

REQUEST FOR PROPOSALS

Engineering Services to Support the Transportation and Stormwater Infrastructure (TSI) Hydrologic & Hydraulic Assessment

Pre-Proposal Conference

January 5, 2024

Agenda

Introductions/Agenda Overview

Project Background

Overview of the Scope of Work

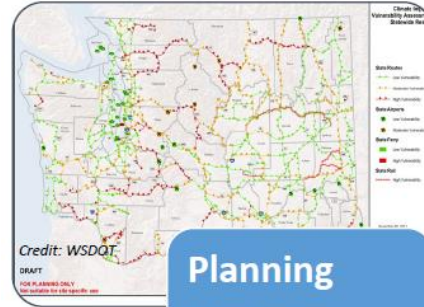
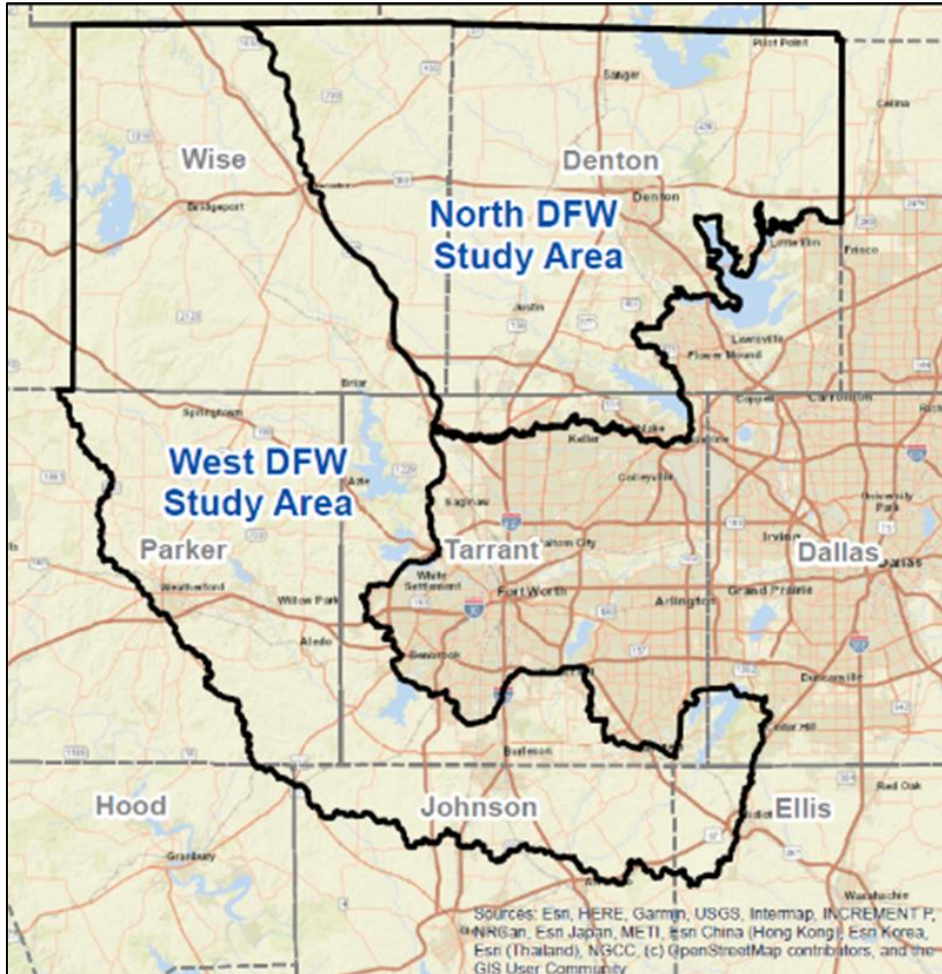
Request for Proposals (RFP) Administrative Requirements

Disadvantaged Business Enterprise (DBE) Participation, Consultant Selection
Criteria, Submittal Requirements and Schedule

Questions and Answers

Background

Integrating Transportation and Stormwater Infrastructure (TSI)



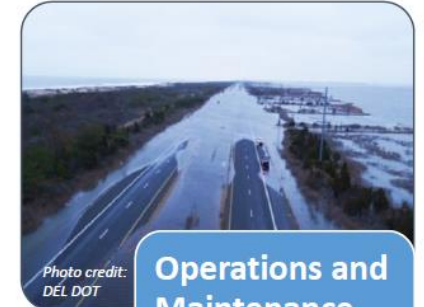
Planning

- Long Range Transportation Plans
- Asset Management Plans



Project Level

- Environmental Processes
- Engineering
- Design



Operations and Maintenance

- Emergency Response

- **Project Lead:** NCTCOG is lead agency for project with subrecipients
- **Subrecipients:** US Army Corps of Engineers, Tarrant Regional Water District, Texas A&M AgriLife, University of Texas at Arlington
- **Timeline & Budget:** 3 years and \$6 million
- **Funders:** Texas Water Development Board, Federal Highway Administration, Texas Department of Transportation, Federal Emergency Management Agency

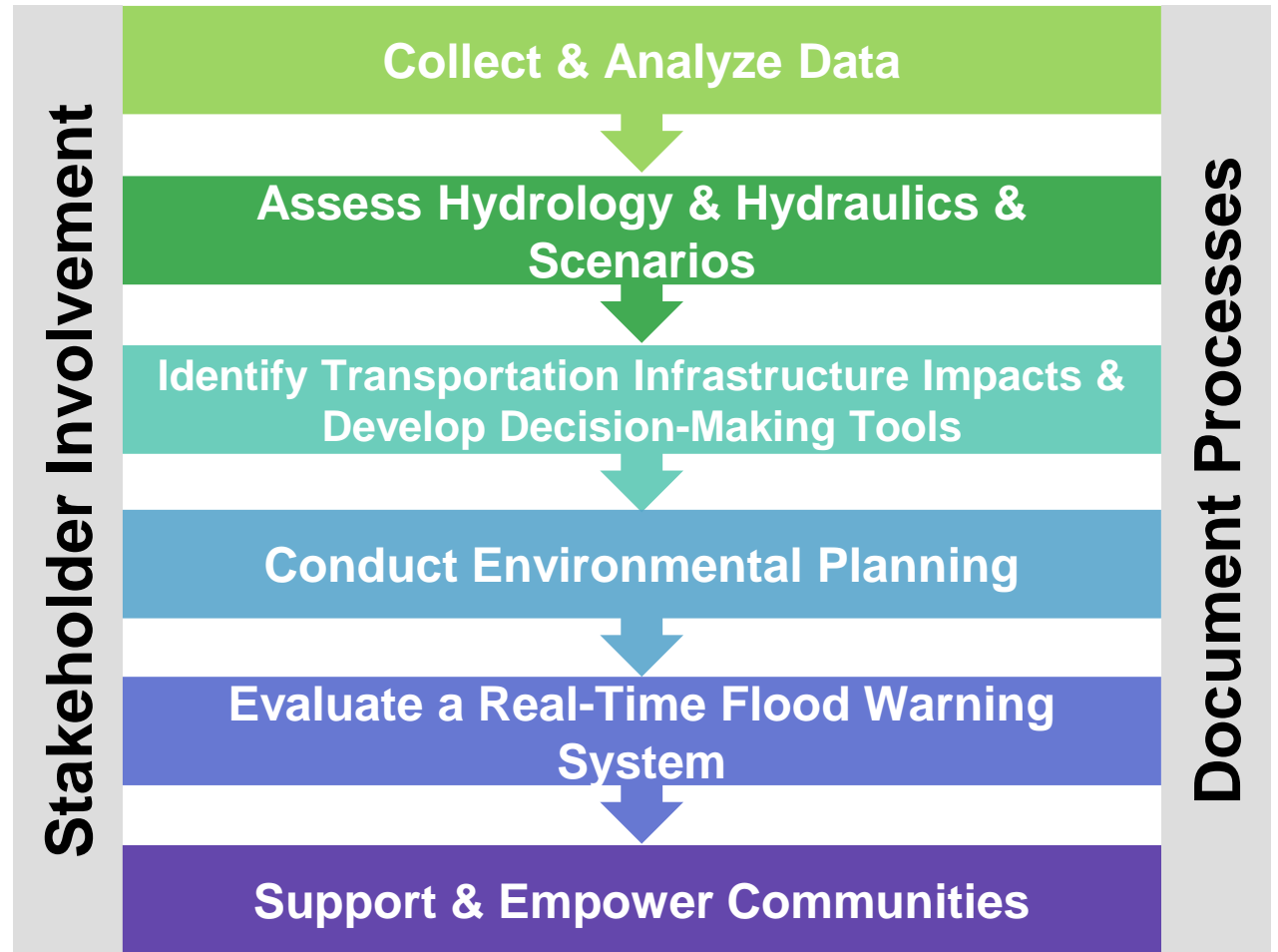
Background

Integrating Transportation and Stormwater Infrastructure (TSI), continued

The purpose of the TSI project is proactive vs. reactive integration of regional stormwater management, urban development, transportation, and environmental planning in the rapidly developing study area.

Goals & Outcomes:

- Integrate stormwater management, urban development, transportation, and environmental planning.
- Develop plan for risk awareness and resiliency.
- Identify impacts and alleviate risks from flooding.



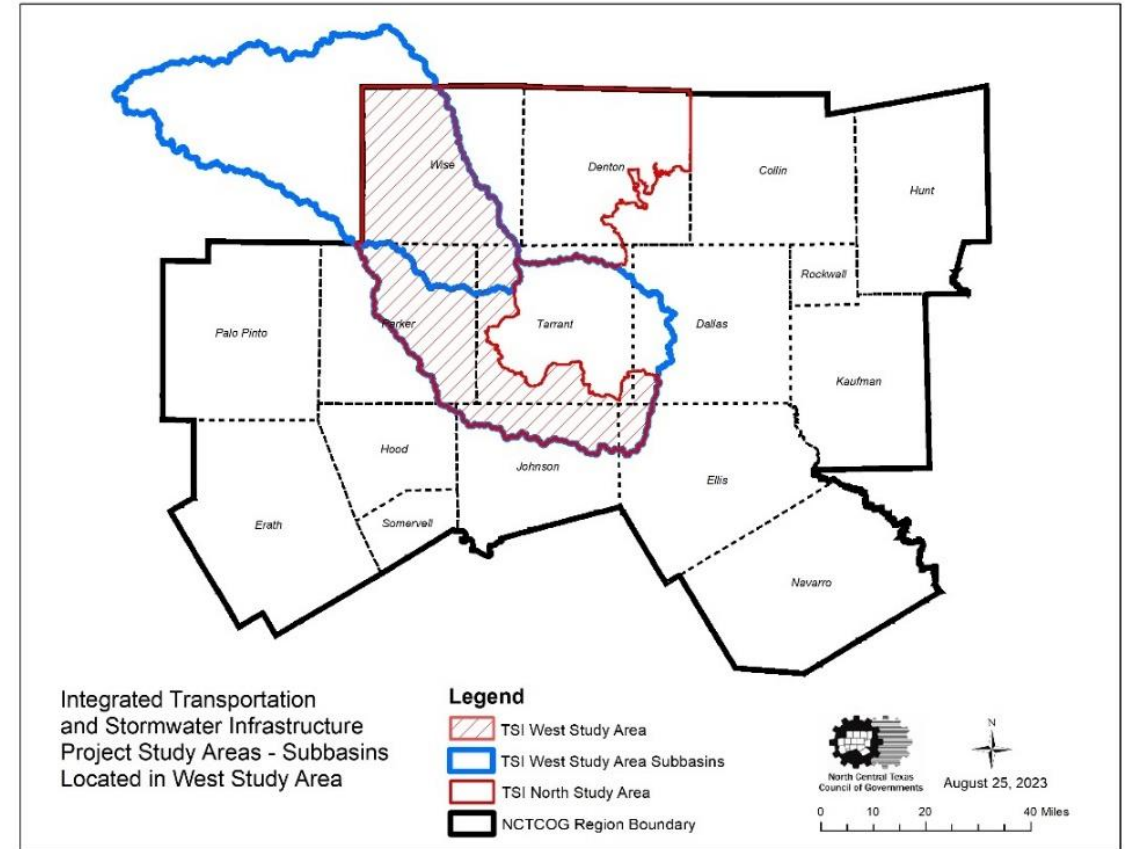
Scope of Work Overview

- Hydrologic Analyses
- Hydraulic Analyses
- Support for Planning to Integrate Transportation and Stormwater Infrastructure
- Documentation
- Project Management

NCTCOG will provide the foundational hydrologic and hydraulic datasets needed to complete these tasks, including the Interagency Flood Risk Management (InFRM) Watershed Hydrology Assessment and Base Level Engineering models, current/future land use information, hydraulic structure data, and other relevant information.

Scope of Work & Study Area

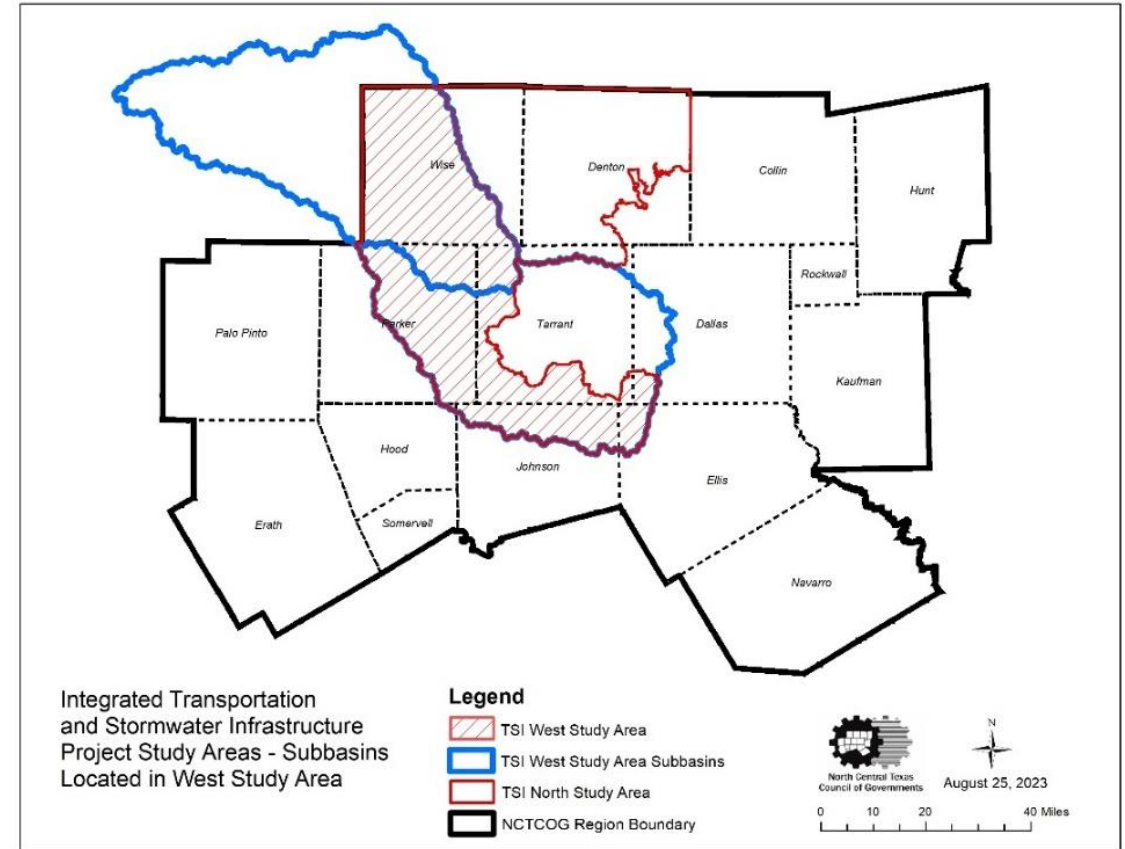
The selected consultant will replicate hydrologic and hydraulic methods and scripts developed by the US Army Corps of Engineers and University of Texas at Arlington to apply analyses to the TSI West Study Area for multiple scenarios and recurrence intervals. The consultant will help enhance hydrologic model output and add detail to hydraulic models. The consultant will serve as a reviewer for analyses and methods.




Scope of Work & Study Area, continued

The consultant also will provide support to analyses related to the vulnerability of transportation facilities, proposed nature-based solutions and green stormwater infrastructure, real-time flood warning systems, non-regulatory flood maps, and potential project alternatives related to regional flood planning.

The consultant will document their processes and provide quality assurance and quality control.






How long and high should this bridge be?

Evergreen Structures, LLC
Evergreen Structures - Engineering

How will this business be impacted by flooding?



What is a safe elevation for this electrical substation?

How will extreme storms affect this neighborhood?

Consultant Selection Criteria

Project Understanding	30%
Scope of Services	25%
Qualification of Project Manager and Staff	20%
Knowledge of the Dallas-Fort Worth Area	10%
Firm Qualifications/Consultant References	10%
Schedule	5%

DBE Participation Goal: 32%

The RFP was issued as a qualifications-based procurement. The most qualified firm will be selected, and then a fair and reasonable price will be negotiated. A price proposal will only be required from the firm determined to be the most qualified.

Submittal Requirements

One hard copy or one flash drive submitted in-hand by 5:00 pm on Friday, January 26, 2024.

In-hand submittal will count as the official submittal. Requesting electronic submission of proposal documents to TransRFPs@nctcog.org. Electronic submissions only will not be evaluated.

Pages limited to 17 double-sided pages (total of 34 pages)

Supplemental materials limited to five (5) double-sided pages (subtotal of 10 pages) of the total page count number

Cover letter and compliance requirements/required forms do not count towards page limits

RFP Schedule

RFP Published	December 15, 2023
Written Questions Due	December 22, 2023
Pre-Proposal Meeting	January 5, 2024
Response to All Questions	January 8, 2024
Proposals Due	January 26, 2024
Interviews (if needed)	Week of February 19, 2024
Contract Negotiations	February – March 2024
Executive Board (Contract Award)	March 28, 2024
Contract Execution (Anticipated)	April 2024

Questions?

Responses to all questions as of the end of the Pre-Proposal Conference will be posted on January 8, 2024, at www.nctcog.org/rfp