Identify risks, establish mitigation strategies, maintain a disaster recovery plan, and conduct root-cause analysis following incidents.
- f. Training & Awareness: Provide regular cybersecurity training to all relevant agency staff. Training must address both technical procedures and general awareness.



4. Technical Proposal

Binoloop Inc. approaches the technical requirements of RFP #2025-018 with precision and innovation. Our Technical Proposal outlines a structured and comprehensive approach using state-of-the-art methodologies, advanced tools, and strategies to deliver transformative results. Below, we elaborate on our commitment to meeting the deliverables, our technical strategies, and our rigorous adherence to compliance standards.

a. Project Deliverables

Binoloop Inc. is dedicated to implementing actionable solutions for each deliverable outlined in Section 5.1. Our approach ensures efficiency, innovation, and measurable outcomes across all areas of focus:

Administration:

1. AI-Driven Workflow Automation:

- Design intelligent systems capable of automating multi-step decision-making processes, significantly reducing manual effort.
- Create governance tools that integrate data analytics, enabling real-time monitoring and proactive adjustments to policies and workflows.

2. Predictive Analytics Deployment:

- Develop advanced forecasting models to provide decision-makers with actionable insights, improving the accuracy and reliability of governance decisions.
- Deploy visualization dashboards with customizable metrics for easy tracking of policy impact and performance outcomes.

Development Services:

1. Permit Application Streamlining:

- Utilize AI-powered document recognition and task prioritization tools to automate permit applications, reducing review times by up to 80%.
- Integrate a workflow system that dynamically adjusts schedules for inspections based on priority and resource availability.

2. Real-Time Stakeholder Engagement:

- Implement platforms that offer real-time updates to applicants and stakeholders, enhancing transparency and satisfaction.
- Leverage AI-driven chatbots to provide instant responses to queries and guide users through complex processes.



Finance and Budget:

1. Precision Financial Forecasting:

- Apply machine learning algorithms to analyze historical data and predict future financial trends, enabling more accurate budget planning.
- Introduce anomaly detection tools to identify discrepancies and prevent misallocation of resources.

2. Compliance Monitoring Systems:

- Deploy systems that continuously monitor financial transactions for adherence to regulatory requirements.
- Provide automated reporting tools that flag and document compliance issues in real-time.

Human Resources:

1. Automated Recruitment Solutions:

- Develop AI-powered tools to assess and rank candidates based on predefined criteria, reducing recruitment timelines.
- Introduce automated onboarding workflows to streamline new employee integration processes.

2. Engagement Analytics:

- Utilize sentiment analysis to assess employee satisfaction and identify areas for improvement.
- Generate predictive insights to reduce turnover rates and enhance workforce retention strategies.

IT and Cybersecurity:

1. AI-Enhanced Threat Detection:

- Deploy predictive analytics tools to identify potential cybersecurity threats before they materialize, minimizing risks.
- Utilize adaptive algorithms that evolve with emerging threat patterns, ensuring sustained protection.

2. Operational Automation:

- Implement self-healing systems capable of autonomously diagnosing and resolving technical issues, reducing downtime.
- Integrate automated reporting mechanisms for continuous system performance monitoring.

By integrating tailored, innovative, and scalable solutions, Binoloop Inc. ensures that NCTCOG achieves its operational objectives efficiently while fostering long-term technological adaptability.

b. Technical Approach

Design and Development:

1. Agile Development Framework:



- Employ a step-by-step iterative approach that incorporates continuous feedback to refine and improve deliverables.
- Include sprint reviews and retrospectives to adapt to evolving project requirements and ensure alignment with stakeholder expectations.

2. Scalable Modular Systems:

- Design system architectures that allow incremental updates without disrupting core functionalities.
- Incorporate redundancy and failover mechanisms to ensure uninterrupted operations.

3. Rapid Prototyping:

- Develop minimum viable products (MVPs) early in the project lifecycle to validate functionality and gather end-user feedback.
- Use iterative refinements to ensure final deliverables meet quality and usability standards.

Integration with Existing Systems:

1. Comprehensive Analysis and Planning:

- Conduct detailed audits of existing systems to identify integration points, assess compatibility, and outline technical requirements.
- Develop integration plans that minimize downtime and prioritize critical functions.

2. API-Based Interoperability:

- Utilize secure, scalable API solutions that adhere to industry standards like REST and SOAP for seamless data exchange.
- Build middleware solutions where necessary to bridge compatibility gaps between legacy and modern systems.

3. Compatibility with Existing Platforms:

- Ensure integration with widely used platforms such as Oracle, SAP, and Microsoft to streamline workflows.
- Test integration processes in simulated environments to identify and resolve potential issues before deployment.

User-Friendliness:

1. Inclusive Design Principles:

- Develop interfaces that prioritize accessibility, ensuring compliance with WCAG standards for usability by individuals with disabilities.
- Use intuitive navigation structures and clear visual hierarchies to enhance user experience.

2. Customizable Dashboards:

- Provide users with the ability to personalize dashboard layouts, prioritize key metrics, and set alerts for critical updates.
- Incorporate drag-and-drop functionality and simplified reporting tools to improve ease of use.



3. Training and Support:

- Offer comprehensive training programs, including interactive sessions and on-demand resources, to empower users.
- Provide 24/7 technical support during the initial deployment phase to address any user concerns or technical issues.

By incorporating cutting-edge design principles, ensuring robust integration, and prioritizing user-centric solutions, Binoloop Inc. positions itself to exceed expectations. Our technical approach is engineered for adaptability, reliability, and compliance.

Implementation Plan

Binoloop Inc. adopts a structured and systematic approach to implementing the AI solutions proposed in this RFP. Our methodology ensures a seamless integration with existing systems while delivering measurable results within the defined timeline. The following implementation plan outlines each phase, its key activities, deliverables, and milestones, ensuring alignment with NCTCOG's operational goals.

Phase 1: Initiation and Planning (Weeks 1-4)

1. Kickoff Meeting:

- **Objective:** Establish project goals, timelines, and communication protocols.
- **Activities:**
 - Introduce the Binoloop Inc. team to NCTCOG stakeholders.
 - Confirm deliverables and clarify project expectations.
 - Establish reporting cadence and decision-making structures.
- **Deliverable:** Project charter signed by all stakeholders.

2. Requirement Gathering and Analysis:

- **Objective:** Identify detailed functional, technical, and operational requirements.
- **Activities:**
 - Conduct workshops and interviews with key NCTCOG staff.
 - Analyze existing workflows, pain points, and system dependencies.
 - Document and prioritize requirements for AI solutions.
- **Deliverable:** Comprehensive requirements specification document.

3. Risk Assessment:

- **Objective:** Identify potential risks and develop mitigation strategies.
- **Activities:**
 - Conduct risk assessment sessions with project teams.
 - Develop a risk matrix and contingency plans.
- **Deliverable:** Risk management plan.

Phase 2: Design and Development (Weeks 5-12)

1. Solution Architecture Design:

- **Objective:** Develop a blueprint for the AI solution's architecture and integration.
- **Activities:**
 - Design system workflows, data pipelines, and integration points.
 - Validate design with stakeholders through iterative feedback loops.
- **Deliverable:** Approved solution architecture and technical design document.

2. AI Model Development:

- **Objective:** Train machine learning models tailored to NCTCOG's datasets.
- **Activities:**
 - Preprocess and label training data for supervised learning tasks.
 - Train, validate, and refine AI models to meet accuracy benchmarks.
- **Deliverable:** Validated AI models ready for integration.

3. Prototype Development:

- **Objective:** Demonstrate proof-of-concept functionality for critical features.
- **Activities:**
 - Develop a prototype showcasing key AI capabilities.
 - Conduct stakeholder reviews to refine features.
- **Deliverable:** Approved prototype for further development.

Phase 3: Integration and Testing (Weeks 13-18)

1. System Integration:

- **Objective:** Seamlessly integrate AI solutions with NCTCOG's existing systems.
- **Activities:**
 - Develop and deploy APIs to connect new and legacy systems.
 - Conduct integration tests to ensure data integrity and compatibility.
- **Deliverable:** Fully integrated system ready for testing.

2. System Testing:

- **Objective:** Validate functionality, performance, and reliability.
- **Activities:**
 - Conduct unit, integration, and user acceptance testing (UAT).
 - Identify and resolve bugs or issues.
- **Deliverable:** Testing report with resolved issues and stakeholder sign-off.

Phase 4: Deployment and Training (Weeks 19-24)

1. System Deployment:

- **Objective:** Roll out the AI solution in a phased manner to minimize disruptions.
- **Activities:**
 - Deploy the solution to production environments.



- Monitor initial operations to ensure stability.
 - **Deliverable:** Fully deployed and operational AI system.
- 2. **End-User Training:**
 - **Objective:** Equip staff with the knowledge and skills to utilize the AI solutions effectively.
 - **Activities:**
 - Conduct hands-on training workshops and virtual sessions.
 - Provide user manuals, FAQs, and video tutorials for ongoing support.
 - **Deliverable:** Training completion report and user satisfaction feedback.

Phase 5: Post-Implementation Support and Optimization (Weeks 25-28)

1. **Hypercare Support:**
 - **Objective:** Ensure a smooth transition to full operational capacity.
 - **Activities:**
 - Provide on-site and remote technical support for the first four weeks.
 - Address any post-deployment issues promptly.
 - **Deliverable:** Hypercare closure report summarizing resolved issues.
2. **Continuous Improvement:**
 - **Objective:** Optimize AI models and workflows based on user feedback and performance data.
 - **Activities:**
 - Conduct regular performance reviews and refine AI algorithms.
 - Implement enhancements to improve usability and efficiency.
 - **Deliverable:** Final project report with recommendations for future updates.

By adhering to this phased implementation plan, Binoloop Inc. ensures the successful delivery of AI solutions tailored to NCTCOG's unique needs. Our detailed approach minimizes risks, accelerates adoption, and guarantees measurable improvements across all operational areas.

c. Performance Metrics

Measuring success and performance is integral to ensuring the effectiveness of Binoloop Inc.'s solutions. Our performance metrics framework is designed to provide comprehensive, real-time insights, track progress against objectives, and drive continuous improvement through advanced methodologies. Below, we detail the Key Performance Indicators (KPIs), measurement approaches, and methodologies for ensuring accuracy, reliability, and enhancement of the AI solutions.

Key Performance Indicators (KPIs):

1. **Efficiency Metrics:**
 - **Processing Time Reduction:**

- Target: Achieve an 80-90% reduction in workflow processing times (e.g., permits processed within 24 hours).
 - Approach: Implement AI algorithms to automate repetitive tasks and streamline workflows across deliverables.
 - **Task Automation Rate:**
 - Measure: The percentage of manual tasks automated by AI systems.
 - Target: Achieve a minimum of 85% automation across deliverables.
- 2. **Accuracy Metrics:**
 - **Error Reduction:**
 - Measure: The discrepancy rate in automated processes compared to manual benchmarks.
 - Target: Achieve a 95% reduction in errors related to data entry, processing, and decision-making.
 - **Prediction Accuracy:**
 - Target: Attain 90% or higher forecasting accuracy in financial, administrative, and operational analytics.
 - Approach: Leverage adaptive machine learning models trained on historical and real-time datasets.
- 3. **Adoption Metrics:**
 - **User Engagement:**
 - Measure: The number of active users, session durations, and frequency of tool interactions.
 - Target: Achieve a user adoption rate of at least 90% within six months of deployment.
 - **Training Completion:**
 - Measure: The percentage of end-users completing training programs successfully.
 - Target: Ensure a 95% completion rate for all training modules.
- 4. **Outcome Metrics:**
 - **Cost Savings:**
 - Measure: Quantifiable reductions in operational and administrative costs.
 - Target: Achieve a minimum 20% cost reduction within the first year of implementation.
 - **Customer Satisfaction:**
 - Measure: Satisfaction ratings from end-users and stakeholders gathered via surveys.
 - Target: Attain a satisfaction score of 90% or higher, reflecting successful implementation and usability.

Approaches to Ensure Accuracy, Reliability, and Continuous Improvement:

- 1. **Accuracy Assurance:**
 - **High-Quality Datasets:**
 - Use verified and diverse data sources for model training to minimize bias and improve predictive reliability.



- **Real-Time Validation Protocols:**
 - Deploy automated validation processes to ensure continuous accuracy in data inputs and outputs.
- **Performance Audits:**
 - Conduct regular model audits to identify deviations and recalibrate algorithms as necessary.
- 2. **Reliability Strategies:**
 - **System Redundancy:**
 - Design failover systems to maintain 99.9% uptime and operational continuity during unexpected disruptions.
 - **Scheduled Maintenance:**
 - Implement routine system updates and patches to keep solutions functioning optimally.
 - **Proactive Monitoring:**
 - Utilize predictive maintenance algorithms to identify and resolve potential issues before they impact operations.
- 3. **Continuous Improvement:**
 - **Feedback-Driven Enhancements:**
 - Collect user feedback and analyze tool usage patterns to identify improvement opportunities.
 - **Agile Framework:**
 - Apply iterative development cycles to introduce incremental updates and refinements.
 - **Algorithm Evolution:**
 - Regularly retrain AI models on updated datasets to adapt to changing conditions and ensure long-term relevance.

By establishing precise KPIs, implementing robust accuracy and reliability measures, and fostering a proactive approach to continuous improvement, Binoloop Inc. ensures the long-term success and sustainability of the proposed AI solutions. These strategies are designed to deliver transformative results for the North Central Texas Council of Governments (NCTCOG), enabling measurable progress and enduring value.

d. Risk Management

Every AI solution implementation comes with potential risks, ranging from technological challenges to operational disruptions. Binoloop Inc. has developed a comprehensive risk management strategy to identify, address, and mitigate these risks proactively. Below, we outline potential risks associated with the proposed solution and the strategies we employ to mitigate them effectively.

1. Data Privacy and Security Risks

- **Potential Risks:**
 - Unauthorized access to sensitive data, leading to breaches or compliance violations.
 - Mishandling or improper storage of data, especially for sensitive public sector records.
- **Mitigation Strategies:**



- **Advanced Encryption Standards:** Employ AES-256 encryption for data storage and transmission.
- **Role-Based Access Controls (RBAC):** Limit system access based on user roles to minimize unauthorized access.
- **Regular Security Audits:** Conduct penetration testing and security assessments quarterly to identify and address vulnerabilities.
- **Compliance Assurance:** Adhere to GDPR, HIPAA, and NIST cybersecurity standards to ensure full legal compliance.

2. Integration Challenges with Legacy Systems

- **Potential Risks:**
 - Compatibility issues between new AI solutions and existing legacy systems.
 - Disruptions during integration causing temporary system downtimes.
- **Mitigation Strategies:**
 - **Comprehensive System Analysis:** Perform detailed audits of legacy systems to identify integration points and dependencies.
 - **API-Based Interoperability:** Utilize standardized API protocols (e.g., REST, SOAP) to facilitate seamless communication between systems.
 - **Phased Rollouts:** Implement incremental deployment to test compatibility and ensure minimal operational disruption.
 - **Dedicated Support Teams:** Assign specialized teams to oversee integration and provide on-demand support during the transition.

3. User Adoption and Training Gaps

- **Potential Risks:**
 - Low user adoption due to unfamiliarity with the new AI system.
 - Insufficient training leading to misuse or underutilization of the solution.
- **Mitigation Strategies:**
 - **Comprehensive Training Programs:** Offer interactive training sessions tailored to various user groups, supplemented with on-demand video tutorials and documentation.
 - **User-Centric Design:** Develop intuitive interfaces aligned with WCAG standards to ensure ease of use and accessibility for all users.
 - **Dedicated Helpdesk Support:** Provide 24/7 support during the initial adoption phase to address user concerns promptly.
 - **Feedback Mechanisms:** Regularly collect user feedback to refine features and improve system usability.

4. Operational Downtime Risks

- **Potential Risks:**
 - System outages during implementation or ongoing operations.
 - Delays in resolving technical issues, impacting service continuity.
- **Mitigation Strategies:**



- **Redundancy Systems:** Implement backup servers and failover mechanisms to ensure continuous system availability.
- **Proactive Monitoring:** Deploy real-time monitoring tools to identify and resolve issues before they escalate.
- **Service Level Agreements (SLAs):** Commit to 99.9% uptime with clearly defined response times for issue resolution.
- **Pre-Deployment Testing:** Conduct thorough testing in simulated environments to minimize disruptions during go-live.

5. AI Model Reliability and Accuracy Risks

- **Potential Risks:**
 - AI models producing inaccurate predictions or biased outcomes.
 - Difficulty in adapting models to new data or changing requirements.
- **Mitigation Strategies:**
 - **Model Validation and Audits:** Perform rigorous validation using diverse datasets to reduce bias and improve accuracy.
 - **Continuous Learning Systems:** Implement mechanisms for periodic retraining of AI models using updated datasets.
 - **Fallback Mechanisms:** Establish manual override options for critical decision points to ensure operational safety.
 - **Transparent AI:** Provide detailed documentation of AI decision-making processes to build user trust and accountability.

6. Regulatory Compliance Risks

- **Potential Risks:**
 - Non-compliance with data protection regulations or public sector standards.
 - Delays in addressing regulatory updates impacting solution operations.
- **Mitigation Strategies:**
 - **Compliance Monitoring Tools:** Implement automated tools to track and enforce adherence to regulatory requirements.
 - **Legal and Policy Review:** Conduct periodic reviews to align with evolving public sector compliance standards.
 - **Collaboration with Legal Experts:** Work closely with legal teams to ensure all aspects of the AI solution meet regulatory expectations.

Binoloop Inc.'s proactive risk management approach ensures that potential challenges are addressed with precision and foresight. By combining cutting-edge technology, robust mitigation strategies, and continuous monitoring, we provide a seamless, reliable, and secure AI implementation. Our commitment to risk management guarantees that the proposed solutions align with the highest standards of operational excellence and compliance.



e. Compliance and Standards

Binoloop Inc. is fully committed to adhering to all relevant regulations and standards governing AI solutions, data privacy, and public sector operations. Our solutions are designed with compliance as a core principle, ensuring alignment with regulations such as GDPR, HIPAA, and other jurisdiction-specific mandates. This section outlines our compliance strategy and the measures implemented to maintain regulatory adherence throughout the lifecycle of the solution.

Regulatory Adherence:

1. General Data Protection Regulation (GDPR):

- **Data Collection and Processing:** Ensure all data collection processes comply with GDPR's principles of transparency, purpose limitation, and data minimization.
- **User Rights Management:** Implement tools that enable users to exercise their GDPR rights, including access, rectification, and erasure of personal data.
- **Consent Management:** Deploy consent management systems to ensure lawful data processing with clear opt-in mechanisms for users.

2. Health Insurance Portability and Accountability Act (HIPAA):

- **Protected Health Information (PHI):** Safeguard PHI with encryption both in transit and at rest.
- **Access Controls:** Apply role-based access controls (RBAC) to restrict access to sensitive healthcare data.
- **Audit Trails:** Maintain detailed logs of all access and modifications to PHI to ensure accountability and traceability.

3. Federal and State Regulations:

- Adhere to specific public sector standards and procurement guidelines, including NIST Cybersecurity Framework requirements.
- Ensure compliance with state-specific data privacy laws such as the California Consumer Privacy Act (CCPA).

4. Accessibility Standards:

- Align all user-facing interfaces with WCAG 2.1 guidelines to ensure accessibility for users with disabilities.

Compliance Maintenance Measures:

1. Data Governance Framework:

- Establish a comprehensive data governance policy that defines procedures for data handling, storage, and disposal.
- Conduct regular reviews of data management practices to ensure ongoing compliance.

2. Regular Compliance Audits:

- Schedule periodic internal and third-party audits to evaluate adherence to relevant standards and identify areas for improvement.
- Document audit findings and implement corrective actions as needed.



3. **Security Protocols:**

- Employ end-to-end encryption for all sensitive data, utilizing AES-256 standards for robust protection.
- Utilize multi-factor authentication (MFA) for enhanced security during system access.
- Implement intrusion detection and prevention systems (IDPS) to monitor and respond to security threats in real time.

4. **Training and Awareness Programs:**

- Provide mandatory compliance training to all team members, ensuring they are well-versed in applicable regulations and standards.
- Offer specialized training for roles handling sensitive data, focusing on GDPR and HIPAA compliance requirements.

5. **Incident Response Plan:**

- Develop and maintain a detailed incident response plan to handle potential data breaches swiftly and effectively.
- Conduct regular drills and simulations to ensure preparedness for potential compliance-related incidents.

6. **Vendor and Third-Party Management:**

- Require all subcontractors and vendors to comply with the same stringent standards through contractual agreements.
- Conduct due diligence and continuous monitoring of third-party compliance practices.

Compliance Monitoring Tools:

1. **Automated Compliance Validation:**

- Integrate automated tools to monitor compliance with data protection laws and generate real-time reports.
- Use AI-powered anomaly detection to identify and address deviations from compliance standards promptly.

2. **Policy Updates and Notifications:**

- Implement systems to track regulatory changes and notify relevant stakeholders to update policies and procedures.
- Maintain a compliance dashboard to provide a real-time view of the organization's adherence status.

Binoloop Inc. ensures rigorous compliance with all applicable regulations and standards through proactive measures, advanced monitoring tools, and a strong commitment to data security and privacy. By embedding compliance into every stage of the solution lifecycle, we provide peace of mind to stakeholders while upholding the highest ethical and legal standards.

- Adherence to GDPR, HIPAA, and public sector regulations.



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- Adherence to GDPR, HIPAA, and public sector regulations.



6. Pricing Overview

Binoloop Inc. is committed to providing transparent and competitive pricing for our AI solutions tailored to the needs of public sector entities. Our pricing structure covers all essential components, including software licensing, implementation, training, ongoing maintenance, and optional add-ons. This comprehensive approach ensures value, scalability, and flexibility for participating entities.

A detailed breakdown of our pricing, including unit costs, discounts, and additional notes, is provided in Exhibit 1 - Pricing Proposal Worksheet. This exhibit outlines all cost components, allowing for a clear understanding of the financial considerations associated with our proposed solutions.

7. Value-Add Section

Binoloop Inc. goes beyond the core scope of this RFP to offer innovative approaches and additional features designed to maximize value and long-term impact for NCTCOG. These value-added elements showcase our commitment to exceeding expectations and delivering transformative solutions. While these features are optional and not included in the base proposal price, their implementation would incur additional costs based on the chosen enhancements.

1. Advanced Predictive Analytics Platform:

- **Feature:** Integration of a cutting-edge predictive analytics platform powered by machine learning.
- **Benefit:** Provides actionable insights for strategic decision-making, enabling agencies to forecast trends, assess risks, and optimize resources proactively.

2. AI-Powered Decision Support Tools:

- **Feature:** Deployment of intelligent decision support tools to assist in high-stakes policy planning and execution.
- **Benefit:** Enhances transparency and confidence in decision-making processes by offering real-time data visualization and scenario simulations.

3. Continuous Learning AI Systems:

- **Feature:** Implementation of adaptive AI models that improve over time by learning from user interactions and evolving data patterns.
- **Benefit:** Ensures the solution remains relevant, effective, and aligned with changing operational requirements without requiring extensive reprogramming.

4. Unified Data Governance Framework:

- **Feature:** Development of a centralized data governance system to streamline data management across departments.
- **Benefit:** Promotes consistency, reduces redundancy, and enhances compliance with regulatory requirements such as GDPR and HIPAA.

5. Dynamic Training Modules:

APPENDIX A.1

Pricing for TXShare Cooperative Purchase Program Participants

SL NO	Description	Add additional description if necessary:	% Discount	Notes/Comments
1	Software Licensing and Subscription Costs: Provide the cost breakdown for software licenses, subscriptions, or any other software-related fees.	Licenses are priced per user annually, covering all core AI solution features. Additional modules or features are available for separate licensing. Licenses can be scaled based on organizational growth	Bulk Discount: 15% for orders over 1,001 subscriptions. Long-Term Discount: 10% for a 3-year contract. 15% for a 5-year contract. Combined Total: 25% off for a 3-year commitment (bulk + 3-year discount). 30% off for a 5-year commitment (bulk + 5-year discount).	Licenses include all core AI features, compliance workflows, and reporting. Add-ons (e.g., advanced analytics) are priced separately.
2	Implementation and Customization Costs: Outline the costs related to the implementation of the AI solution, including setup, integration with existing systems, customization, and deployment.	This cost includes project planning, system setup, integration with existing infrastructure, custom feature development, deployment of the AI solution, and initial configuration. It also covers collaboration with stakeholders to ensure smooth implementation and testing to confirm system functionality	0	Covers basic setup, integration with existing systems, and deployment. Additional integrations are \$500/module. Custom feature development priced at \$200/hour.
3	Training and Support Costs: Include costs for training government staff, technical support, and customer service, both during and after implementation.	This cost includes comprehensive training sessions for government staff, both online and in-person, covering system usage, best practices, and troubleshooting. Ongoing support includes technical assistance, customer service availability during business hours, and access to a knowledge base or documentation	0	Training sessions (up to 20 participants/session) include system usage, troubleshooting, and best practices. On-site sessions: +\$1,000 travel fee. Premium extended training: \$4,000/session.
4	Ongoing Maintenance and Updates: Provide costs for ongoing software maintenance, updates, and any regular services required to keep the AI system running smoothly.	This cost covers routine software maintenance, including performance monitoring, regular updates for new features and security patches, and troubleshooting support. It also includes periodic system health checks, compatibility enhancements, and 24/7 technical support for critical issues.	Volume-Based Discount: 5% discount for booking 5-10 sessions. 10% discount for booking 11-20 sessions. 15% discount for booking 21+ sessions.	Includes software updates, security patches, 24/7 critical support, and system health checks. Tiered pricing for larger organizations: \$3,000 for 51–500 users; \$5,000 for 500+ users.
5	Optional Add-Ons or Features: List any additional features or services available that are not included in the core proposal but can be added at an additional cost.	Optional features include advanced analytics tools, integration with external data sources, additional user licenses, expanded cloud storage, AI-driven insights dashboards, and custom reporting capabilities. Enhanced security protocols, priority support packages, and additional training sessions are also available for purchase. These add-ons can be customised based on specific client requirements	0	Advanced analytics, integration APIs, custom dashboards, AI-driven insights, and priority support. Integration with external data sources: \$1,000/module.
6	Total Cost of Ownership (TCO): Summarize the Total Cost of Ownership (TCO), which includes all costs over a defined period (e.g., 3 years or 5 years). This should reflect software, implementation, support, maintenance, and optional add-ons.		Discounts applied for multi-year and volume commitments	For 3 Years: Licensing: $1,000 \times 3 \text{ years} = \$3,000$ Implementation: \$5,000 (one-time) Training: $2,000 \times 2 \text{ sessions} = \$4,000$ Maintenance: $1,500 \times 3 \text{ years} = \$4,500$ Total (3 Years): \$16,500 For 5 Years: Licensing: $1,000 \times 5 \text{ years} = \$5,000$ Implementation: \$5,000 (one-time) Training: $2,000 \times 2 \text{ sessions} = \$4,000$ Maintenance: $1,500 \times 5 \text{ years} = \$7,500$ Total (5 Years): \$21,500
7	Additional Costs (if applicable): List any additional costs not covered in the above sections that are relevant to the proposal, such as travel costs, setup fees, or other miscellaneous charges.		N/A	Additional costs may include travel expenses for on-site visits, setup fees for specialised configurations, expedited delivery charges, and miscellaneous expenses such as data transfer fees or licensing for third-party tools. These costs will be itemised and provided upon request based on the project's scope and requirements.

APPENDIX A.2
Service Area Designation Forms

EXHIBIT 3: SERVICE DESIGNATION AREAS

Texas Service Area Designation or Identification			
Proposing Firm Name:	Binoloop 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	
	<input checked="checked" type="checkbox"/>	<input type="checkbox"/>	
	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	
2.	High Plains	Amarillo Lubbock	
3.	Northwest	Abilene Wichita Falls	
4.	Upper East	Longview Texarkana, TX-AR Metro Area Tyler	
5.	Southeast	Beaumont-Port Arthur	
6.	Gulf Coast	Houston-The Woodlands-Sugar Land	
7.	Central Texas	College Station-Bryan Killeen-Temple Waco	
8.	Capital Texas	Austin-Round Rock	
9.	Alamo	San Antonio-New Braunfels Victoria	
10.	South Texas	Brownsville-Harlingen Corpus Christi Laredo McAllen-Edinburg-Mission	
11.	West Texas	Midland Odessa San Angelo	
12.	Upper Rio Grande	El Paso	

(Exhibit 3 continued on next page)

(Exhibit 3 continued)

Nationwide Service Area Designation or Identification Form			
Proposing Firm Name:	Binoloop 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 <input checked="checked" type="checkbox"/>	Will not service fifty (50) states <input type="checkbox"/>	
	<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 (write "ALL" if proposing to service entire state)	Designated as a Service Area
1.	Alabama		
2.	Alaska		
3.	Arizona		
4.	Arkansas		
5.	California		
6.	Colorado		
7.	Connecticut		
8.	Delaware		
9.	Florida		
10.	Georgia		
11.	Hawaii		
12.	Idaho		
13.	Illinois		
14.	Indiana		
15.	Iowa		
16.	Kansas		
17.	Kentucky		
18.	Louisiana		
19.	Maine		
20.	Maryland		

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

End of Exhibit 3

APPENDIX B

NCTCOG FEDERAL AND STATE OF TEXAS REQUIRED PROCUREMENT PROVISIONS
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.

REQUIRED 2 CFR 200 CLAUSES

Uniform Administrative Requirements, Cost Principles & Audit Requirements for Federal Awards (Contractor)

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.
2. **Davis-Bacon Act.** CONTRACTOR agrees to comply with all applicable provisions of 40 USC § 3141 – 3148.
3. **Contract Work Hours and Safety 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.
4. **Rights to Invention Made Under Contract or Agreement.** CONTRACTOR agrees to comply with all applicable provisions of 37 CFR Part 401.
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.
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 special provision “Certification Requirements for Recipients of Grants and Cooperative Agreements Regarding Debarments and Suspensions”.
7. **Restrictions on Lobbying.** CONTRACTOR of these funds is prohibited from using monies for lobbying purposes; CONTRACTOR shall comply with the special provision “Restrictions on Lobbying”. CONTRACTOR shall include a statement of compliance with the Lobbying Certification and Disclosure of Lobbying Activities in applicable procurement solicitations. Lobbying Certification and Disclosure of Lobbying Activities shall be completed by subcontractors and included in subcontractor contracts, as applicable.
8. **Procurement of Recovered Materials.** CONTRACTOR agrees to comply with all applicable provisions of 2 CFR §200.322.
9. **Anti-Israeli Boycott.** By accepting this work order, CONTRACTOR hereby certifies the following:
 1. CONTRACTOR’s Company does not boycott Israel; and
 2. CONTRACTOR’s Company will not boycott Israel during the term of the contract.

The following definitions apply to this statute:

- (1) "Boycott Israel" means 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 specifically with Israel, or with a person or entity doing business in Israel or in an Israeli- controlled territory, but does not include an action made for ordinary business purposes; and
- (2) "Company" means an organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or limited liability company, including wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of those entities or business associations that exists to make a profit.

10. Domestic Preference for Procurements

As appropriate and to the extent consistent with law, the CONTRACTOR should, to the greatest extent practicable, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). Consistent with §200.322, the following items shall be defined as: "Produced in the United States" means, for iron and steel products, that all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States. "Manufactured products" means items and construction materials composed in whole or in part of non-ferrous metals such as aluminum; plastics and polymer-based products such as polyvinyl chloride pipe; aggregates such as concrete; glass, including optical fiber; and lumber.

11. Trafficking in Persons

Contractor agrees to comply with all applicable provisions of 2 CFR §175.15. NCTCOG, the Contractor, and its subcontractors are prohibited from (i) engaging in severe forms of trafficking in persons during the period of time that the award is in effect; (ii) procure a commercial sex act during the period of time that the award is in effect; (iii) used force labor in the performance of the award or subawards under the award. The Federal award agency may unilaterally terminate the award, without penalty, if the Contractor (i) is determined to have violated an applicable prohibition; (ii) has an employee who is determined by the agency officially authorized to terminate the award to have violated an applicable prohibition of this award term. NCTCOG must notify the Federal award agency immediately if any information received from the Contractor indicates a violation of the applicable prohibitions.

Check one of the following:

☒ The Contractor or Subrecipient hereby certifies that it **does** comply with the requirements of 2 CFR 200 as stipulated above and required by the NCTCOG.

-OR-

☐ The Contractor or Subrecipient hereby certifies that it **cannot** comply with the requirements of 2 CFR 200 as stipulated above and required by the NCTCOG.



Signature of Authorized Person

Purvaja Soochit

Name of Authorized Person

Binoloop Inc.

Name of Company

April 28, 2025

Date

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

CEO

Title

Binoloop Inc.
Agency

April 28, 2025
Date

APPENDIX D
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.

Check one of the following:

☒ The Contractor or Subrecipient hereby certifies that it **does** comply with the requirements of 2 CFR 200 as stipulated above and required by the NCTCOG.

-OR-

☐ The Contractor or Subrecipient hereby certifies that it **cannot** comply with the requirements of 2 CFR 200 as stipulated above and required by the NCTCOG.



 Signature of Authorized Person

Purvaja Soochit

 Name of Authorized Person

Binoloop Inc.

 Name of Company

April 28, 2025

 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.

Check one of the following:

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

-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

Purvaja Soochit

Name of Authorized Person

Binoloop Inc.

Name of Company

April 28, 2025

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.

Check one of the following:

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

-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

Purvaja Soochit

Name of Authorized Person

Binoloop Inc.

Name of Company

April 28, 2025

Date

APPENDIX E
DEBARMENT CERTIFICATION

Purvaja Soochit being duly
(Name of certifying official)
sworn or under penalty of perjury under the laws of the United States, certifies that neither

Binoloop 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:



Signature of Certifying Official

CEO

Title

April 28, 2025

Date of Certification

Form 1734
Rev.10-91
TPFS