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Your Public Sector Solutions Center

REQUEST FOR PROPOSALS
For
Artificial Intelligence (AI) Consultancy Services
RFP # 2025-023

Sealed proposals will be accepted until 2:00 PM CT, **January 13, 2025**, and then publicly opened and read aloud thereafter.

Legal Name of Proposing Firm

Contact Person for This Proposal

Title

Contact Person Telephone Number

Contact Person E-Mail Address

Street Address of Principal Place of Business

City/State

Zip

Mailing Address of Principal Place of Business

City/State

Zip

Point of Contact for Contract Negotiations

Title

Point of Contact Telephone Number

Point of Contact Person E-Mail Address

Acknowledgment of Addenda (initial): #1 HM #2 _____ #3 _____ #4 _____ #5 _____

NOTE: Any confidential/proprietary information must be clearly labeled as “confidential/proprietary”. All proposals are subject to the Texas Public Information Act.

Authorized Signature: 

COVER SHEET

Name: Ha McNeill

Title: Vice President, Digital Identity Growth Email: Ha.McNeill@bigbear.ai

Date: January 8, 2025

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1. Certificate of Offeror and Statement of Understanding

PRE LLC, a BigBear.ai Company (herein BigBear.ai) has been providing decision intelligence solutions for more than 20 years and has become a trusted leader in multiple markets, government & defense, travel & transportation, manufacturing & warehouse operations, public safety and healthcare & life sciences. Our expertise in national security, digital identity, supply chains and logistics, enterprise operations, and manned-unmanned teaming in autonomous systems give us unmatched expertise in delivering solutions across multiple organizations and partners to deliver a unified solution that exceeds our customers' needs. This involves:

Assessment and Identification: Conduct thorough assessments of current organizational processes to identify potential AI integration opportunities with practical examples tailored to various departments such as public safety, citizen engagement, and infrastructure maintenance.

Recommendations: Suggest suitable AI tools, frameworks, and applications to address specific organizational challenges effectively.

Data Strategy Development: Formulate a robust data strategy aligned with an AI roadmap that prioritizes data quality, governance, privacy, and security.

Strategic AI Implementation Roadmap: Create a detailed roadmap for AI implementation covering governance, timelines, milestones, and deliverables.

Compliance Assurance: Ensure all AI implementations adhere to legal standards such as FOIA, grant/state/federal regulations, and establish technical, administrative, and policy controls for internal AI use.

Training and Knowledge Transfer: Provide training and ensure knowledge transfer to internal teams on AI capabilities, enabling effective adoption and utilization of AI tools.

Value Quantification: Quantify AI's long-term value to the organization and create business cases for current and future investments, supporting sustained AI adoption.

Implementation Support: Support pilot and full-scale AI implementations, offering comprehensive training for sustainable in-house AI operations.

Five-Year AI Roadmap: Develop a five-year AI roadmap to guide the organization's future AI development.

This approach ensures a seamless integration of AI into the organization, fostering efficiency, compliance, and long-term growth.

2. Key Personnel

BigBear.ai proudly presents the following key personnel for the NCTCOG AI Consultancy project along with their qualifications:

Name/Title	Subject Matter Expertise	Role and Qualifications
<p>Nisha Dev, PhD Director of Vision AI</p>	<p>Vision AI Computer Vision Biometrics</p>	<p><u>Role:</u> AI and ML Subject Matter Expert.</p> <p><u>Specific Expertise:</u> Hands-on experience across the entire AI development lifecycle. Expertise spans data acquisition to gather relevant and high-quality datasets, data annotation to ensure accurate labeling and preparation for training, model development to design and implement advanced algorithms, model evaluation to validate performance and ensure reliability, and inference engine development to deploy scalable and efficient solutions for real-world applications. Proficient in overseeing end-to-end processes while ensuring alignment with project goals and driving impactful results.</p> <p>Successfully built and led a team of Machine Learning (ML) engineers to complete projects efficiently and on schedule, fostering collaboration and productivity.</p> <p><u>Skills:</u> Programming Languages: Python, Matlab, C/C++, R, Perl, Deep Learning Libraries: TensorFlow, Keras, PyTorch, Mxnet, Commercial Face Recognition SDK: RankOne Computing, Neurotech, Environments: Eclipse, Qt, Visual Studio, Ubuntu, OSX, Windows</p> <p><u>Education:</u></p> <ul style="list-style-type: none"> • Doctor of Philosophy, Computer Science and Engineering, University of Notre Dame • Master of Science in Computer Science and Engineering, University of Notre Dame • Master of Science, Electrical Engineering, Syracuse University • Bachelor of Science, Engineering in Electronics and Communication, Bangalore Institute of Technology
<p>Eric Conway</p>	<p>Software Architecture</p>	<p><u>Role:</u> Software Architecture Subject Matter Expert</p> <p><u>Specific Expertise:</u> Enterprise architecture, web-based development, automation and integration, Agile software engineering; cyber security</p> <p>Established Cyber AI Innovation Laboratory; Launched Binary Analysis (Troy) and Vulnerability Research Lab (SpaceCREST).</p>

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Name/Title	Subject Matter Expertise	Role and Qualifications
		<p>Key architect in the enterprise cyber operations platform for a major intelligence community agency.</p> <p>Developed enterprise class analytic systems for home building industry.</p> <p><u>Education:</u></p> <ul style="list-style-type: none"> • Master of Science, Interdisciplinary Science Studies, Johns Hopkins University, Baltimore, MD • Bachelor of Science, Earth Science, Frostburg State University, Frostburg, MD • Certified Information System Security Professional (CISSP), Certified Agile Scrum Master, Java Certified Programmer
<p>Bill Cawthra, Director DevOps</p>	<p>Cloud Architecture</p>	<p><u>Role:</u> Cloud Infrastructure Subject Matter Expert</p> <p><u>Specific Expertise:</u> Deploy infrastructure using such tools and platforms as GitHub, Pulumi, Ansible, Terraform, Docker, Kubernetes, AWS, Google Cloud, and Azure. Bill manages a small team capable of moving quickly to support cloud infrastructure environments, while planning, tracking, and documenting that infrastructure. Embed with developer teams and solve their infrastructure and deployment problems.</p> <p>For projects and platforms, developed ephemeral pull request environments that allowed developers to test their code and changes as they would in a persistent production environment.</p> <p>Served as lead architect for CyberPoint and MISI cloud infrastructure across multiple project and business areas. Designed, deployed, managed, and automated all aspects of infrastructure and operations. Daily technical work involved GitHub, Terraform, Ansible, AWS, Bash, and Python.</p> <p>Managed the cloud infrastructure engineering team across multiple products and projects.</p> <p><u>Education:</u></p> <ul style="list-style-type: none"> • Bachelor of Science, Electrical Engineering, The Pennsylvania State University
<p>Dan Miller, PhD Director, LLM Technology</p>	<p>Large Language Model (LLM) Technology</p>	<p><u>Role:</u> Large Language Model (LLM) Technology Subject Matter Expert</p>

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Name/Title	Subject Matter Expertise	Role and Qualifications
		<p><u>Specific Expertise:</u> Developed bespoke ensemble NLP named entity recognition (NER) and aspect based sentiment analysis (ABSA) models for U.S. Federal customers utilizing Tensorflow, PyTorch, and Spacy, with capability included in on-site operational demonstrations. Acted as ML/AI project capture lead responsible for technical project development and model engineering with an emphasis on applying natural language, recurrent, and convolutional neural network models to social and political risk related problems. Primary statistical ethics controller for several interrelated AI/ML modeling products. Transfer learning using open-source imagery for image segmentation and OCR from diverse documents.</p> <p>Big Data Researcher supervising a Defense Advanced Research Projects Agency (DARPA) project for the U.S. Department of Defense. Managed a team of nine data scientists, software engineers, and data architects conducting experimental internet scale botnet detection. Developed automatic botnet/malware DNS pipeline identifying 60–80 thousand infected networks daily, resulting in 245+ million total detections. Non-DNS IoCs from peer-to-peer/honeypot processes have resulted in 247 million additional detections. Parallel IoT fingerprinting has produced 588 million device detections.</p> <p><u>SKILLS</u> Languages: Python/Python data science libraries, R, SQL/Postgre, basic proficiency in bash scripting/html/java</p> <p>Cloud computing: AWS, Cloudera suite, Spark/PySpark, Hadoop, Hive, Impala, HDFS, Linux CL ML/DL: Tensorflow/Keras, PyTorch, deep learning (LSTMs, CNNs), Spacy, Scikit-learn, Quanteda, LSA+STM, Docker, classification, regression, tree-based methods, principles for rigorous statistical inference, visualization, confusion matrix/metric evaluation</p> <p>Other: Research team leadership, public presentation and instructional design, technical communication</p> <p><u>Education:</u></p> <ul style="list-style-type: none"> • Doctor of Philosophy, Jackson School of International Studies University of Washington, Seattle • Master of Arts, Jackson School of International Studies University of Washington

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Name/Title	Subject Matter Expertise	Role and Qualifications
		<ul style="list-style-type: none"> Bachelor of Arts, Political Science, International Studies Guilford College
Charles Ramsey, Principal Technologies/Lead Data Scientist	Data Science	<p><u>Role:</u> Data Science Subject Matter Expert</p> <p><u>Specific Expertise:</u> Accomplished data science, Machine Learning and senior leadership professional with a strong software development background, combining 20+ years of technical expertise with a customer mission focus. Recognized for leading multiple successful software initiatives in programs of record and in research and development domains. Portfolio includes cyber research, data science, machine learning, statistical analysis, data engineering and development for the Intelligence Community (IC), DoD DARPA and other federal agencies. Extensive experience (17+) briefing and effectively communicating to all levels of government, military, and law enforcement.</p> <p><u>Skills:</u> Technical Leadership, Cyber Research, Data Science / Data Engineering / ML/AI (pandas, scikit-learn, SQL, NLP), Programming (Python, C#, C++, R), Software & Cloud Architecture (AWS, Docker, Anaconda), Process Design & Improvement, Project Management, Business Development, TS/SCI Security Clearance</p> <p><u>Education:</u></p> <ul style="list-style-type: none"> Master of Science, Computer Science, Texas State University, San Marcos TX Bachelor of Science, Computer Science, Southwestern University
Jason Lam, Chief Architect, Labs	AI/ML	<p><u>Role:</u> Responsible for the solution's development, setup, and configuration and providing technical and product guidance and support. Subject Matter Expert</p> <p><u>Specific Expertise:</u> Directs product research and development labs to build innovative AI enabled computer vision technologies. Previously led the development of large enterprise software solutions for CBP.</p> <p>Notable projects include:</p> <ul style="list-style-type: none"> Project DARTMOUTH U.S. CBP Anomaly Detection Algorithms (ADA) U.S. CBP Traveler Verification Services (TVS) Trueface model training for use with veriScan

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Name/Title	Subject Matter Expertise	Role and Qualifications
		<p><u>Certifications:</u> AWS Cloud Practitioner; SAFe Advanced Scrum Master; SAFe 5.0 Practitioner. <u>Skills:</u> python, pytorch, stable diffusion, YOLO, OpenCV, CUDA, AI/ML, OpenSearch, Webservices, ElasticSearch, Solr, AWS, GCP, Java, Docker, Project Management, DevOps, Relational DB, NoSQL, Serverless, SaaS, Linux, UML, agile development</p> <p><u>Education:</u></p> <ul style="list-style-type: none"> • Master of Science, System Engineering, George Washington University • Master of Science, Computer Engineering, Virginia Polytechnical Institute and State University • Bachelor of Science, Computer Engineering, Virginia Polytechnical Institute and State University, (Minor Computer Science and Mathematics)
<p>Ed Tuttle Program Manager</p>	<p>Project Management</p>	<p><u>Role:</u> Lead Project Manager. Responsible for guiding the project from concept to completion. He will ensure the project is completed on time and within budget.</p> <p><u>Specific Expertise:</u> Solutions-focused, versatile transformational strategic leader with over 34 years of public entity (Department of Defense) experience offering diverse program management, cybersecurity, and effective communication skills who quickly masters new roles and technologies to achieve positive results.</p> <p>As Program Manager at BigBear.ai, he directed end-to-end development of Arcas, an advanced maritime domain awareness platform leveraging AI/ML capabilities across multiple modalities. Led cross-functional teams in implementing machine learning solutions including computer vision (CV) pipelines processing multiple EO/IR video streams, predictive analytics for vessel route forecasting, and descriptive analytics for pattern-of-life analysis. Architected scalable ML pipeline processing diverse data types including SIGINT, RF, SAR, and non-traditional sources. Successfully deployed system across cloud (AWS), on-premises, and edge computing environments. Achieved real-time vessel detection, classification, and tracking across 15+ vessel categories with demonstrated performance during maritime exercises involving 10+ unmanned surface vessel types. Developed innovative risk forecasting models enabling 72-hour predictive awareness for maritime security applications, significantly enhancing resource allocation and threat detection capabilities.</p>

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Name/Title	Subject Matter Expertise	Role and Qualifications
		<p><u>Skills/Certifications:</u></p> <ul style="list-style-type: none"> • Enterprise Cybersecurity Leadership - Master Certificate Professional Development Academy (03/12/2024) http://www.pdaleadership.com/ • Cybersecurity Maturity Model Certification - Accreditation Body (CMMC-AB Registered Practitioner) (10/2021) https://cmmcab.org/marketplace/ed-tuttle/ • Certified Information Systems Security Professional (CISSP) (03/2014 – Present) Certification Number: 416615 • Security Clearance • JIRA • Cloud/IL-4/Iaas/Paas • FISCA • FIAR
<p>Ha McNeill, Vice President Digital Identity Growth</p>	<p>Public Entities/Government Affairs</p>	<p><u>Role: Executive Sponsor</u></p> <p><u>Specific Expertise:</u> Ha is a seasoned national and homeland security professional who has driven whole-of-government policies on topics including trade and intellectual property, supply chain and transportation security, commercial unmanned aerial systems, and research and development. She has advised cabinet-level officials and has served two tours at the White House, first in the Office of the Intellectual Property Enforcement Coordination and subsequently on the National Security Council. Previously, Ha was Chief of Staff at the Transportation Security Administration (TSA). She served as a key advisor to the Administrator of TSA and led the offices responsible for strategy, policy coordination, and innovation; public affairs; and legislative affairs. As Chief of Staff, Ha spearheaded the creation of corporate functions to drive TSA strategic planning, accelerate agency action, and instill a culture of innovation. She helped position TSA for better collaboration with transportation stakeholders by shaping legislative strategies and successfully evolving the agency’s authorities.</p> <p><u>Education:</u></p> <ul style="list-style-type: none"> • Master of Public Policy, Harvard Kennedy School of Government • Bachelor of Arts, International Studies, University of California, Irvine

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Name/Title	Subject Matter Expertise	Role and Qualifications
Doug Farmer	Account Management/Public Entities	<p><u>Role:</u> Main Point of Contact/Account Management</p> <p><u>Specific Expertise:</u> Doug Farmer brings over three decades of industry-specific expertise in business development and sales leadership, particularly in the fields of digital identity, public safety, and AI-driven solutions. As a Business Development lead at BigBear.ai, Doug focuses on advancing AI-powered digital identity solutions, including facial recognition, access management, threat detection, and process automation, tailored for government and enterprise clients. His prior role at GTL saw him support multiple Department of Corrections projects, highlighting his ability to provide solutions to complex, regulated environments. Doug will have overall responsibility for the business relationship.</p> <p><u>Education:</u></p> <ul style="list-style-type: none"> • Bachelor of Arts in Marketing, Lynchburg University

3. References

Reference #1	
Organization	American Airlines (AA)
Contact Name	Kimberly (Kim) Peshek, Senior Manager, Gate Management
Contact Phone Number	(480) 748-7656
Contact Email	kimberly.peshek@aa.com
Reference #2	
Organization	U.S. Air Force Research Laboratory (AFRL/RISB)
Contact Name	Aaron W. McVay, DR-III (GS-14), Senior Electronics Engineer, Deputy Program Manager, Shared Context Planning (SCP)
Contact Phone Number	(315) 330-4780
Contact Email	aaron.mcvay.3@us.af.mil
Reference #3	
Organization	U.S. Customs and Border Protection (CBP)
Contact Name	Peter A. Giambone, Contracting Officer CBP Acquisition Innovation Advocate (AIA)
Contact Phone Number	(771) 209-1384
Contact Email	peter.a.giambone@cbp.dhs.gov
Reference #4	
Organization	AGS Airports, Ltd.
Contact Name	Ronald Leitch, Chief Operating Officer
Contact Phone Number	+44 07766 421080
Contact Email	ronald.leitch@agsairports.co.uk

4. Project-Related Experience and Qualifications

AI Technology Capabilities and Experience: BigBear.ai specializes in delivering advanced AI technologies, including machine learning (ML), natural language processing (NLP), computer vision, and decision intelligence. Our expertise spans the full spectrum of AI solutions, from predictive analytics and anomaly detection to autonomous systems and AI-enhanced workflows. We integrate these capabilities into our proprietary platforms, such as ConductorOS, which provides seamless deployment, orchestration, and monitoring of AI models in dynamic environments. In addition to developing AI solutions, BigBear.ai has extensive experience providing consultancy services to government organizations to adopt and scale AI systems effectively. We have guided agencies through the full AI lifecycle, including strategy development, technology selection, implementation planning, and workforce training. For example, we supported the Defense Intelligence Agency (DIA) in the TALOS project, where we designed and implemented ML pipelines that processed over 4 million predictions daily, supporting global-scale operations for over 10,000 users across multiple agencies. With over three decades of experience supporting national security, supply chain optimization, and digital identity initiatives, BigBear.ai has a proven track record of scaling AI systems to large, global-scale analytic systems used by the Department of Defense (DoD) and the intelligence community. For instance, in the USCENTCOM VANE/Nemesis project, we implemented ML-driven behavior forecasting systems with a 96% accuracy improvement, showcasing our ability to address complex operational challenges in high-stakes environments. This extensive expertise ensures we can deliver tailored, scalable AI solutions that align with the unique requirements of NCTCOG, fostering impactful outcomes and long-term value.

Public Sector Compliance and Ethics: BigBear.ai's approach to AI governance and compliance is deeply rooted in industry-standard frameworks and a commitment to ethical AI development. We align our practices with the NIST AI Risk Management Framework, NIST Privacy Framework, and GSA's AI Guide for Government, ensuring our solutions meet rigorous public sector compliance and ethical standards. This structured methodology incorporates robust security measures aligned with FedRAMP High and NIST 800-53, with specific controls for AI model security, data protection, and privacy.

Our systematic approach to compliance includes a detailed compliance matrix that maps solution components to applicable regulations, such as FOIA requirements, data privacy standards, and agency-specific mandates. This ensures traceability, transparency, and adherence to all regulatory obligations throughout the lifecycle of the solution. For example, in the VeriScan project for CBP, we successfully implemented facial recognition technology that met stringent privacy and security standards while maintaining transparency and public trust. To uphold ethical standards, we employ comprehensive bias testing, model explainability analysis, and regular fairness assessments. These practices ensure AI models are not only effective but also fair, transparent, and accountable. Our solutions incorporate explainability features that provide stakeholders with clear insights into decision-making processes, enhancing trust and understanding. Through regular audits and fairness assessments, we proactively address potential risks, ensuring that our AI systems remain equitable and compliant.

Additionally, BigBear.ai actively engages with the executive and legislative branches of the federal government, including the White House and Capitol Hill, contributing to the development of ethical AI standards and responsible AI practices. This direct involvement keeps us at the forefront of evolving

regulations and ethical considerations, allowing us to embed cutting-edge principles into every AI solution. Our approach not only ensures compliance but also reinforces public trust and accountability, making us a reliable partner for NCTCOG’s AI initiatives.

Implementation Portfolio: BigBear.ai brings extensive experience implementing AI solutions and providing AI consultancy services across government organizations. While many of our implementations have been at the federal level, our methodologies and solutions directly address the unique challenges faced by local governments: budget constraints, legacy system integration, cross-department data sharing, and the need to maintain continuous operations while modernizing. Our portfolio demonstrates successful delivery of AI initiatives that emphasize clear value, sustainable operations, comprehensive training, and robust security - all critical factors for local government AI adoption.

Portfolio Item	Customer	Scope & Value	Local Government Relevance
VANE AI Platform	US CENTCOM	Development of automated machine learning platform for data integration, pattern detection, and predictive analytics. Platform enabled automated identification of patterns and anomalies in complex datasets.	Applicable to local emergency management, resource planning, and public safety where pattern detection and prediction can improve response times and resource allocation
G3 Data Lake	US Army	Enterprise data strategy, governance framework, data integration from multiple sources. Created single source of truth for data-driven decisions. Reduced data silos and improved data quality.	Directly applicable to consolidating disparate data sources across city/county departments, enabling coordinated planning and operations
VeriScan	CBP/Airports	Biometric AI solution with facial recognition, deployed across 15 airports. Included training, documentation, and operational support. Processes over 21M passengers.	Demonstrates ability to deploy AI solutions across distributed locations, train users, and maintain high performance in public-facing operations
ProModel	Multiple Gov't	AI-driven simulation and optimization tools for resource planning and operational efficiency. Reduced costs and improved service delivery.	Valuable for budget planning, resource allocation, and service optimization in local government operations
ConductorOS	Multiple Agencies	Edge AI deployment platform enabling distributed AI operations with central management. Supports disconnected operations.	Applicable for managing AI solutions across distributed city facilities, departments, or regional partnerships
Aurora	Air Force	Strategic planning tool using AI for resource allocation and operational planning. Improved decision-making speed and accuracy.	Adaptable for city/county planning, budgeting, and resource management

Portfolio Item	Customer	Scope & Value	Local Government Relevance
Digital Horizon	US Navy Task Force 59	Maritime domain awareness using AI for pattern detection and anomaly identification. Real-time integration with operational systems.	Demonstrates integration of AI with existing operational systems and real-time data processing
IDRS	DHS ICE	Data warehouse modernization, implementing AI/ML for enhanced reporting and analytics. Improved data utilization and decision support.	Shows capability to modernize legacy systems and implement AI analytics for improved operations
DST-SM	US Army AMC	AI-driven decision support tool for resource management and distribution. Optimized resource utilization and reduced costs.	Applicable to public works, fleet management, and resource distribution across local government operations
ORION	Joint Staff	AI implementation for force planning and resource optimization. Includes training and capability building.	Demonstrates comprehensive approach to organizational AI adoption including training and support
TALOS	DIA	AI implementation for intelligence analysis, processing 4M+ predictions daily. Includes robust data governance and security.	Shows ability to handle sensitive data with appropriate security and governance controls
Unified Passenger	CBP	Machine learning integration for passenger screening, reducing manual analysis requirements by over 60%.	Example of using AI to enhance existing processes and reduce manual workload

Assessment of Requirements and Scope of Work: BigBear.ai can fully meet all requirements specified in the Scope of Work section 5.2.1 through 5.2.5. Our methodologies, technical capabilities, and implementation experience align directly with each requirement area, including AI strategy development, feasibility assessment, solution design, pilot implementation, and training/adoption support. Our comprehensive service delivery model ensures we can address both technical and organizational aspects of AI adoption, supported by proven frameworks for change management and capability building. There are no significant requirements that we are unable to meet within the specified scope of work.

Introducing BigBear.ai

BigBear.ai has been leading the way since 1988 providing a higher form of decision-intelligence within the defense and intelligence market. Our solutions are designed to enhance operational efficiency and strengthen security across all facets of your organization. BigBear.ai solutions have been tested and proven to work in the most difficult, highly available and secured environments globally for National Security (DoD, DHS, CBP), Supply Chain Management (AWS, shipbuilding, healthcare) and Digital Identity (major airlines, airports and ports of entry and exit worldwide). BigBear.ai’s integrated AI platform provides a multi-layered technology approach:

- Advanced Sensor and Edge Solutions: Utilizing technologies like veriScan for facial recognition, Bridge for AI-driven cargo screening, and a network of sensors with edge computing.

- **Sophisticated Data Collection and Fusion:** Combining open-source intelligence with traditional sensor data to create a comprehensive view of your operations and security landscape.
- **Powerful Central Analytics and Decision Support:** Leveraging tools like Arcas for maritime security and Dominate for geopolitical prediction, offering real-time situational awareness and predictive analytics.
- **Robust Integration and Orchestration:** Using ConductorOS to ensure seamless integration, scalability, and adaptability across various security needs.

These capabilities enhance threat detection, operational efficiency, and provide a scalable, future-proof solution. Adopting an AI-driven approach supports local governments in advancing innovation, improving customer experience, enhancing efficiency, automating tasks, and setting standards for modern security systems. BigBear.ai is ready to assess your needs and offer tailored recommendations, including technological investments and operational concepts.

In March 2024, BigBear.ai completed its acquisition of **Pangiam** Intermediate Holdings, LLC (Pangiam). Pangiam was established in 2018, and the team is comprised of individuals who have held senior positions within Department of Homeland Security (DHS), U.S. Customs and Border Protection (CBP), Transportation Security Administration (TSA), U.S. airlines, and major international airports. BigBear.ai's strategic acquisition accelerates and evolves our mission to create clarity for the world's most complex decisions in three markets: national security, supply chain management, and digital identity. **The combined entity creates the industry's most comprehensive Vision AI portfolios, combining facial recognition, image-based anomaly detection and advanced biometrics with BigBear.ai's computer vision and predictive analytics capabilities.**

Subcontractors/Third-party partnerships

Partnerships: BigBear.ai collaborates with a carefully selected ecosystem of subcontractors and third-party service providers to ensure the successful fulfillment of the requirements outlined in this RFP. These partnerships enable us to leverage specialized expertise, state-of-the-art technologies, and proven infrastructure to deliver scalable, high-quality AI solutions that meet NCTCOG's needs.

- **Cloud Service Providers** - We maintain strong partnerships with leading cloud service providers, including Amazon Web Services (AWS) and Microsoft Azure, to deliver robust, secure, and flexible cloud-based services. These platforms provide the scalable infrastructure necessary to support AI compute requirements, enable real-time data processing, and ensure seamless integration with existing systems. Our access to solution architects from these providers ensures that the selected cloud infrastructure is both cost-effective and optimized for NCTCOG's specific use cases.
- **AI Hardware Providers** - BigBear.ai partners with industry leaders such as NVIDIA and DELL to provide cutting-edge hardware solutions for compute-intensive AI operations. These partnerships enable us to deploy AI systems with the processing power required for complex model training and inference while ensuring compatibility with our platform technologies. This ensures the performance, scalability, and reliability of AI systems deployed for NCTCOG.
- **Platform Technology Partners** - Our partnerships with companies like ClearML and Synadia enhance our ability to accelerate AI adoption by integrating specialized platform technologies. ClearML's tools streamline the lifecycle of machine learning workflows, from experimentation to deployment, while Synadia's expertise in distributed systems ensures efficient, interoperable communication between AI components. These platforms are seamlessly integrated with

BigBear.ai's technologies to deliver scalable, modular solutions tailored to NCTCOG's objectives.

- **Appian Partnership** - As a close partner with Appian, BigBear.ai leverages its low-code platform to accelerate AI adoption. Appian's platform enhances automation, streamlines workflows, and enables rapid deployment of AI-driven solutions. Through this partnership, we provide NCTCOG with a unified interface for managing AI-powered processes, ensuring quick adoption, reduced time-to-value, and enhanced user experiences. The interoperability between Appian's platform and BigBear.ai's technologies ensures seamless integration and operational efficiency.

Project Management and Communication

BigBear.ai's organizational approach is based on a matrix structure, where the Project Manager has overall responsibility for the project, and the functional managers are responsible for providing the subject matter expertise. The key personnel shown in Section 2 will be matrix-managed and led by the BigBear.ai Project Manager, Ed Tuttle. Once the project is launched and key contacts are identified, BigBear.ai will host a Project Kickoff (PKO) Meeting to outline program deliverables and milestones. Commencing the week following the PKO, BigBear.ai will host a check-in meeting with any stakeholders to orchestrate/coordinate requirements and deliverables.

BigBear.ai uses a variety of communication methods, including regular meetings, progress reports, and status updates to coordinate work with NCTCOG and participating Entities. BigBear.ai's project management and organizational approach, and methods for performing the Scope of Work are designed to ensure that the project is completed on-time and within budget. We create a well-defined project plan using Jira and Microsoft Excel, a matrix organizational structure, and a proactive, detailed, and comprehensive communication approach to coordinate work with other entities and consultants. Each of these documents are modified specifically to the project.

BigBear.ai will review and adjust the Project Plan in collaboration with NCTCOG and the participating Entities' Project Managers to define how the project is executed, monitored, controlled, and closed. This well-defined and collaborative approach allows all stakeholders to maintain an open dialogue and ensure tasks are completed in a proper and timely manner. Further, outputs of this coordination include a detailed work breakdown structure, project schedule, resource, and communications plans, all of which enable the most effective management of tasks and project milestones.

To interface with NCTCOG and participating Entities, BigBear.ai adheres to the following five (5) key principles to promote proactive engagement with stakeholders to address opportunities in an open, transparent, and methodical manner. Our approach and philosophy include:

- **Communication:** Our goal is to communicate with our clients throughout the entire project. We believe communication and transparency is key to successful implementation. This includes daily and weekly planning and progress reporting along with monthly budgetary updates.
- **Cost Consideration:** We scrutinize project costs continuously. We identify potential savings areas and manage deviations from existing plans. All cost consideration will be communicated as soon as identified. BigBear.ai has delivered all projects on time and within budget.
- **Vendor/Stakeholder Collaboration:** We view implementation and delivery as a team effort. We work with you through every phase of the project plan.

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- **Flexibility:** Every project owner’s intent is to adhere to the original plan adopted, BigBear.ai’s approach is no different; however, we recognize agility is required when availability of resources or operational necessities dictate the need for a course change. NCTCOG and participating Entities can rely on BigBear.ai to be as flexible as possible to meet the stakeholders’ needs.
- **Project Timeline:** We will work within established timelines with a stated objective of accelerating deliverables wherever feasible. Coordination across all stakeholders will help ensure a timely and successful cutover into operations.

5. Technical Proposal

Meeting Program Objectives (Section 5.1)

BigBear.ai's AI consultancy methodology employs a structured framework for organizational transformation through AI adoption, proven through implementations like our G3 Data Lake project and VANE deployment for USCENTCOM, and our Traveler Verification Service (TVS) implementation for U.S. CBP. Our approach begins with comprehensive process assessment and data flow analysis to identify high-value AI opportunities. We evaluate and recommend optimal AI tools, frameworks, and applications based on organizational needs and constraints, while developing comprehensive data strategies emphasizing quality, governance, and security.

Our methodology ensures successful execution of each objective. The AI strategy development process guides organizations through current state assessment, while our solution design approach ensures compliance with legal standards including FOIA and federal regulations. Implementation planning incorporates value quantification and ROI analysis, enabling organizations to build compelling business cases for AI investment. Our implementation approach emphasizes pilot programs and iterative refinement, supported by comprehensive training and documentation strategy that ensures sustainable organizational capabilities.

This systematic approach delivers measurable business value while building lasting AI capabilities. Our detailed implementation roadmaps align technology adoption with organizational goals, culminating in a comprehensive 5-year AI development plan. Each phase emphasizes knowledge transfer and documentation, enabling organizations to develop and maintain AI capabilities independently after deployment. Success metrics track both technical implementation and organizational adoption, ensuring sustainable transformation that creates long-term value for government organizations adopting AI technologies.

This comprehensive methodology, proven through multiple government engagements, ensures successful AI adoption while building lasting organizational capabilities. Our approach emphasizes collaboration, knowledge transfer, and sustainable implementation, creating long-term value for government organizations adopting AI technologies.

Executing Scope of Work (Section 5.2)

AI Strategy Development (5.2.1): Our methodology for AI strategy development employs a structured discovery framework incorporating stakeholder interviews, process analysis workshops, and capability assessment tools. We begin with department-level discovery sessions using our Process Optimization Framework to map current workflows, identify pain points, and quantify potential AI impact areas. This framework, successfully employed in our VANE implementation, systematically evaluates process efficiency, data utilization, and automation potential. Technical analysis includes infrastructure assessment, data flow mapping, and integration point identification using industry-standard tools like Architecture Capability Assessment Framework (ACAF) and Technology Readiness Assessment (TRA) matrices. The resulting analysis feeds into a comprehensive strategic alignment model that maps organizational goals to specific AI capabilities, ensuring technology recommendations directly support mission objectives and operational requirements.

Feasibility Study and Use Case Identification (5.2.2): Our feasibility assessment methodology utilizes a multi-dimensional analysis framework incorporating technical, operational, and organizational factors. We employ a structured use case evaluation matrix that scores potential AI applications across key dimensions: technical feasibility, data readiness, implementation complexity, ROI potential, and organizational impact. Each use case undergoes detailed compliance analysis using our Regulatory Impact Assessment Tool, which maps solutions against applicable federal, state, and local requirements. The data strategy assessment leverages best practices such as those defined in the DAMA-DMBOK framework to evaluate data quality, governance maturity, and integration capabilities. Our prioritization model, demonstrated in the G3 Data Lake project, employs weighted scoring across impact factors and implementation prerequisites to generate an optimized deployment sequence. This systematic approach ensures resources are focused on high-value, achievable implementations while building foundational capabilities for more complex future applications.

AI Solution Design and Roadmap (5.2.3): The solution design phase employs a comprehensive architectural framework that ensures technical, operational, and compliance requirements are systematically addressed. We create solution architectures that integrate AI capabilities while maintaining security, scalability, and maintainability. Our compliance documentation process maps solutions against a comprehensive regulatory framework including Freedom of Information Act (FOIA), General Data Protection Regulation (GDPR), National Institute of Standards and Technology (NIST) guidelines, and agency-specific requirements. Solution cost modeling employs activity-based costing methodology to provide detailed TCO analysis across development, infrastructure, licensing, and operational costs. The implementation roadmap is developed using our Enterprise Architecture Planning Framework, which defines governance structures, technical dependencies, resource requirements, and success metrics. This structured approach, combined with ethical AI assessment tools, ensures solutions meet both technical and regulatory requirements while delivering measurable business value.

Pilot Testing and Implementation Support (5.2.4): Our pilot implementation methodology follows a staged deployment approach utilizing DevSecOps practices and continuous integration/deployment (CI/CD) pipelines. We employ automated testing frameworks for both functional and performance validation, with specific emphasis on AI model accuracy, bias detection, and system integration testing. The ConductorOS framework exemplifies our approach to scalable AI deployment, providing containerized deployment capabilities with built-in monitoring, logging, and performance optimization tools. Stakeholder engagement follows our User Acceptance Testing (UAT) framework, incorporating structured feedback loops and iterative refinement cycles. Implementation support includes automated health monitoring, performance optimization, and system integration validation tools, ensuring successful transition from pilot to production deployment.

Training, Adoption, and Capacity Building (5.2.5): Our knowledge transfer methodology employs a multi-modal learning framework incorporating direct training, hands-on workshops, and mentored implementation, supported by comprehensive documentation throughout the engagement lifecycle. Training materials are developed using the ADDIE instructional design model, ensuring thorough coverage of theoretical concepts and practical applications. Workshop curricula incorporate hands-on exercises using actual organizational data and use cases, reinforcing learning through practical application. Throughout the consultation process, we maintain detailed documentation of all engagement artifacts including requirements analysis, design decisions, architectural specifications, and implementation details. This documentation suite includes complete technical specifications, API documentation, data dictionaries, and detailed integration guides. For end users and system maintainers,

we produce comprehensive user guides, administrator manuals, troubleshooting documentation, installation/deployment procedures, and regular release notes. Knowledge transfer plans follow our Capability Maturity Model, defining specific competency targets and validation criteria for each role while mapping to corresponding documentation deliverables. Success metrics track both technical proficiency and operational independence, with documentation quality and completeness as key metrics. This structured approach to capability building and documentation has consistently enabled organizations to maintain and enhance AI solutions independently after initial deployment.

Meeting Technical Requirements (Section 5.3)

Consultant expertise and Qualifications (5.3.1): BigBear.ai brings over 20 years of experience providing data, analytics, and AI consultancy services to government agencies and public sector organizations, with a proven track record of delivering innovative, secure, and compliant solutions. We have supported clients such as USCENTCOM, the Defense Intelligence Agency (DIA), and the U.S. Army with tailored AI strategies and implementations designed to meet mission-critical needs. For example, our work on the USCENTCOM VANE/Nemesis project involved deploying AI/ML models for behavior forecasting and pattern analysis, improving system accuracy by 96% over legacy solutions. This reflects our ability to align AI solutions with operational goals and deliver measurable outcomes.

Our expertise spans cutting-edge AI technologies, including machine learning for predictive analytics, natural language processing for information extraction, and computer vision for biometric and anomaly detection applications. Our solutions, like VeriScan for facial recognition and ConductorOS for scalable AI deployment, demonstrate our ability to leverage the latest technologies to improve decision-making and automate complex processes. We adhere to industry best practices to ensure we deliver robust and reliable AI implementations.

Ethical AI, data privacy, and security are foundational to our approach. We integrate bias detection and mitigation tools to ensure fairness, employ privacy frameworks aligned with GDPR and FOIA, and adhere to NIST 800-53 guidelines for security. For example, VeriScan achieved top government security certifications while meeting stringent biometric privacy requirements for U.S. Customs and Border Protection (CBP). This ensures that all our solutions maintain public trust and comply with relevant regulations.

BigBear.ai has a well-established process for developing AI strategies and roadmaps. Our methodology includes stakeholder workshops, feasibility assessments using Technology Readiness Assessment (TRA) matrices, and 5-year strategic plans that align technology adoption with organizational goals. In the DIA TALOS project, we created an AI adoption roadmap that integrated machine learning pipelines processing over 4 million predictions daily while supporting more than 10,000 users across agencies. These roadmaps ensure clear, actionable paths from strategy to implementation, tailored to the unique needs of public sector organizations.

Collaboration is a cornerstone of our consultancy. We use agile methodologies to ensure cross-functional engagement, translate technical concepts into accessible language for non-technical stakeholders, and incorporate user feedback through structured user acceptance testing (UAT). For example, in the TF59 Vanguard project, we worked closely with maritime domain experts to deploy AI solutions that integrated seamlessly into operational workflows, ensuring stakeholder buy-in and successful adoption.

Finally, we are deeply familiar with public sector compliance and ethical standards, including FOIA, GDPR, and state-specific regulations. We embed ethical AI principles such as transparency, accountability, and fairness into our solutions to ensure they align with government and public expectations. For instance, in the Army G3 Data Lake project, we implemented scalable AI solutions while maintaining full compliance with federal data governance policies. This comprehensive understanding of compliance and ethics ensures that our solutions are secure, equitable, and fully aligned with public sector requirements.

BigBear.ai's deep expertise in AI technologies, ethical AI practices, and public sector compliance, combined with our collaborative and results-driven approach, positions us as an ideal partner for NCTCOG's AI consultancy needs. Our track record demonstrates our ability to deliver secure, scalable, and impactful solutions that drive innovation and long-term value.

Data security & privacy (5.3.2): BigBear.ai is committed to ensuring full compliance with all applicable federal, state, and local data privacy laws, leveraging extensive experience in secure and compliant AI implementations for government organizations. Our approach begins with a comprehensive regulatory assessment tailored to the specific requirements of NCTCOG and its stakeholders. By adhering to frameworks such as NIST 800-53 for federal information systems, the Texas Privacy Protection Act, and local data protection requirements, we ensure that all AI solutions meet the highest standards of privacy and compliance.

To address data protection regulations such as GDPR or equivalent local laws, BigBear.ai employs a robust compliance documentation process. This process includes a thorough mapping of regulatory requirements against AI solution designs, ensuring all elements of data collection, processing, and storage are fully aligned with applicable laws. For example, in our VeriScan deployment for U.S. Customs and Border Protection (CBP), we provided detailed compliance documentation that met CBP's stringent biometric data privacy and security standards, setting a benchmark for secure and ethical AI operations. Our documentation includes data flow diagrams, privacy impact assessments, and detailed security architecture designs, ensuring transparency and accountability at every stage.

To safeguard sensitive and personal information during data processing, we implement a multi-layered security strategy that includes encryption, access controls, and continuous monitoring. Advanced security measures such as role-based access controls (RBAC), end-to-end data encryption (AES-256), and secure API integration ensure that data remains protected at all times. Additionally, we employ real-time threat detection and automated response tools to mitigate potential security risks. Our secure-by-design approach, exemplified by the ConductorOS framework, provides robust data security and compliance features, enabling scalable and resilient AI deployments while protecting sensitive information.

BigBear.ai's focus on regulatory adherence, comprehensive compliance documentation, and cutting-edge security measures ensures that NCTCOG's data privacy and security needs are met. Our approach not only mitigates risks but also builds public trust in AI systems, supporting NCTCOG's mission to deliver secure and innovative solutions across its operations.

Project management and Reporting (5.3.3): BigBear.ai employs a robust project management approach centered on Agile methodologies, including the Scaled Agile Framework (SAFe), to ensure efficient, transparent, and iterative project execution. This approach allows us to deliver frequent updates, address challenges proactively, and maintain alignment with NCTCOG's priorities throughout the project

lifecycle. By integrating Agile processes into our operations, we enable adaptability and continuous value delivery, ensuring the project remains on track and responsive to evolving requirements.

To meet the requirement for regular project updates and meetings, BigBear.ai will establish a structured communication cadence, including weekly or bi-weekly progress reviews with NCTCOG's project management team. These meetings will provide updates on key milestones, discuss risks or issues, and incorporate feedback to refine ongoing tasks. Utilizing tools like Jira for task tracking and Confluence for centralized documentation ensures that project progress is visible and accessible to all stakeholders in real time. This collaborative approach enhances transparency and fosters a shared understanding of project goals and achievements.

At the conclusion of the project, we will deliver a comprehensive final report summarizing findings, recommendations, implementation outcomes, and lessons learned. Our reporting framework includes detailed insights into achieved milestones, the impact of deployed solutions, and a roadmap for sustained success. For example, in the TF59 Vanguard project, our final report provided actionable recommendations and a comprehensive analysis of system performance, enabling stakeholders to plan for future scalability. This ensures that NCTCOG will have a clear and actionable record of the project's accomplishments and future opportunities.

BigBear.ai is committed to adhering to agreed-upon project deadlines and delivering all required documentation in a timely manner. Our Agile workflows are designed to prioritize high-value deliverables and maintain flexibility to address unforeseen challenges without compromising timelines. We employ robust quality assurance processes, including iterative reviews, automated reporting, and rigorous documentation standards, to ensure deliverables meet the highest standards of accuracy and completeness. This approach not only supports on-time delivery but also ensures that all project outputs are actionable and aligned with NCTCOG's strategic objectives.

Through our structured Agile-based project management and comprehensive reporting practices, BigBear.ai ensures seamless collaboration, timely execution, and sustained success for NCTCOG's initiatives. By combining iterative delivery with transparent communication, we provide NCTCOG with the confidence and clarity needed to achieve its goals effectively.

Budget and Cost Estimation (5.3.4): BigBear.ai provides a comprehensive and transparent approach to budgeting and cost estimation, ensuring alignment with NCTCOG's financial priorities. We offer flexible pricing structures, including time and materials (T&M), fixed-price contracts, or hybrid models, depending on the scope and requirements of the project. This flexibility allows us to tailor engagements to meet budgetary constraints while maintaining project efficiency and quality.

Our partnerships with leading software vendors such as AWS and Microsoft Azure enable us to secure competitive licensing costs and leverage their solution architects to identify the most cost-effective tools for the job. By incorporating open-source and standards-based technologies where appropriate, we minimize licensing fees and infrastructure expenses while maintaining platform-agnostic flexibility to avoid vendor lock-in. These practices ensure that we select the best solutions for NCTCOG's needs without incurring unnecessary costs.

BigBear.ai also evaluates costs as part of our risk management framework, proactively identifying potential budget risks and implementing strategies to mitigate them. This ensures that all expenditures are

optimized to deliver maximum value while staying within approved budgets. Our approach provides NCTCOG with confidence in achieving cost-effective, high-impact outcomes for its AI initiatives.

Data strategy (5.3.5): BigBear.ai's data strategy is built upon industry-best practices and frameworks such as the DAMA-DMBOK (Data Management Body of Knowledge) and ISO 9001 standards to ensure robust data quality, governance, privacy, and security. Our comprehensive approach ensures that all AI solutions developed under this engagement align with these principles, fostering trust, transparency, and operational excellence for all customers.

- **Data Quality** - We prioritize the integrity and accuracy of data through stringent quality controls, leveraging automated validation processes to detect and resolve inaccuracies or inconsistencies in datasets. Our methodology includes the use of advanced data profiling tools to assess dataset completeness, accuracy, and timeliness. To further enhance data quality, we define data enrichment procedures such as merging complementary datasets or applying AI-powered imputation techniques to fill gaps. By ensuring high-quality data inputs, we enhance the reliability and effectiveness of AI models, directly contributing to actionable and trustworthy insights.
- **Data Governance** - BigBear.ai's governance strategy establishes clear policies for data ownership, usage rights, and stewardship responsibilities, ensuring accountability across all stages of the AI lifecycle. This strategy is documented in governance frameworks tailored to public sector compliance requirements, including FOIA and local data regulations. Our approach includes processes for version control and data lineage tracking to maintain transparency in data handling, leveraging tools like Git-based repositories and metadata management systems. These practices provide CLIENTS with a structured governance model that supports regulatory adherence while promoting operational clarity and control.
- **Data Privacy** - We embed privacy assurance into every solution, ensuring compliance with GDPR and relevant local legislation by applying robust anonymization techniques and privacy-preserving methods such as differential privacy. Sensitive data is managed through secure encryption protocols (e.g., AES-256) and masked as necessary to protect identities throughout the AI model lifecycle. Furthermore, we establish clear consent protocols, ensuring that data collection aligns with ethical standards and regulatory requirements. These measures safeguard client data while building public trust in its AI initiatives.
- **Data Security** - Our multi-layered security protocols include encryption, role-based access controls, and continuous monitoring to protect against unauthorized access and data breaches. We implement a comprehensive incident response plan outlining roles and responsibilities for rapid mitigation and resolution of security events. Additionally, secure data storage and backup practices are integrated into every deployment, ensuring resiliency against data loss or system disruptions. These security measures provide CLIENTS with the assurance that their data is protected against both external threats and internal vulnerabilities.
- **Ongoing Data Strategy Evaluation** - To ensure sustained effectiveness, we incorporate continuous improvement practices into the data strategy. Aligned with ISO 9001 standards, our approach includes periodic audits and reviews to evaluate data practices against evolving regulations and emerging technologies. This ensures that NCTCOG's data strategy remains adaptive and future-ready. We also provide training and workshops for internal teams, enabling them to uphold and manage the data strategy post-consultation. By fostering knowledge transfer and operational independence, we ensure that the organization can maintain and evolve its data practices effectively.

Ethical AI implementation (5.3.6): BigBear.ai is deeply committed to ensuring all AI solutions adhere to ethical principles, emphasizing fairness, transparency, accountability, and proactive bias mitigation. Our approach is informed by our active engagement with the executive and legislative branches of the federal government, including the White House and Capitol Hill. Through these advisory roles, we contribute to the development of standards and recommendations for ethical and responsible AI practices. This unique perspective allows us to integrate the latest industry insights and regulatory expectations into every AI solution we design.

- **Ethical Framework Alignment** - We align all AI solutions with industry-standard ethical *guidelines*, such as those outlined by the National Institute of Standards and Technology (NIST) and the Defense Innovation Unit (DIU), while tailoring them to NCTCOG's specific ethical principles. Our development process integrates fairness and inclusiveness through rigorous data reviews, diverse training datasets, and inclusive algorithm design to prevent discriminatory or biased outputs. For example, our AI framework, ConductorOS, incorporates explainability features, ensuring all stakeholders can understand and trust the decision-making processes of deployed models.
- **Bias Detection and Mitigation** - BigBear.ai employs robust methods to detect and reduce bias in training data and algorithms. Our methodology includes bias audits during model development, leveraging automated tools to analyze data distributions and ensure equitable representation. Post-deployment, we implement ongoing monitoring techniques using our proprietary testing and evaluation frameworks to track bias and ensure models remain fair and unbiased throughout their lifecycle. This proactive approach minimizes ethical risks and maintains public trust.
- **Transparency Protocols** - Transparency is embedded in every solution we deliver. We provide clear documentation that outlines data sources, decision logic, and model outputs, ensuring AI models are understandable to both technical and non-technical stakeholders. Our rigorous quality assurance (QA) process enforces standards and benchmarks for explainability, avoiding the "black box" problem that plagues many AI systems. These practices enhance stakeholder confidence and facilitate informed decision-making.
- **Accountability Measures** - To ensure accountability, we define clear roles and responsibilities for every stage of AI development and use. Our solutions track actions, decisions, and changes to models, providing a detailed audit trail that supports governance and compliance. We also propose mechanisms for periodic auditing of AI systems to confirm continued adherence to ethical standards. This ensures that all deployed solutions remain aligned with NCTCOG's ethical goals over time.
- **Impact Assessments** - BigBear.ai conducts regular ethical impact assessments to evaluate the societal, cultural, and operational implications of AI deployments. These assessments are structured around a comprehensive framework that identifies potential risks and opportunities, ensuring that AI solutions serve the broader public good. We provide actionable recommendations for addressing findings, including corrective measures when necessary, maintaining Our client's commitment to ethical AI practices.

Deliverables Approach (Section 5.4)

BigBear.ai takes a structured and iterative approach to deliverables, ensuring that each document evolves in alignment with project milestones and stakeholder feedback. Our methodology emphasizes transparency, collaboration, and continuous improvement, ensuring all deliverables not only meet but exceed expectations. By leveraging iterative development, we refine and expand documentation at key project phases, incorporating insights from the client's team and project progress to ensure relevance and accuracy.

To facilitate accessibility and collaboration, all deliverables are stored in a centralized, secure knowledge repository, enabling stakeholders to access and review materials in real time. This repository serves as a single source of truth for project documentation, ensuring consistency, traceability, and ease of use. Stakeholders can rely on this platform to provide updates, share feedback, and maintain a clear line of sight into project progress.

Each deliverable is directly tied to project milestones, supporting critical decision-making and operational readiness as the project advances. Deliverables such as the Feasibility Study and AI Use Case Recommendations (5.4.b) and the 5-Year AI Roadmap (5.4.c) are crafted iteratively, with initial drafts provided for review and refinement before finalization. This approach ensures that our clients’ evolving needs are integrated throughout the project lifecycle.

The ongoing improvement of deliverables is central to BigBear.ai’s commitment to quality. By applying best practices such as ISO 9001-compliant quality management processes, we ensure that deliverables are consistent, accurate, and aligned with the project’s objectives. Our iterative, milestone-driven approach guarantees that each deliverable contributes to the overall success of NCTCOG’s AI initiatives while maintaining a focus on clarity, utility, and long-term value.

Section	Deliverable Name	Description	Timeline*
5.4.a	Initial AI Strategy Report	A comprehensive report outlining the organization’s current AI capabilities, opportunities, and a strategic framework for AI adoption.	Start Date + 15 Days
5.4.b	Feasibility Study and AI Use Case Recommendations	A detailed analysis identifying high-impact AI use cases, assessing their feasibility, and including a robust data strategy component.	Start Date + 30 Days
5.4.c	5-Year AI Roadmap and Implementation Plan	A long-term roadmap defining AI goals, milestones, and a detailed implementation plan aligned with NCTCOG’s objectives.	Start Date + 45 Days
5.4.d	Pilot Implementation Plan	A structured plan for executing pilot programs, including timelines, resources, and expected outcomes.	Start Date + 90 Days
5.4.e	Staff Training Sessions and Knowledge Transfer Plan	Comprehensive training sessions and a knowledge transfer plan, including user guides and technical manuals for operational independence.	Start Date + 105 Days
5.4.f	Ethical AI Documentation	Detailed documentation of ethical AI guidelines, measures, and practices applied throughout the project.	Start Date + 90 Days
5.4.g	Final Project Report	A complete evaluation of the project, summarizing outcomes, lessons learned, and recommendations for future AI integration.	Start Date + 150 Days

*Please note that this timeline is an estimate and will be agreed upon with NCTCOG and participating Entities. It is dependent upon information gained during discovery meetings.

6. Pricing

BigBear.ai supplies its pricing as required in the file titled, "Proposal Pricing.xls" loaded separately in the Public Purchase portal.

7. HUB Bonus

This is not applicable.

8. Required Attachments

Please find Attachments I through X and Exhibit 1 on the following pages.

REQUIRED ATTACHMENT CHECKLIST

Please utilize this checklist to ensure that all required attachments are included with your proposal. IF AN ATTACHMENT DOES NOT APPLY, PLEASE MARK AS “**NOT APPLICABLE**” AND SUBMIT WITH THE PROPOSAL. FAILURE TO SUBMIT **ALL REQUIRED DOCUMENTS** MAY NEGATIVELY IMPACT YOUR EVALUATION SCORE.

- Page 1 - Cover Sheet
- Page 20 - Attachment I: Instructions for Proposals Compliance and Submittal
- Page 21 - Attachment II: Certification of Offeror
- Page 22 - Attachment III: Certification Regarding Debarment
- Page 23 - Attachment IV: Restrictions on Lobbying
- Page 25 - Attachment V: Drug-Free Workplace Certification
- Page 26 - Attachment VI: Certification Regarding Disclosure of Conflict of Interest
- Page 29 - Attachment VII: Certification of Fair Business Practices
- Page 30 - Attachment VIII: Certification of Good Standing Texas Corporate Franchise Tax Certification
- Page 31 - Attachment IX: Historically Underutilized Businesses
- Page 32 - Attachment X: Federal and State of Texas Required Procurement Provisions
- Page 35 - Exhibit 1: Service Designation Areas

Respondent recognizes that all proposals must be submitted electronically through [Public Purchase](#) by the RFP due date and time. All other forms of submissions will be deemed nonresponsive and will not be opened or considered.

**ATTACHMENT I: INSTRUCTIONS
FOR PROPOSALS COMPLIANCE AND SUBMITTAL**

Compliance with the Solicitation

Submissions must be in strict compliance with this solicitation. Failure to comply with all provisions of the solicitation may result in disqualification.

Compliance with the NCTCOG Standard Terms and Conditions

By signing its submission, Offeror acknowledges that it has read, understands and agrees to comply with the NCTCOG standard terms and conditions.

Acknowledgment of Insurance Requirements

By signing its submission, Offeror acknowledges that it has read and understands the insurance requirements for the submission. Offeror also understands that the evidence of required insurance must be submitted within ten (10) working days following notification of its offer being accepted; otherwise, NCTCOG may rescind its acceptance of the Offeror's proposals. The insurance requirements are outlined in Section 2.2 - General Terms and Conditions.

Name of Organization/Contractor(s):

PRE LLC, dba Pangiam, a BigBear.ai Company

Signature of Authorized Representative:

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12/6/2024

Date: _____

ATTACHMENT II: CERTIFICATIONS OF OFFEROR

I hereby certify that the information contained in this proposal and any attachments is true and correct and may be viewed as an accurate representation of proposed services to be provided by this organization. I certify that no employee, board member, or agent of the North Central Texas Council of Governments has assisted in the preparation of this proposal. I acknowledge that I have read and understand the requirements and provisions of the solicitation and that the organization will comply with the regulations and other applicable local, state, and federal regulations and directives in the implementation of this contract.

I also certify that I have read and understood all sections of this solicitation and will comply with all the terms and conditions as stated; and furthermore that I, Ha McNeill (typed or printed name) certify that I am the VP of Digital Identity Growth (title) of the corporation, partnership, or sole proprietorship, or other eligible entity named as offeror and respondent herein and that I am legally authorized to sign this offer and to submit it to the North Central Texas Council of Governments, on behalf of said offeror by authority of its governing body.

Name of Organization/Contractor(s):

PRE LLC, dba Pangiam, a BigBear.ai Company

Signature of Authorized Representative:

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12/6/2024

Date: _____

**ATTACHMENT III: CERTIFICATION
REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS**

This certification is required by the Federal Regulations Implementing Executive Order 12549, Debarment and Suspension, 45 CFR Part 93, Government-wide Debarment and Suspension, for the Department of Agriculture (7 CFR Part 3017), Department of Labor (29 CFR Part 98), Department of Education (34 CFR Parts 85, 668, 682), Department of Health and Human Services (45 CFR Part 76).

The undersigned certifies, to the best of his or her knowledge and belief, that both it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency;
2. Have not within a three-year period preceding this contract been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or Local) transaction or contract under a public transaction, violation of federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false Proposals, or receiving stolen property;
3. Are not presently indicated for or otherwise criminally or civilly charged by a government entity with commission of any of the offense enumerated in Paragraph (2) of this certification; and,
4. Have not within a three-year period preceding this contract had one or more public transactions terminated for cause or default.

Where the prospective recipient of federal assistance funds is unable to certify to any of the qualifications in this certification, such prospective recipient shall attach an explanation to this certification form.

Name of Organization/Contractor(s):

PRE LLC, dba Pangiam, a BigBear.ai Company

Signature of Authorized Representative:


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12/6/2024

Date: _____

ATTACHMENT IV: 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 or belief, that:

1. No 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 officer or employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal loan, the entering into of any cooperative Contract, and the extension, continuation, renewal, amendment, or modification or any federal contract, grant, loan, or cooperative contract; and
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, and or cooperative contract, the undersigned shall complete and submit Standard Form – LLL, “Disclosure Form to Report Lobbying”, in accordance with the instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers and that all sub-recipients shall certify accordingly.

Name of Organization/Contractor(s):

PRE LLC, dba Pangiam, a BigBear.ai Company

Signature of Authorized Representative:


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12/6/2024

Date: _____

ATTACHMENT V: DRUG-FREE WORKPLACE CERTIFICATION

The PRE LLC, dba Pangiam, a BigBear.ai Company _____ (company name) will provide a Drug Free Work Place in compliance with the Drug Free Work Place Act of 1988. The unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited on the premises of the PRE LLC, dba Pangiam, a BigBear.ai Company _____ (company name) or any of its facilities. Any employee who violates this prohibition will be subject to disciplinary action up to and including termination. All employees, as a condition of employment, will comply with this policy.

CERTIFICATION REGARDING DRUG-FREE WORKPLACE

This certification is required by the Federal Regulations Implementing Sections 5151-5160 of the Drug-Free Workplace Act, 41 U.S.C. 701, for the Department of Agriculture (7 CFR Part 3017), Department of Labor (29 CFR Part 98), Department of Education (34 CFR Parts 85, 668 and 682), Department of Health and Human Services (45 CFR Part 76).

The undersigned subcontractor certifies it will provide a drug-free workplace by:

Publishing a policy Proposal notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the workplace and specifying the consequences of any such action by an employee;

Establishing an ongoing drug-free awareness program to inform employees of the dangers of drug abuse in the workplace, the subcontractor’s policy of maintaining a drug-free workplace, the availability of counseling, rehabilitation and employee assistance programs, and the penalties that may be imposed on employees for drug violations in the workplace;

Providing each employee with a copy of the subcontractor’s policy Proposal;

Notifying the employees in the subcontractor’s policy Proposal that as a condition of employment under this subcontract, employees shall abide by the terms of the policy Proposal and notifying the subcontractor in writing within five days after any conviction for a violation by the employee of a criminal drug abuse statute in the workplace;

Notifying the Board within ten (10) days of the subcontractor’s receipt of a notice of a conviction of any employee; and,

Taking appropriate personnel action against an employee convicted of violating a criminal drug statute or requires such employee to participate in a drug abuse assistance or rehabilitation program.

Name of Organization/Contractor(s):

PRE LLC, dba Pangiam, a BigBear.ai Company _____

Signature of Authorized Representative:

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12/6/2024

Date: _____

**ATTACHMENT VI: DISCLOSURE OF CONFLICT OF INTEREST
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.

Name of Organization/Contractor(s):

PRE LLC, dba Pangiam, a BigBear.ai Company

Signature of Authorized Representative:



12/6/2024
Date: _____

CONFLICT OF INTEREST QUESTIONNAIRE **FORM CIQ**
For vendor doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.
 This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).
 By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.
 A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY
Date Received

1 Name of vendor who has a business relationship with local governmental entity.
 PRE LLC, dba Pangiam, a BigBear.ai Company

2 **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 Name of local government officer about whom the information is being disclosed.

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subjects A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

Yes No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

Yes No

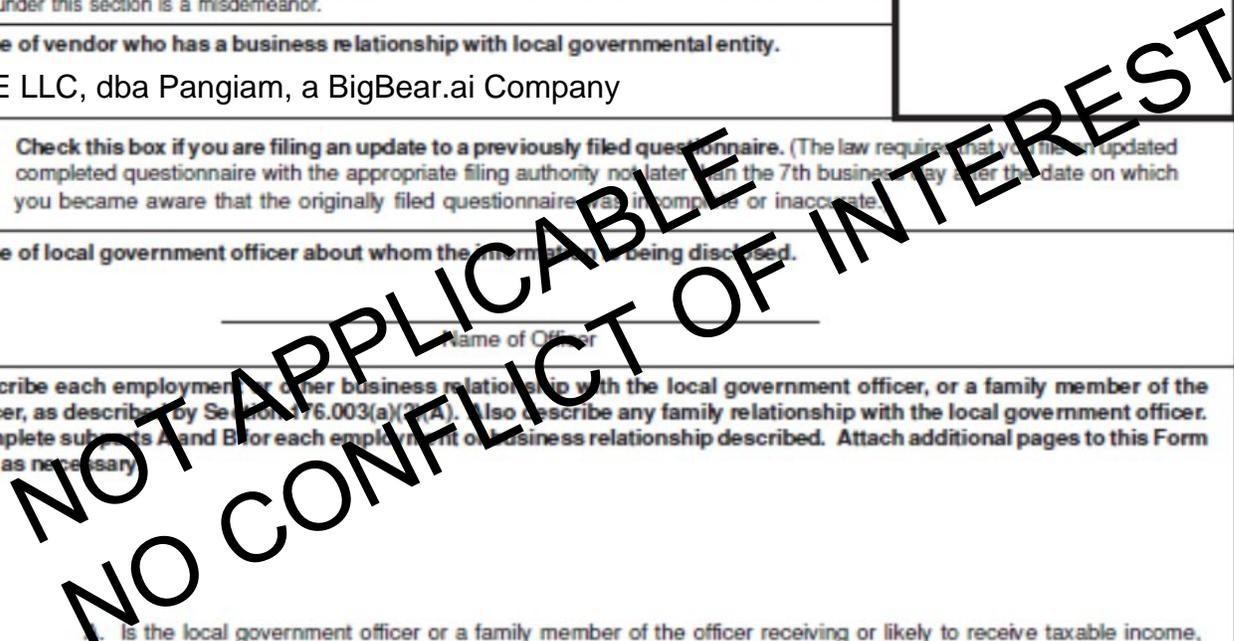
5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.

6 **Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).**

7

Signature of vendor doing business with the governmental entity

Date



CONFLICT OF INTEREST QUESTIONNAIRE
For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at <http://www.statutes.legis.state.tx.us/Docs/LG/htm/LG.176.htm>. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

- (A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or an agency of a federal, state, or local governmental entity;
- (B) a transaction conducted at a price and subject to terms available to the public; or
- (C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency and that is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or a family member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds \$2,500 during the 12-month period preceding the date that the officer becomes aware that

- (i) a contract between the local governmental entity and vendor has been executed;
- or
- (ii) the local governmental entity is considering entering into a contract with the vendor;

(B) has given to the local government officer or a family member of the officer one or more gifts that have an aggregate value of more than \$100 in the 12-month period preceding the date the officer becomes aware that:

- (i) a contract between the local governmental entity and vendor has been executed; or
- (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

- (1) has an employment or other business relationship with a local government officer of that local governmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);
- (2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or
- (3) has a family relationship with a local government officer of that local governmental entity.

(a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(1) the date that the vendor:

- (A) begins discussions or negotiations to enter into a contract with the local governmental entity; or
- (B) submits to the local governmental entity an application, response to a request for proposals or bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(2) the date the vendor becomes aware:

- (A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);
- (B) that the vendor has given one or more gifts described by Subsection (a); or
- (C) of a family relationship with a local government officer.

ATTACHMENT VII: CERTIFICATION OF FAIR BUSINESS PRACTICES

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.

Name of Organization/Contractor(s):

PRE LLC, dba Pangiam, a BigBear.ai Company

Signature of Authorized Representative:

Ha McMill

CC65986453F84C1...

12/6/2024

Date: _____

**ATTACHMENT VIII: 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 following certification that the corporation entering into this offer is current in its franchise taxes must be signed by the individual authorized on Form 2031, Corporate Board of Directors Resolution, to sign the contract for the corporation.

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.

Indicate the certification that applies to your corporation:

The Corporation is a for-profit corporation and certifies that it is not delinquent in its franchise tax payments to the State of Texas.

The Corporation is a non-profit corporation or is otherwise not subject to payment of franchise taxes to the State of Texas.

Type of Business (if not corporation): Sole Proprietor
 Partnership
 Other Limited Liability Corporation

Pursuant to Article 2.45, Texas Business Corporation Act, the North Central Texas Council of Governments reserves the right to request information regarding state franchise tax payments.

Ha McNeill, VP of Digital Identity Growth
(Printed/Typed Name and Title of Authorized Representative)


CC65986453E84C1...

Signature
1/10/2025
Date: _____

**ATTACHMENT IX: HISTORICALLY UNDERUTILIZED BUSINESSES,
MINORITY OR WOMEN-OWNED OR DISADVANTAGED BUSINESS ENTERPRISES**

Historically Underutilized Businesses (HUBs), minority or women-owned or disadvantaged businesses enterprises (M/W/DBE) are encouraged to participate in the solicitation process.

NCTCOG recognizes the certifications of most agencies. HUB vendors must submit a copy of their certification for consideration during the evaluation of their proposal. Please attach the copy to this form. This applies only to the Offeror and not a subcontractor.

Texas vendors who are not currently certified are encouraged to contact either the Texas United Certification Program, State of Texas HUB Program, or the North Central Texas Regional Certification Agency, among others. Contact:

State of Texas HUB Program
Texas Comptroller of Public Accounts
Lyndon B. Johnson State Office Building
111 East 17th Street
Austin, Texas 78774
(512) 463-6958
<http://www.window.state.tx.us/procurement/prog/hub/>

North Central Texas Regional Certification Agency
624 Six Flags Drive, Suite 100
Arlington, TX 76011
(817) 640-0606
<http://www.nctrca.org/certification.html>

Texas United Certification Program
USDOT website at
<https://www.transportation.gov/DBE>

You must include a copy of your certification document as part of this solicitation to receive points in the evaluation.

Vendor to Sign Below to Attest to Validity of Certification: **Not applicable.**

PRE LLC, dba Pangiam, a BigBear.ai Company

Vendor Name

CC65986453F84C1...

Authorized Signature

Ha McNeill

12/6/2024

Typed Name

Date

Not applicable.

**ATTACHMENT X: 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.

**PROHIBITED TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT
CERTIFICATION**

This Contract is subject to the Public Law 115-232, Section 889, and 2 Code of Federal Regulations (CFR) Part 200, including §200.216 and §200.471, for prohibition on certain telecommunications and video surveillance or equipment. Public Law 115-232, Section 889, identifies that restricted telecommunications and video surveillance equipment or services (e.g., phones, internet, video surveillance, cloud servers) include the following:

- A) Telecommunications equipment that is produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliates of such entities).
- B) Video surveillance and telecommunications equipment produced by Hytera Communications Corporations, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliates of such entities).
- C) Telecommunications or video surveillance services used by such entities or using such equipment.
- D) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, Director of the National Intelligence, or the Director of the Federal Bureau of Investigation reasonably believes to be an entity owned or controlled by the government of a covered foreign country. The entity identified below, through its authorized representative, hereby certifies that no funds under this Contract will be obligated or expended to procure or obtain telecommunication or video surveillance services or equipment or systems that use covered telecommunications equipment or services as a substantial or essential component of any system, or as a critical technology as part of any system prohibited by 2 CFR §200.216 and §200.471, or applicable provisions in Public Law 115-232 Section 889.

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

Signed by:

Ha McNeill

SIGNATURE OF AUTHORIZED PERSON:

Ha McNeill

NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

PRE LLC, dba Pangiam, a BigBear.ai Company

DATE:

12/6/2024

-OR-

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

SIGNATURE OF AUTHORIZED PERSON:

NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

DATE:

DISCRIMINATION AGAINST FIREARMS ENTITIES OR FIREARMS TRADE ASSOCIATIONS

This contract is subject to the Texas Local Government Code chapter 2274, Subtitle F, Title 10, prohibiting contracts with companies who discriminate against firearm and ammunition industries. TLGC chapter 2274, Subtitle F, Title 10, identifies that “discrimination against a firearm entity or firearm trade association” includes the following:

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

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

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

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

SIGNATURE OF AUTHORIZED PERSON:

Signed by:
Ha McNeill
CC66086453F84C1...

NAME OF AUTHORIZED PERSON:

Ha McNeill

NAME OF COMPANY:

PRE LLC, dba Pangiam, a BigBear.ai Company

DATE:

12/6/2024

-OR-

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

SIGNATURE OF AUTHORIZED PERSON:

NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

DATE:

BOYCOTTING OF CERTAIN ENERGY COMPANIES

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

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

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

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

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

SIGNATURE OF AUTHORIZED PERSON:

Signed by:

CC65986453E84C1

NAME OF AUTHORIZED PERSON:

Ha McNeill

NAME OF COMPANY:

PRE LLC, dba Pangiam, a BigBear.ai Company

DATE:

12/6/2024

-OR-

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

SIGNATURE OF AUTHORIZED PERSON:

NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

DATE:

EXHIBIT 1: SERVICE DESIGNATION AREAS

Texas Service Area Designation or Identification			
Proposing Firm Name:	PRE LLC, dba Pangiam, a BigBear.ai Company		
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 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 1 continued on next page)

(Exhibit 1 continued)

Nationwide Service Area Designation or Identification Form			
Proposing Firm Name:		PRE LLC, dba Pangiam, a BigBear.ai Company	
Notes:		Indicate in the appropriate box whether you are proposing to provide service to all Fifty (50) States.	
		Will service all fifty (50) states	Will not service fifty (50) states
		<input checked="" type="checkbox"/>	<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		
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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 1

End of Response