



North Houston Highway Improvement Project (NHHIP) Segment 3: I-69 (SH 288 to I-45S) Design-Build Project

Industry Workshop # 3 (Virtual)

Workshop Attendee Guidelines



- WebEx Video options will be turned off
- WebEx Chat capabilities will be turned off
- This workshop will not be recorded
- Attendees WebEx will be automatically muted until the Q&A segment of the Workshop



Safety: Mission

ZERO

#EndTheStreakTX



Safety Never Stops!



TEXAS DEPARTMENT OF TRANSPORTATION

ENDING THE STREAK IS IN OUR HANDS



Most crashes and fatalities are due to drunk driving, distracted driving or failure to use seat belts. In other words, they're preventable.

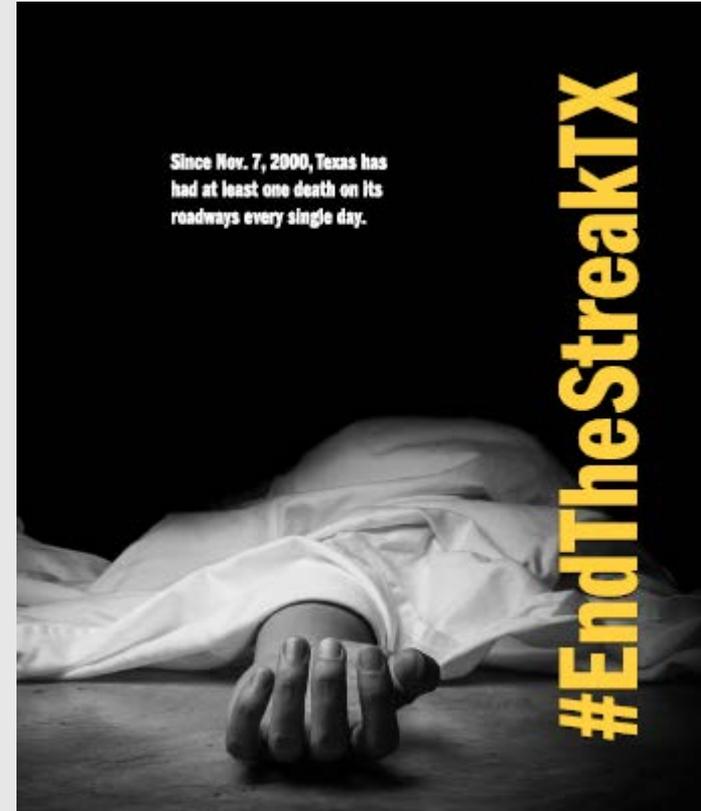
Here's what we can do:

- **Buckle up:** Seat belts are our first line of defense.
- **Drive the speed limit**, or slower, depending on road or weather conditions.
- Never drive under the influence of alcohol or drugs. **Plan a sober ride home.**
- When driving, **put the phone away** or set to "Do Not Disturb".

Let's "End The Streak" together!

Show your support for safer driving in Texas by reminding your fellow drivers of our shared responsibility.

**Today we are
38 days out from an unwanted
20th anniversary.**





■ Welcome to the 3rd NHHIP Segment 3 Industry Workshop

- This workshop will provide a brief overview of the Project and focus on the changes presented in the RFQ Addendum #3
- Not enough Qualification Statements (Qs) were received with RFQ Addendum #2 to have a competitive procurement under the previous scope
- Scope and complexity for proposed NHHIP has been revised to encourage increased competition
- The presentations of the previous Industry Workshops can be found at:

<https://www.txdot.gov/inside-txdot/division/debt/strategic-projects/alternative-delivery/nhhip-seg3/rfq.html>



Table of Contents



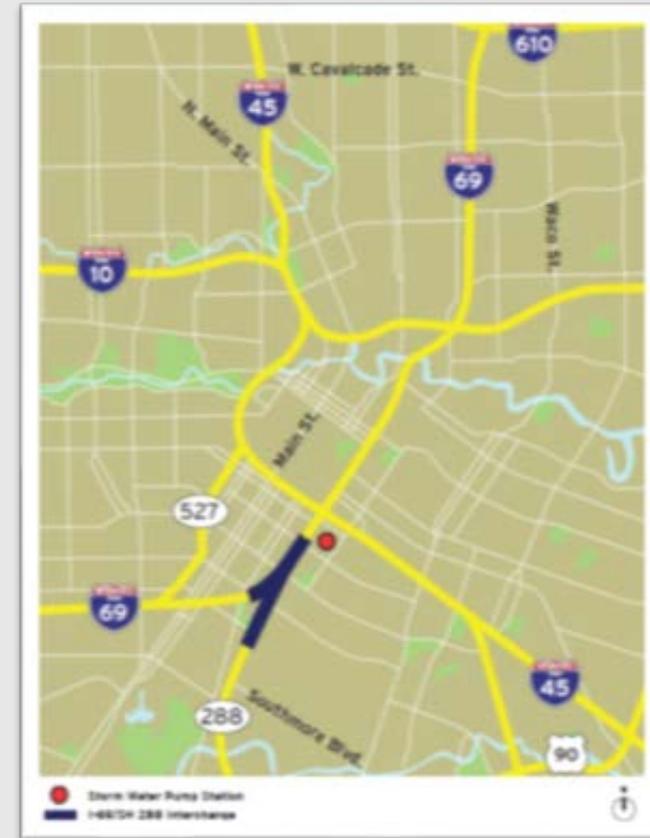
1	Project Overview	7 – 13
2	Project Status	14 – 17
3	Project Challenges	18 – 19
4	Design-Build Procurement Process	20 – 33

NHHIP SEGMENT 3: I-69 (SH 288 TO I-45S) – PROJECT OVERVIEW

NHHIP Segment 3: I-69 (SH 288 to I-45S) – Project Split Overview



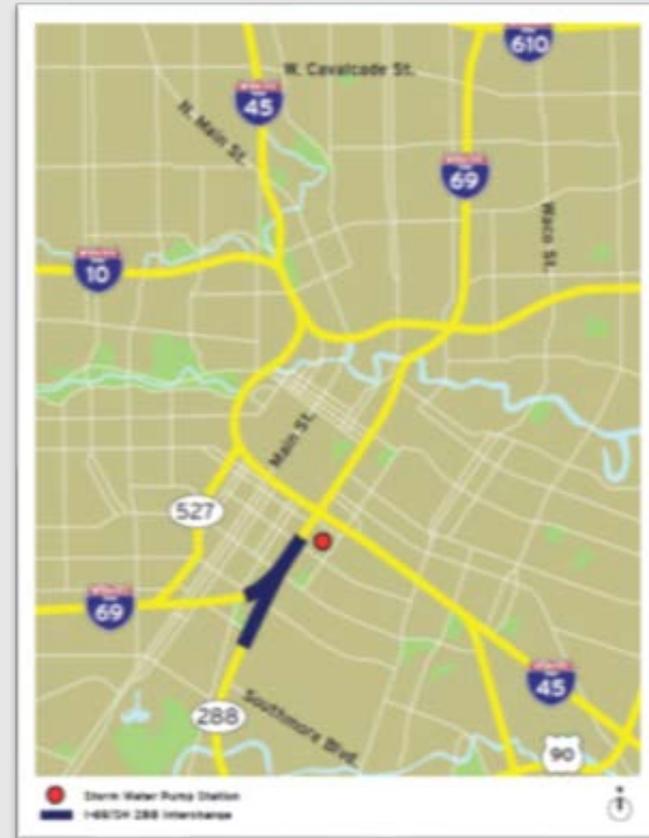
- NHHIP Segment 3 will be divided into multiple projects:
 - **Revised Design-Build Project: I-69 (SH 288 to I-45S) DB Project**
- Need for proposed Project:
 - Existing congestion
 - Future increases in population and employment
 - Future traffic growth
 - Outdated design elements
 - Aging infrastructure
- Purpose of proposed Project:
 - Apply current design standards to enhance safety
 - Mitigate congestion by improving mobility and operational efficiency



NHHIP Segment 3: I-69 (SH 288 to I-45S) – Project Objectives



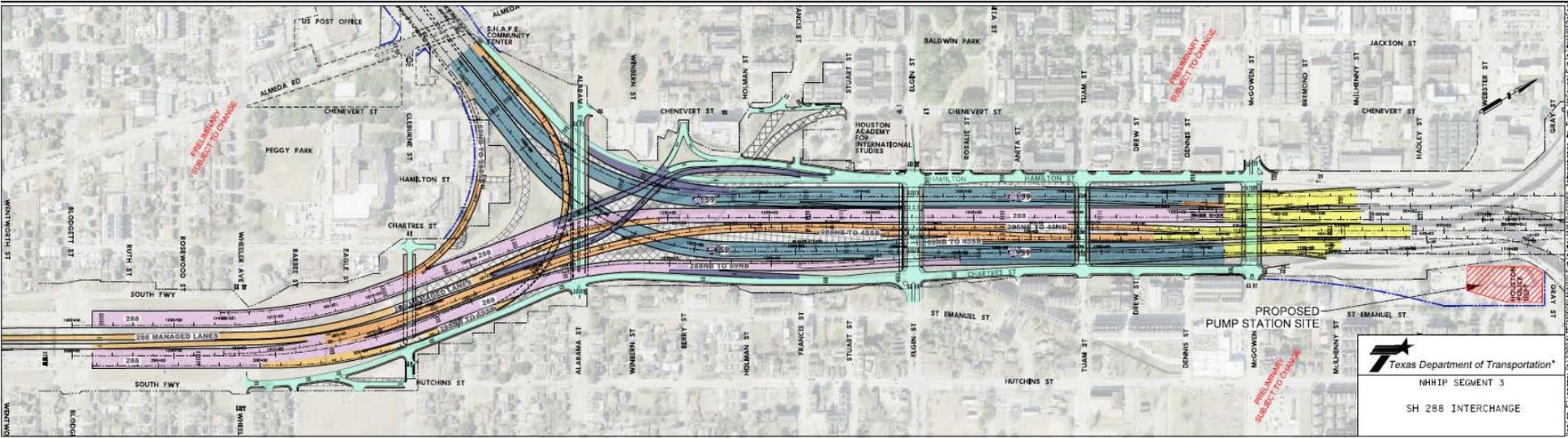
- **Project objectives for I-69 (SH 288 to I-45S) DB Project:**
 - Enable economic opportunities
 - Deliver Project on schedule and within budget
 - Provide highest quality design & construction
 - Maintain consistent communication & commitments to public & stakeholders
 - Facilitate Disadvantaged Business Enterprise (DBE) participation
 - Deliver Project in environmentally sensitive manner consistent with environmental approvals
 - Increase operational efficiency
 - Provide aesthetically pleasing Project





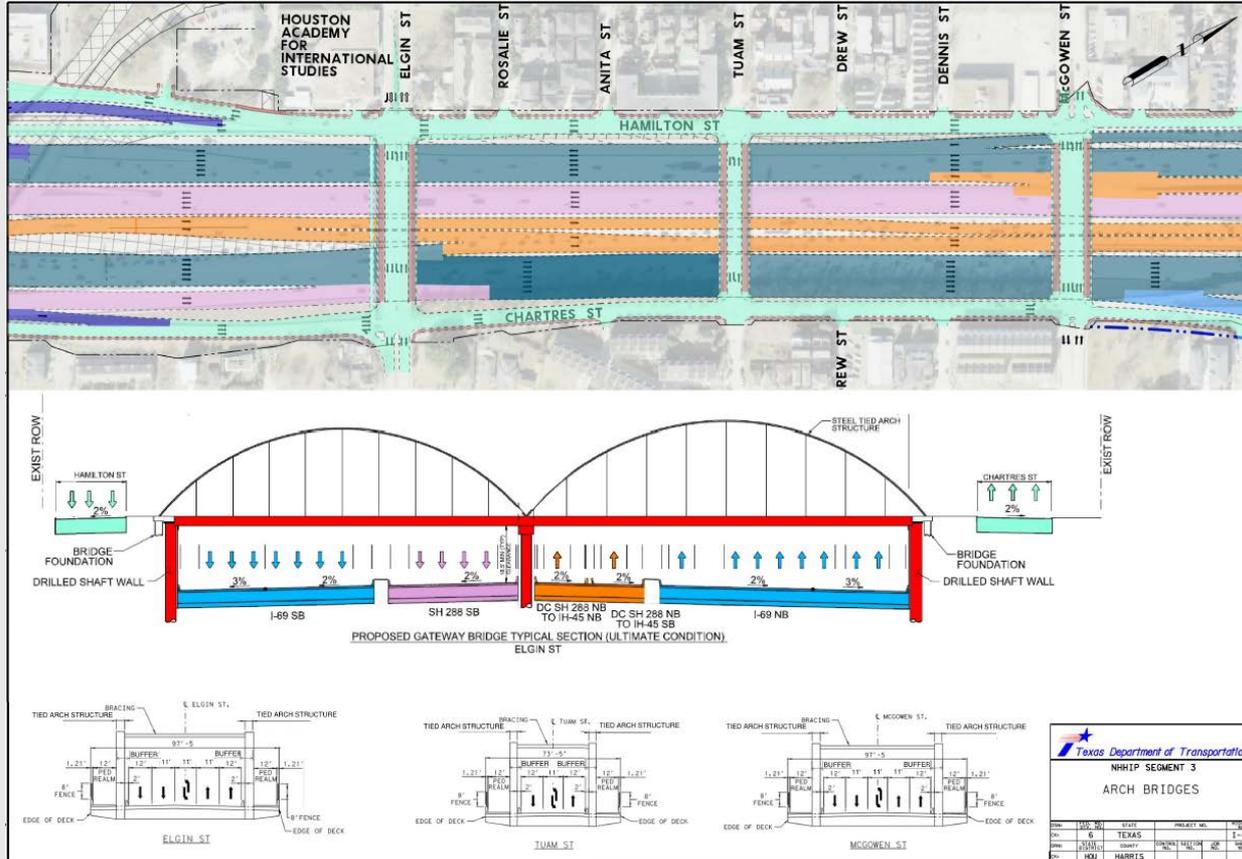
- **Project Scope for I-69 (SH 288 to I-45S) Design-Build Project:**
 - Design, construct, and maintain the I-69 (SH 288 to I-45S) Design-Build Project, which is part of Segment 3 of the NHHIP Design-Build (DB) Project in downtown Houston as shown in the schematic design totaling approximately 1.5 miles in length, including:
 - Reconstructing the interchange including the direct connectors to and from I-69 and SH 288;
 - Reconstructing the SH 288 general purpose lanes from Wheeler Street to I-69 including ramping modifications to and from the existing SH 288 Managed Lanes;
 - Reconstructing and widening the depressed I-69 and SH 288 general purpose lanes from Almeda Drive to McGowen;
 - Reconstructing cross street bridges over I-69 at Alabama, Elgin, Tuam, and McGowen Streets;
 - Constructing frontage roads along SH 288 north of Cleburne;
 - Reconstructing Hamilton Street and Chartres Street within the Project ROW;
 - Constructing a new pump station at the Southwest corner of the I-45/I-69 Interchange including temporary outfall connections that will improve existing drainage conditions especially for the existing depressed I-69 and SH 288 mainlanes; and

NHHIP Segment 3: I-69 (SH 288 to I-45S) – Project Map

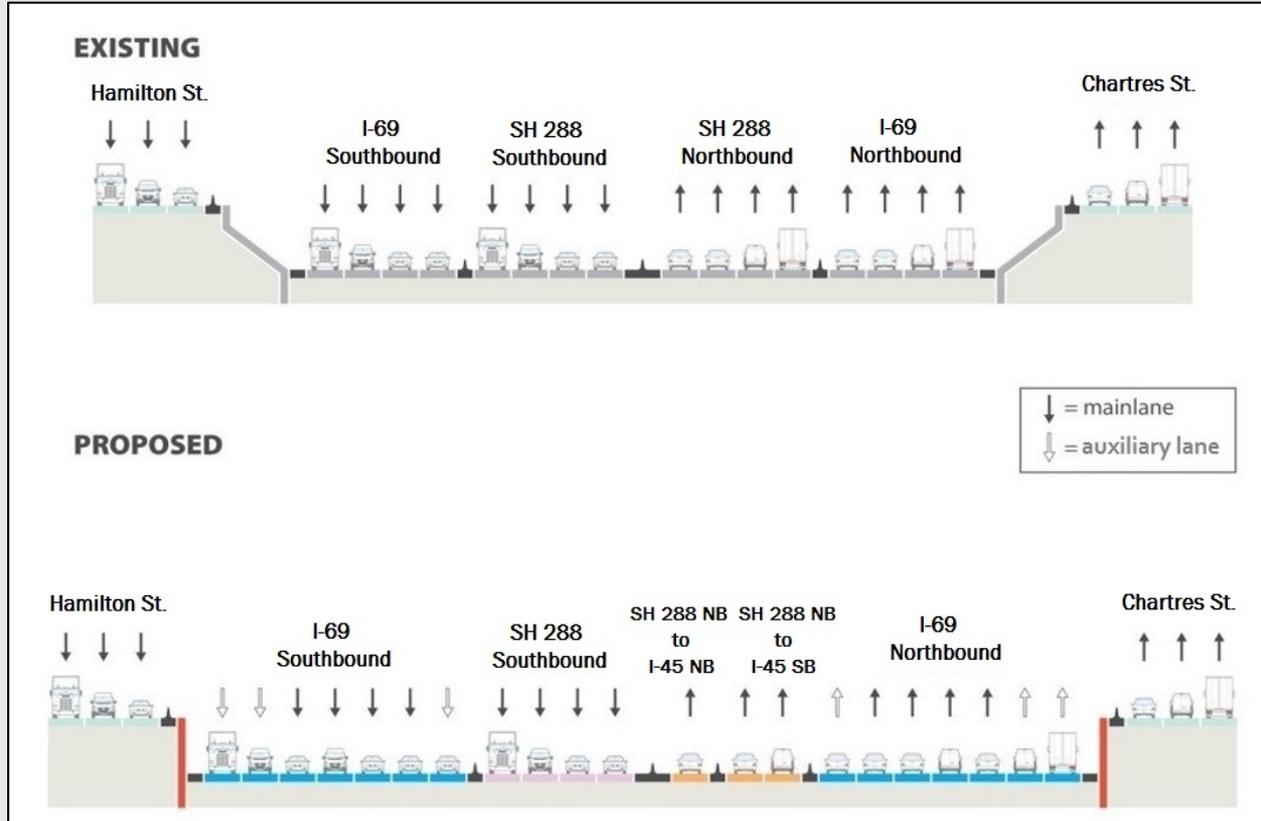


 Texas Department of Transportation
NHHIP SEGMENT 3
SH 288 INTERCHANGE

NHHIP Segment 3: I-69 (SH 288 to I-45S) – Arch Bridges



NHHIP Segment 3: I-69 (SH 288 to I-45S) – Proposed Lanes



NHHIP SEGMENT 3: I-69 (SH 288 TO I-45S) – PROJECT STATUS



▪ Contract Delivery Method

- I-69 (SH 288 to I-45S) to be delivered as a single scope, Design-Build project
- Anticipated 15-year (three 5-year terms) Capital Maintenance Contract (CMC)

▪ Project Cost Estimate

- Anticipated Design-Build Contract (DBC) cost of \$450 M

▪ Schematic Design

- A draft schematic of the entire NHHIP Segment 3 is currently under review by TxDOT and is provided in the Reference Information Documents (RIDS)
- A schematic exhibit for the I-69 (SH 288 to I-45S) DB Project is provided in the RIDS
- Schematic approval is anticipated prior to or in conjunction with completion of the environmental process
- Interstate Access Justification Report (IAJR) is under development
- Environmental schematic of the entire Segment 3 is located on the NHHIP website – www.ih45northandmore.com



■ Geotechnical

- TxDOT has provided extensive geotechnical reports in the RIDs
- TxDOT does not anticipate the need to provide additional geotechnical data for this project

■ Drainage

- TxDOT provided preliminary drainage reports at RFQ issuance
- TxDOT anticipates providing supplemental Segment 3 drainage data during RFP phase

■ Right of Way (ROW)

- TxDOT anticipates acquiring most of the ROW however may need ROW acquisition services from the DB Contractor on this project

■ Utilities

- TxDOT anticipates providing SUE level A, B, C, & D data, including a 3D GIS model, to shortlisted proposers
- DB Contractor will be responsible for performing or causing utility owners to perform all necessary utility relocations/adjustments in accordance with the Contract Documents



■ Environmental Clearance

- Draft Environmental Impact Statement (EIS) published April 2017 with Public Hearings in May 2017
- Final EIS including technical reports published at www.ih45northandmore.com
- Record of Decision (ROD) anticipated later this year

■ Hazardous Materials Investigations

- TxDOT has provided the results of hazardous materials investigations relating to the project with the environmental documents provided in the RIDs
- TxDOT is currently assessing if additional information will be collected

■ METRO Coordination

- TxDOT has begun preliminary coordination with METRO
- DB Contractor will assume coordination responsibilities at Contract Execution

NHHIP SEGMENT 3: I-69 (SH 288 TO I-45S) – PROJECT CHALLENGES

NHHIP Segment 3: I-69 (SH 288 to I-45S) – Project Challenges



- Maintenance of traffic during construction
- Utility relocations
- Maintenance of drainage during construction
- Access in/out of downtown during construction
- Construction phasing
- Access accommodation of existing facilities
- Public information & communications



**NHHIP SEGMENT 3: I-69 (SH 288 TO I-45S) –
DESIGN-BUILD PROCUREMENT PROCESS**



THE PROCUREMENT PROCESS



- Two step procurement process:
 - RFQ phase
 - RFP phase
- Qualification Statement (QS) Evaluations (Shortlisting) - How the QSs will be evaluated
 - Project Qualifications and Experience (47%)
 - Statement of Technical Approach (43%)
 - Safety Qualifications (10%)



Project Qualifications and Experience (47%)	Points
Experience with <u>designing</u> comparable projects	6
Experience with <u>constructing</u> comparable projects	6
Experience with performing <u>quality assurance</u> on comparable projects	6
Experience with <u>maintaining</u> comparable projects	4
Strength of the proposed <u>organization and management</u> structure	4
Experience of the proposed <u>Key Personnel</u> for the Project	17
Experience with <u>DBE</u> outreach and involvement and previous experience working with <u>DBEs</u>	4



Statement of Technical Approach (43%)	Points
Understanding of the Project’s scope and complexity	15
Understanding of the Project’s risks and potential solutions	15
Ability to plan, organize, and execute the independent quality assurance program	10
Ability to secure and integrate DBEs for a project of the size and complexity of this Project and provide potential solutions to address issues and challenges	3



Safety Qualifications (10%)	Points
Fatal injury rate per 100,000 full-time workers	3
Incidence rate of injury and illness cases per 100 full-time workers	4
National Council on Compensation Insurance (NCCI) experience modifier	3



■ Contractor Prequalification

- Valid letter required from Proposer entity indicating Total Bidding Capacity with QSs (Vol.2, Section D)
- Required from each Proposer, any Equity Member(s), & Guarantor(s)
- TxDOT will consider Proposer’s Aggregate Available Bidding Capacity when determining financial capability
 - **Aggregate Available Bidding Capacity** - the amount equal to the sum of the Available Bidding Capacity for each of the Proposer, Equity Member(s) and any Guarantor(s)
- TxDOT may require a plan from Proposer demonstrating how & when necessary Aggregate Available Bidding Capacity will be achieved



■ Contractor Prequalification

- Prequalification instructions are available at:
www.txdot.gov/business/contractors/contractor-prequalification.html
- A list of prequalified contractors can be found at:
<https://www.txdot.gov/insdtdot/orgchart/cmd/cserve/pqlist/PqListA.htm>
- To ensure expeditious analysis by TxDOT review staff:
 - Confidential Questionnaire must be filled out entirely
 - Financial data and audited financial statement should be organized within the document
 - Financial statements must be prepared for the qualifying entity
 - Financial statements, no older than one year, must be prepared by a CPA firm
 - If financial statements are prepared for the parent company, there must be a consolidating balance sheet reflecting the qualifying entity's numbers separately



■ DBE Information Forms

– Form J-1

- To be completed by each Proposer, Equity Member(s), Lead Contractor, Lead Engineering Firm, and any other entity providing engineering or construction experience in Forms D-1 & D-2
- To include information on up to 75 DBEs subcontracted within the last 3 years including a minimum of five completed Form J-1 for each Proposer Entity

– Form J-2

- Part I to be completed by each Proposer, Equity Member(s), Lead Contractor, Lead Engineering Firm, or any other entity providing engineering or construction experience in Forms D-1 & D-2
- Part II to be completed by the DBE entity
- TxDOT will randomly select DBE references identified in Form J-1 to send Form J-2 to for completion
- Completed forms will be used as TxDOT deems fit to supplement evaluation of the QSs
- The number of Forms J-1 received and the number Forms J-2 completed, or lack thereof, **will not** be considered during evaluations



- **The DBE Goals for this Project are:**

- 12.0% of the Price allocable to construction work less the cost of construction work performed by utility owners
- 20.0% of the Price allocable to professional services less the cost of professional services performed by utility owners



■ Tangible Net Worth

- Financial capability to carry out Project responsibilities is a Pass/Fail requirement of the QS evaluations
- While a number of factors are considered, Proposer must demonstrate a combined Tangible Net Worth of **\$75 Million** in order to pass

■ Payment & Performance Bonds

- QS shall contain evidence Proposer can obtain Payment & Performance Bonds each totaling **\$450 Million**
 - Form letter located in RFQ, Exhibit E – **will be updated in future RFQ Addendum #4**
 - Bonds will secure DB Contractor's obligations for entire Project



■ Organizational Conflicts of Interest

- Firms that are providing preliminary engineering or architectural services for the NHHIP Segment 3: I-69 (SH 288 to I-45S) Design-Build Project or have provided such services will be prohibited unless TxDOT has issued a written determination that all work product prepared by the firm and other information and data provided to the firm in the performance of the services has been or will be made available to all Proposers prior to the issuance of the final RFP
- Firms that are providing or have provided environmental services for the NHHIP Segment 3: I-69 (SH 288 to I-45S) Design-Build Project will be prohibited unless TxDOT has issued a written determination that the firm is not prohibited
- Firms that are providing procurement services will be prohibited from proposing or joining a Proposer team

Design-Build Procurement Process – Procurement Timeline



Milestone	Date*
RFQ Addendum 2 Issued	June 17, 2020
RFQ Addendum 3 Issuance	September 18, 2020
Record of Decision	December 2020
Qualification Statements Due	January 14, 2021
Shortlist	March 25, 2021
Issue Draft RFP	April 2021
Issue Final RFP	July 2021
Proposals Due	December 2021
Conditional Award	February 2022

*Dates shown are subject to change

Design-Build Procurement Process – Proposer Responsibilities



- Proposers are responsible for monitoring the Project Webpage for information:
www.txdot.gov/inside-txdot/division/debt/strategic-projects/alternative-delivery/nhip-seg3/rfq.html
- TxDOT will post all addenda to the RFQ on the Project Webpage
- Proposers are advised that responses to questions posed at this workshop are considered to be on an informational basis only and are not binding on TxDOT.
- The process for official questions and answers is provided in the RFQ
 - **Deadline for submitting questions is by 12:00 p.m. (Central Time) on Thursday, October 15, 2020, and will be accepted via email at:**
TxDOT-HOU-ALTD-I45SEG3@txdot.gov
- TxDOT may respond to those questions that TxDOT deems to be material and not adequately addressed. TxDOT will post any such responses and addenda to this RFQ on the Project Webpage.



- Proposers are responsible for ensuring QSs are delivered electronically using TxDOT’s Dropbox Service to “TxDOT’s Authorized Representative” per the requirements of Section 4.4 of the RFQ at the following address:

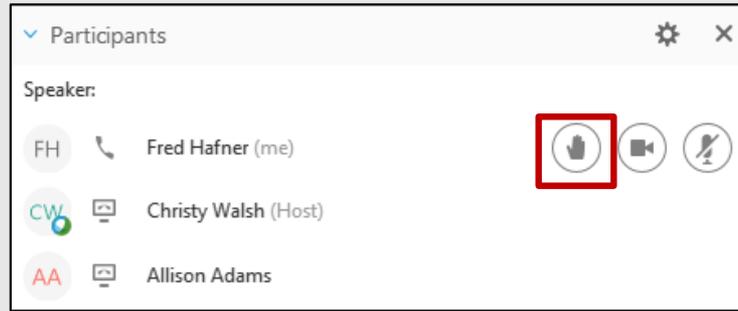
Email: TxDOT-HOU-ALTD-I45SEG3@txdot.gov

- QSs will be accepted and must be received by TxDOT during normal business hours before 12:00 p.m. (Central Time) on **Thursday, January 14, 2021.**
- QSs not received prior to such time on the QS Due Date will not be considered by TxDOT for evaluation or shortlisting.



QUESTIONS?

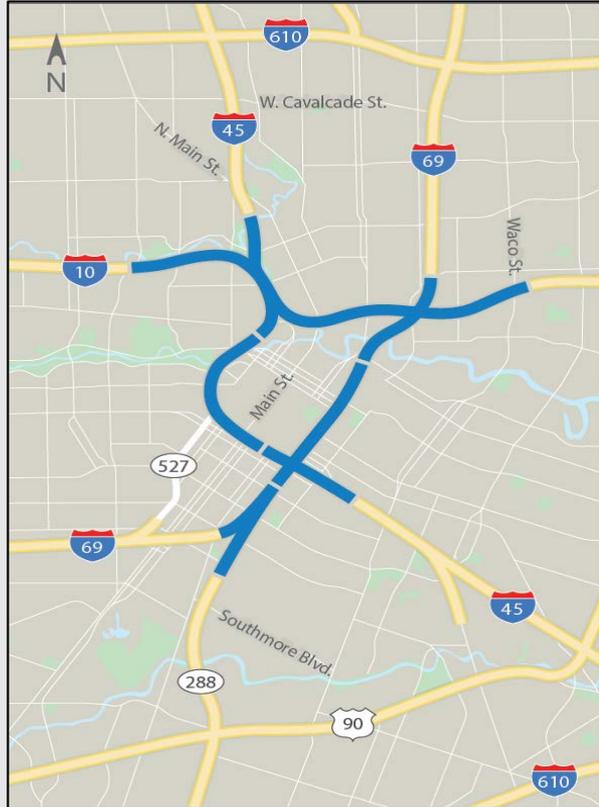
- If you have a question please utilize the WebEx “Hand Raise” feature.
- Questions will be addressed in the order in which attendees raise their hand.



THANK YOU



Original Project Scope



RFQ Addendum #3 Project Scope

