

TxDOT:				Federal Highway Administration:	
CCSJ #	0902-00-303	AFA ID	Z00002300	CFDA No.	20.205
AFA CSJs	0902-00-303			CFDA Title	Highway Planning and Construction
District #	02	Code Chart 64#	61920		
Project Name	Integrated Transportation Storm Water			<i>AFA Not Used For Research & Development</i>	

THE STATE OF TEXAS §

THE COUNTY OF TRAVIS §

ADVANCE FUNDING AGREEMENT
For
SURFACE TRANSPORTATION BLOCK GRANT PROGRAM PROJECT
Off-System

AMENDMENT #1

THIS AMENDMENT is made by and between the State of Texas, acting through the **Texas Department of Transportation**, called the “State”, and the **North Central Texas Council of Governments**, acting by and through its duly authorized officials, called the “Local Government”. The State and Local Government shall be collectively referred to as “the parties” hereinafter.

WITNESSETH

WHEREAS, the parties executed a contract on **January 20, 2022** to effectuate their agreement to implement the **Integrated Transportation Storm Water Management Study within the Clear Fork, Elm Fork, and West Fork Trinity River Watersheds**; and,

WHEREAS, it has become necessary to amend that contract in order to **extend the term of the Agreement to allow sufficient time to complete the scope of services**;

NOW THEREFORE, in consideration of the premises and of the mutual covenants and agreements of the parties, the parties do agree as follows:

AGREEMENT

1. **Article 1**, Period of the Agreement, is amended to extend the termination date from **August 31, 2024** to **August 31, 2026** due to **the complexity of the project, many interconnected scope activities, and to match with the end dates of other agreements associated with the project so that all project activities can continue.**

Attachment B, Scope of Work, is deleted in its entirety and replaced with **Attachment B-1, Scope of Work**, which is attached to and made part of this Amendment. **The scope of work has been amended to reflect the new termination date of the project.**

All other provisions of the original contract are unchanged and remain in full force and effect.

TxDOT:				Federal Highway Administration:	
CCSJ #	0902-00-303	AFA ID	Z00002300	CFDA No.	20.205
AFA CSJs	0902-00-303			CFDA Title	Highway Planning and Construction
District #	02	Code Chart 64#	61920		
Project Name	Integrated Transportation Storm Water			AFA Not Used For Research & Development	

Signatory Warranty

Each signatory warrants that the signatory has necessary authority to execute this agreement on behalf of the entity represented.

Each party is signing this Agreement on the date stated under that party’s signature.

THE STATE OF TEXAS

DocuSigned by:

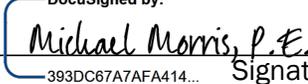
 F1CDA80FDB8C4B6... Signature

Kenneth Stewart
 Typed or Printed Name

Director of Contract Services
 Typed or Printed Title

5/12/2024
 Date

THE LOCAL GOVERNMENT

DocuSigned by:

 393DC67A7AFA414... Signature

Michael Morris, P.E.
 Typed or Printed Name

Director of Transportation
 Typed or Printed Title

5/9/2024
 Date

TxDOT:				Federal Highway Administration:	
CCSJ #	0902-00-303	AFA ID	Z00002300	CFDA No.	20.205
AFA CSJs	0902-00-303			CFDA Title	Highway Planning and Construction
District #	02	Code Chart 64#	61920		
Project Name	Integrated Transportation Storm Water			AFA Not Used For Research & Development	

ATTACHMENT B-1 SCOPE OF WORK

The Integrated Planning for Regional Transportation, Development, and Stormwater Management Project is a comprehensive planning effort that coordinates transportation, stormwater management, and environmental planning to address health, safety, and welfare concerns while helping local governments manage growth and development.

The North Central Texas Council of Governments (the Local Government) will be the lead agency for the project, providing oversight, administration, and leadership, in cooperation with partner organizations (US Army Corps of Engineers, Texas A&M AgriLife, University of Texas Arlington, Tarrant Regional Water District, Texas Water Development Board and the General Land Office) and technical advisors. This project contained in this work scope will be integrated in a broader work plan that includes funding from the Texas Water Development Board.

Local Government shall accomplish the project goal by monitoring, performing and/or managing the following key scope of work tasks. The Local Government shall utilize internal resources on a cost reimbursement basis (in accordance with applicable State and federal requirements) to perform services under this Agreement. The Local Government shall also utilize the resources of one or more consultant(s) to for performance of work under this Agreement. The Local Government has a federally compliant procurement procedure, which has been approved by the State. The Local Government may also award subrecipient agreements through one or more strategic selections. The Local Government will request State pre-approval of any consultant contract(s) or subrecipient agreements. The State will respond within fourteen (14) days for all pre-approval requests. If the State does not respond, the Local Government has the authority to proceed.

Task 1. Project Monitoring and Management: Representative activities the Local Government shall perform under this task include:

- 1.1 Advertise and select consultant(s) to perform the aspects of the scope of work in this Agreement, as needed.
- 1.2 Develop a consultant agreement from the selected firm and upon obtaining State pre-approval of the agreement (if needed) and execute the agreement.
- 1.3 Manage and monitor consultant to include providing directions, coordinating meetings and schedules, approving invoices and project purchases, and reviewing progress reports.
- 1.4 Distribute consultant project updates to relevant committees, local government partners and the general public.
- 1.5 Develop and execute necessary agreements with subrecipients (e.g., a university and the United States Army Corps of Engineers) to conduct an optimization study, obtain State pre-approval, and execute the agreement.
- 1.6 Manage and monitor subrecipient to include providing directions, coordinating meetings and schedules, approving invoices and project purchases, and reviewing progress reports.
- 1.7 Distribute subrecipient project updates to relevant committees, local government partners, and the general public.

TxDOT:				Federal Highway Administration:	
CCSJ #	0902-00-303	AFA ID	Z00002300	CFDA No.	20.205
AFA CSJs	0902-00-303			CFDA Title	Highway Planning and Construction
District #	02	Code Chart 64#	61920		
Project Name	Integrated Transportation Storm Water			<i>AFA Not Used For Research & Development</i>	

- 1.8 Fulfill all administrative requirements to ensure compliance with 2 CFR 200, including general project oversight and coordination, coordination meetings, development and maintenance of project website, invoicing and financial accounting, risk and compliance assessments, presentations, and reports.
- 1.9 Coordinate and maintain regular contact with the State project manager through the life of the project.

Task 1 Deliverables: The Local Government shall provide to the State during Task 1:

- a. Monthly progress reports summarizing activities performed or completed during the previous month.
- b. Copy of draft and executed contract with selected consultant(s), if applicable, within 60 days of execution of the consultant contract(s).
- c. Copy of draft and executed agreements with subrecipient(s), if applicable, within 60 days of execution of the subrecipient agreement(s).
- d. Copy of draft and executed agreements between partner agencies, within 60 days of execution of the partner agreement(s).
- e. Copy of Project Progress Report to North Central Texas Congressional Delegation by August 31, 2025.
- f. Consultant’s final technical report(s) for the study by August 31, 2026.
- g. Subrecipient’s final technical report(s) for the study by August 31, 2026.

Task 2. Data Collection and Analysis. Representative activities the Local Government shall perform under this task include:

- 2.1 Comprehensive literature review to document similar studies completed elsewhere, including best practices and lessons learned.
- 2.2 Creation of a Project Data Inventory, including collection of relevant, existing data for the entire project area, and identification of datasets that are not available, but desired/needed.
- 2.3 Development and coordination of GIS layers encompassing the entire project area.

Task 2 Deliverables: The Local Government shall provide to the State the following Task 2 deliverables:

- a. Monthly progress reports summarizing activities performed or completed during the previous month.
- b. Literature Review Report and case studies by February 28, 2025.
- c. Memo documenting needed/desired datasets by February 28, 2025.
- d. Memo documenting detailed metadata for acquired datasets by February 28, 2025.
- e. Final maps and data sets for inclusion in reports, documents, presentations, models, etc.

Task 3. Stakeholder Engagement. Representative activities the Local Government shall perform under this task include:

- 3.1 Establishment of a Technical Advisory Group and other advisory groups, as necessary.
- 3.2 A series of site visits to cities, towns, and/or counties to facilitate input, training, outreach, and coordination; six training workshops throughout the project area; on-going

TxDOT:				Federal Highway Administration:	
CCSJ #	0902-00-303	AFA ID	Z00002300	CFDA No.	20.205
AFA CSJs	0902-00-303			CFDA Title	Highway Planning and Construction
District #	02	Code Chart 64#	61920		
Project Name	Integrated Transportation Storm Water			AFA Not Used For Research & Development	

- coordination and collaboration meetings with project partners and stakeholders; public meetings, as needed, in collaboration with affected cities, counties, and other partner agencies; and a Regional Project Update Workshop approximately once per year.
- 3.3 Creation of engagement assets, such as a Frequently Asked Questions and Answers document, brochures, public awareness campaigns, local government and partner recognition programs, and/or other strategies.
 - 3.4 Purchase program outreach and education materials consistent with developed campaign strategy and compliance with 2 CFR 200.
 - 3.5 Analyze effectiveness of the program outreach and education strategies implemented.

Task 3 Deliverables: The Local Government shall provide to the State the following Task 3 deliverables:

- a. Monthly progress reports summarizing activities performed or completed during the previous month.
- b. List of Technical Advisory Group members, meeting agendas, summaries, etc. by August 31, 2025 and annually thereafter until project completion.
- c. Approximately six site visits and associated documentation by August 31, 2026.
- d. Approximately six training workshops and associated documentation by August 31, 2026.
- e. At least three Regional Project Update Workshops and associated documentation, by August 31, 2026.
- f. Samples of program outreach and education materials by August 31, 2026.

Task 4. Integrated Transportation, Stormwater, and Environmental Planning.

Representative activities the Local Government shall perform under this task include:

- 4.1 Completion of project area hydrology and hydraulics assessment and scenario development, including analysis of current vs. future conditions.
- 4.2 Identification of existing and future transportation facilities that are at risk of flooding based on future development scenarios, as well as those facilities critical for capacity and operational optimization in addressing flood event resiliency, to support, among other things, appropriate design criteria for existing and future infrastructure investments.
- 4.3 Identification and incorporation of the long-term impacts, costs, and vulnerabilities from flood risks to transportation infrastructure through the development of a lifecycle cost analysis for vulnerable infrastructure.
- 4.4 Evaluation of short- and long-term land use and transportation regulatory tools, green infrastructure applications, and adaptability strategies that may mitigate flooding and improve asset durability. This will include the evaluation of existing transportation infrastructure certification programs equivalent to LEED Certification and identification of opportunities to enhance those certifications to reduce stormwater runoff and/or enhance water quality.
- 4.5 Test scenarios of flood control and mitigation best practices measures, land use strategies, environmental features, and environmentally sustainable design applications, to identify benefits and impacts.
- 4.6 Development of performance measures and evaluation criteria to inform transportation project selection and prioritization for future regional transportation plans.

TxDOT:				Federal Highway Administration:	
CCSJ #	0902-00-303	AFA ID	Z00002300	CFDA No.	20.205
AFA CSJs	0902-00-303			CFDA Title	Highway Planning and Construction
District #	02	Code Chart 64#	61920		
Project Name	Integrated Transportation Storm Water			AFA Not Used For Research & Development	

- 4.7 Development of delivery, management, technology, and maintenance strategies to improve operational capabilities, enable practicable redundancies, and reduce risk of flooding for prioritized low-lying facilities.
- 4.8 Stormwater infrastructure/flood control structures optimization study, including modeling ideal locations and sizing for smaller/regional ponds and drainage/flood control structures, considering more than just the 100-year event.
- 4.9 Determination of how transportation and stormwater infrastructure can be integrated, which may include embankment compositions and discharge appurtenances that would allow roadways and their rights-of-way/easements to be used to form detention structures.
- 4.10 Identify and explore potential partners and tools that can integrate flooding/emergency management information into transportation routing/navigation tools in order to improve safety and operations.
- 4.11 Develop a high-level strategy map that delineates preferred or optimal locations to conserve/preserve or restore in order to reduce stormwater runoff, improve water quality, mitigate heat island effects, etc., by identifying appropriate type, location and size of green stormwater infrastructure (GSI) and other nature-based solutions (NBS).
- 4.12 Develop a GSI and NBS suitability index.
- 4.13 Develop cost-benefit and return-on-investment information on GSI and NBS practices for use by local government decision makers, including the potential to reduce operation and maintenance expenses for transportation and other infrastructure through reduction of channel erosion and sediment transport.
- 4.14 Develop a funding strategy toolbox for use by local governments and partners for implementation of identified projects.
- 4.15 Determine how availability and use of proposed resources/tools may impact National Environmental Policy Act (NEPA) documentation and decision-making at the project level.
- 4.16 Evaluate opportunities to enhance existing real-time flood forecasting and warning system/s, including recommendations on equipment, resources, and organizational requirements.
- 4.17 Development of model regulatory tools that cities and counties could integrate into their existing development and planning processes regarding land management, conservation, preservation, stormwater management, etc.

Task 4 Deliverables: The Local Government shall provide to the State by August 31, 2026 the following Task 4 deliverables:

- a. Monthly progress reports summarizing activities performed or completed during the previous month.
- b. Final Plan content describing updated hydrologic and hydraulic (H&H) models.
- c. Final Plan content identifying lifecycle benefit-cost analysis and impact assessment frameworks for vulnerable transportation infrastructure, incorporating long-term impacts, costs, and vulnerabilities from flood risks.
- d. Final Plan content evaluating land use tools, best development practices, strategy impacts of green infrastructure and other adaptation measures, including the enhancement of a green transportation certification process.
- e. List of performance measures, evaluation criteria, and benefit-cost ratio methodologies to inform transportation project selection.

TxDOT:				Federal Highway Administration:	
CCSJ #	0902-00-303	AFA ID	Z00002300	CFDA No.	20.205
AFA CSJs	0902-00-303			CFDA Title	Highway Planning and Construction
District #	02	Code Chart 64#	61920		
Project Name	Integrated Transportation Storm Water			AFA Not Used For Research & Development	

- f. Final Plan content explaining delivery, management, technology, and maintenance strategies for improving operational capabilities, enabling practicable redundancies, and reducing flood risk.
- g. Maps of future vulnerable areas, critical facilities, and locations for potential mitigation strategies, as a tool to identify design criteria for infrastructure investments.
- h. Final Plan content describing opportunities for integrating stormwater and transportation infrastructure, including options for utilizing transportation infrastructure and rights-of-way/easements in stormwater detention and to improve water quality.
- i. Final Plan content assessing opportunities to integrate navigation systems with flooding/emergency management systems in real-time.
- j. High-level strategy maps that identify potential type, location, and size of GSI and NBS approaches.
- k. GSI and NBS suitability index parameters.
- l. Final Plan content appraising economic return-on-investment (ROI) data to be incorporated into an online tool or map for GSI and NBS applications and fact sheets illustrating project economics.
- m. Final Plan content identifying and examining funding strategies for use by local governments and partners.
- n. Final Plan content investigating enhancements to existing real-time flood warning system/s.
- o. Model development codes and recommended floodplain management ordinances.

Task 5. Project Replication. Representative activities the Local Government shall perform under this task include

- 5.1 Documentation of the processes developed throughout the project, including data, methods, tools, templates, analyses, and practices required to integrate transportation and stormwater infrastructure planning, such that the project can be replicated elsewhere.

Task 5. Deliverables:The Local Government shall provide to the State by August 31, 2026 the following Task 5 deliverables:

- a. Monthly progress reports summarizing activities performed or completed during the previous month.
- b. Final Plan content documenting the standard processes, methods, tools, templates, and analyses for replication of the project activities.

Task 6: Draft and Final Plan. Representative activities the Local Government shall perform under this task include

- 6.1 Document the work completed into a single draft report including comments and recommendations from the public and stakeholders.
- 6.2 Publish a draft and final Upper Trinity River Basin Transportation-Stormwater Infrastructure Plan, documenting findings and recommendations, challenges to implementation, outcomes and lessons learned, best practices, and measurable results.

TxDOT:				Federal Highway Administration:	
CCSJ #	0902-00-303	AFA ID	Z00002300	CFDA No.	20.205
AFA CSJs	0902-00-303			CFDA Title	Highway Planning and Construction
District #	02	Code Chart 64#	61920		
Project Name	Integrated Transportation Storm Water			<i>AFA Not Used For Research & Development</i>	

Task 6 Deliverables: The Local Government shall provide to the State during Task 6:

- a. Monthly progress reports summarizing activities performed or completed during the previous month.
- b. Draft report by August 31, 2026.
- c. Proposed or actual documents adopting the findings and recommendations by the Local Government and partner agencies by August 31, 2026.
- d. A final report within 90 days of August 31, 2026.

Invoicing: Throughout the duration of this Agreement, the Local Government shall submit to the State at least quarterly:

Invoices identifying hours worked by individual, hourly rate, indirect cost rate, activities performed, itemized costs for materials and expenses, and an itemized invoice for consultant services (if any).

Closeout: The Local Government shall submit a summary of completed project elements with a final invoice to the State. Within sixty (60) days of final reimbursement from the State, the Local Government will process a Notice of Project Completion to the State.