



SH 99 Grand Parkway Segment B-1 Design-Build Project

Pre-Procurement Industry Workshop

Safety: Mission

ZERO 

#EndTheStreakTX



Safety Never Stops!



TEXAS DEPARTMENT OF TRANSPORTATION

ENDING THE STREAK IS IN OUR HANDS



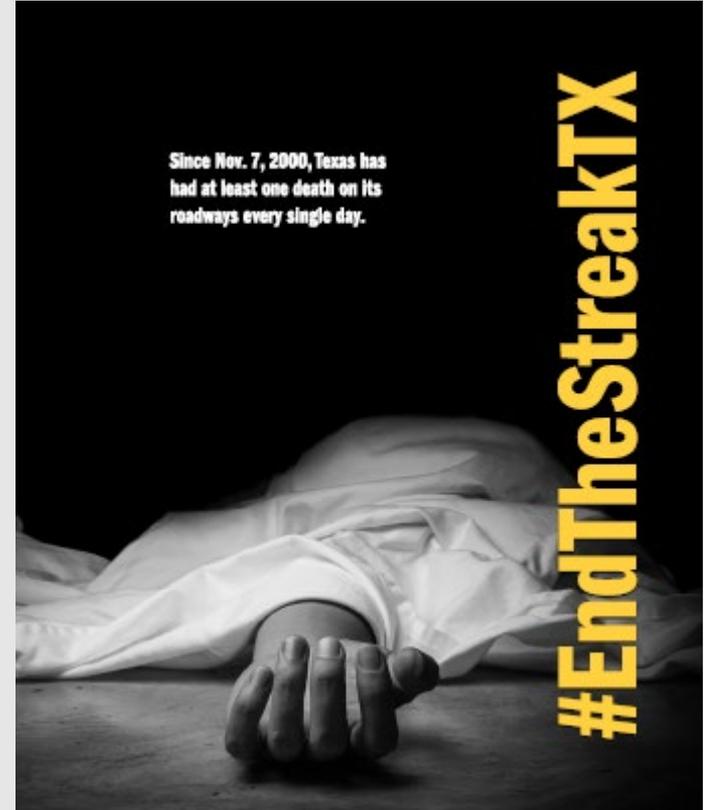
Most crashes and fatalities are due to drunk driving, distracted driving or failure to use seat belts. In other words, they're preventable.

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.





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PRE-PROCUREMENT PARTNERING PROCESS

Pre-Procurement Partnering Process



- Early engagement of industry partners
 - Design-Build (DB) Project Planning Cadence document (see QR code)
 - Informal mentions of upcoming project to:
 - Associated General Contractors (AGC)
 - Design-Build Institute of America Southwest (DBIA-SW)
 - American Council of Engineering Companies (ACEC)
- TxDOT project pre-procurement website (see QR code)
 - Early sharing of reference information documents (RIDs)
 - Draft contract term sheets
 - Risk allocation
- Opportunity for feedback



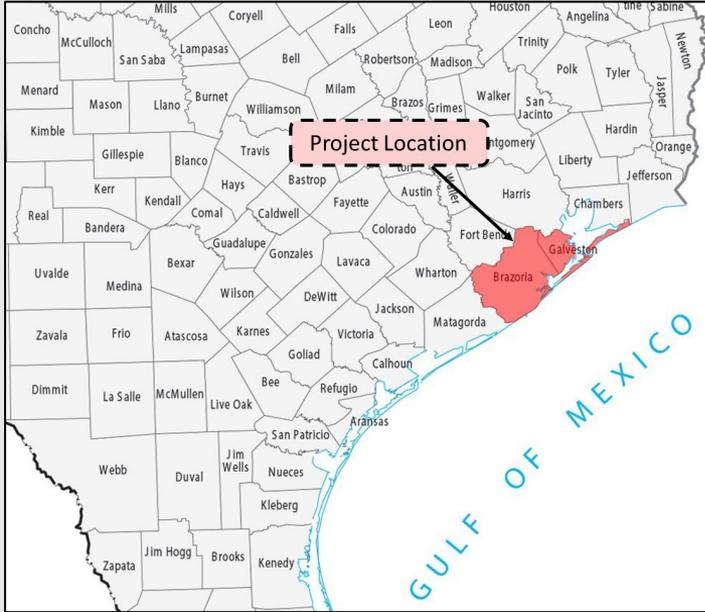
DB Project Cadence



SH 99 Seg B-1
Pre-Procurement Website

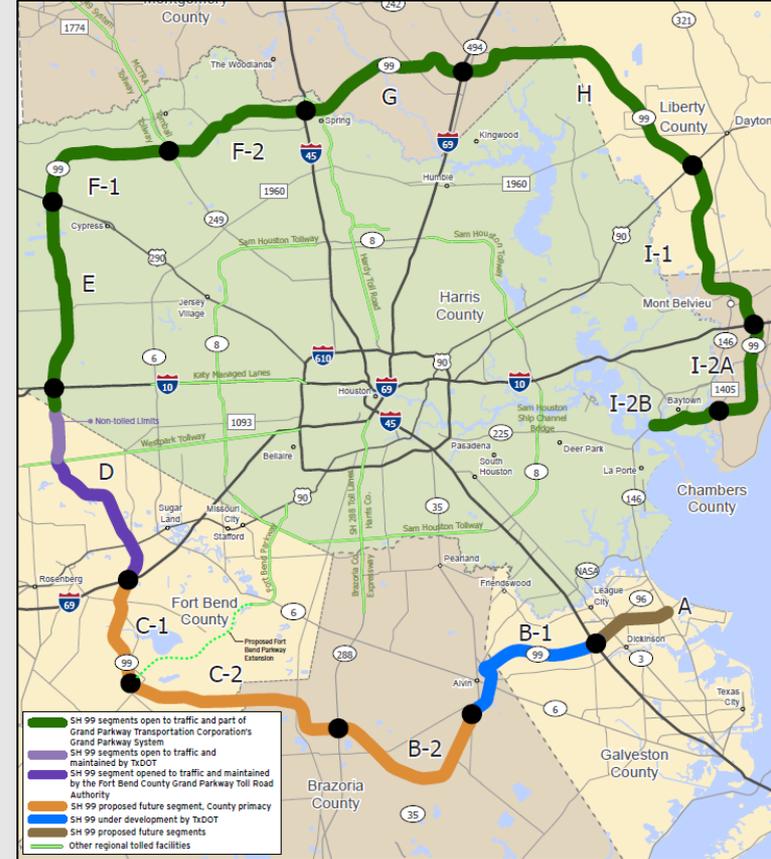
SH 99 GRAND PARKWAY – CORRIDOR LOCATION AND PROJECT LIMITS

SH 99 Grand Parkway – Corridor Location and Project Limits



Quick Facts

- **Segment B-1 Construction Limits:** IH 45 South to South of FM 2403
- **Project Locations:** Galveston & Brazoria counties

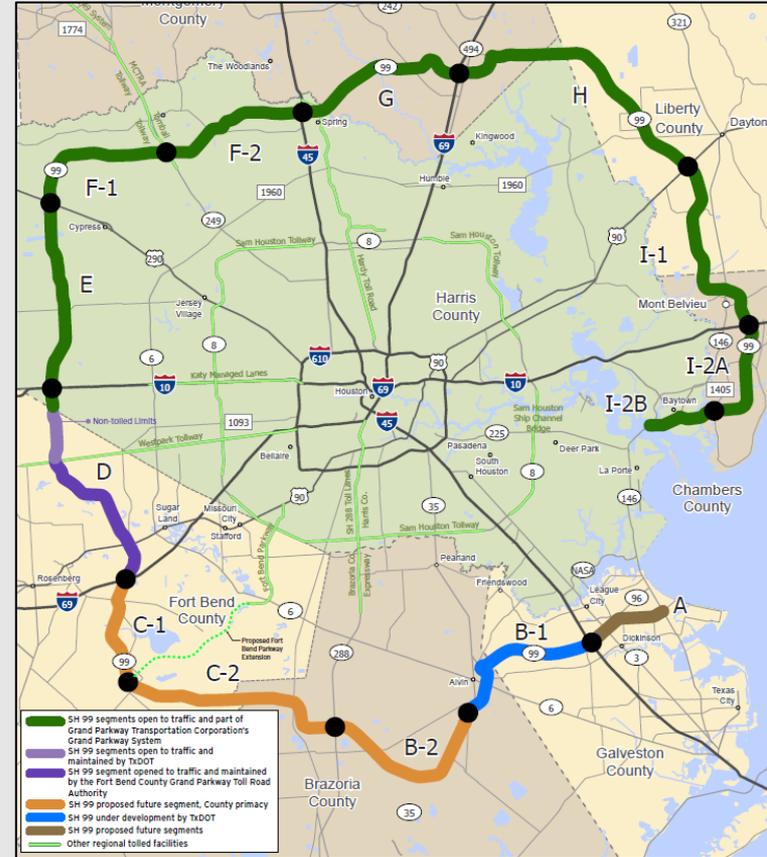


PROJECT OVERVIEW

Project Overview



- **Limits:** IH 45 South to South of FM 2403
- **Length:** 14.2 miles
- **Project Details:**
 - Construct 4-lane tollway with discontinuous 2-lane frontage roads and interchanges
 - Construct four direct connectors (DCs) at IH 45S and two direct connectors at SH 35
 - Construct SH 35 mainlanes north of SH 99
- **Estimated DB Cost:** \$1.6 Billion



Needs and Purpose

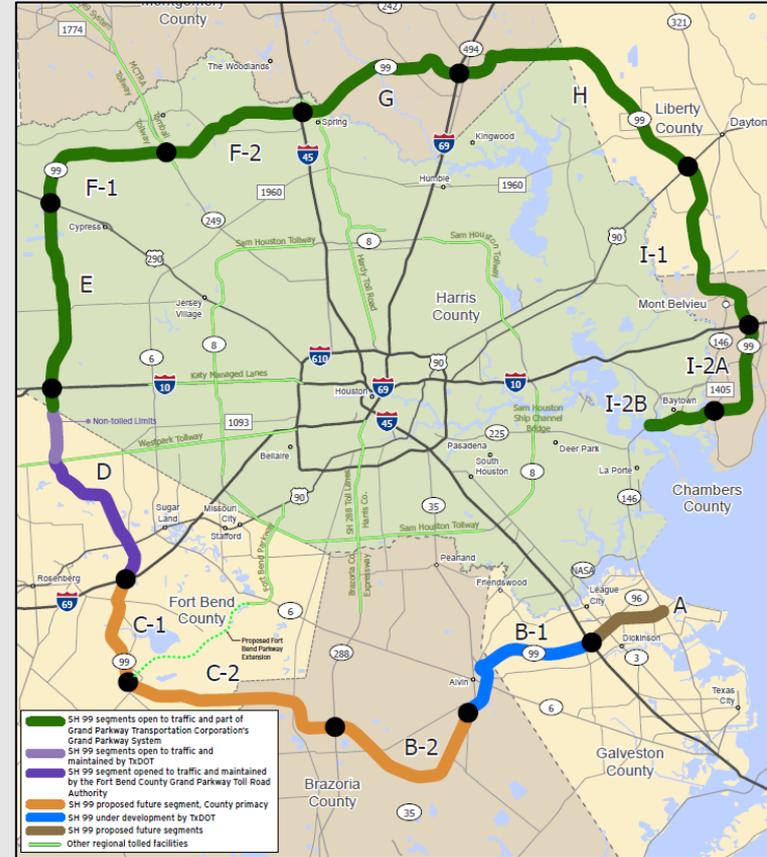


■ Project needs

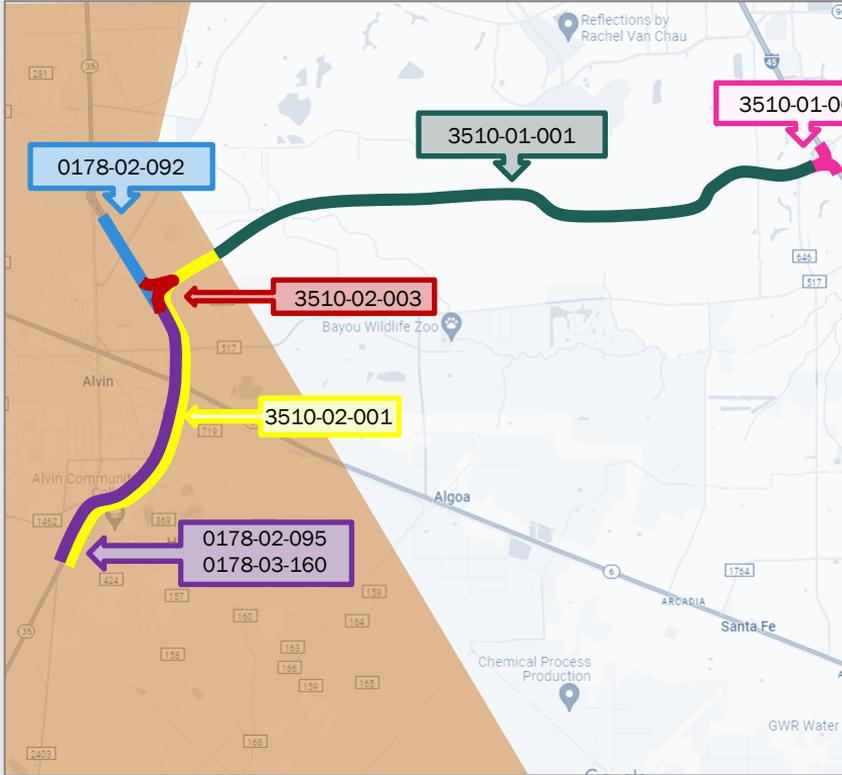
- System linkage: The project would improve system linkage within the existing transportation system.
- Expanding capacity: The project would address transportation demand in the area, reduce traffic congestion, and provide travel options.
- Safety: The project would provide an alternative route to emergency evacuation routes for the greater Houston area.
- Economic development: The project would accommodate demographic and economic growth by improving the movement of persons and goods.

■ Project purpose

- The purpose of the project is to efficiently link suburban communities and major roadways, enhance mobility, respond to economic growth, and to provide an additional access to establish hurricane evacuation routes.



Project Overview



Brazoria County

Galveston County

- CSJ 3510-01-001** DESIGN - BUILD
 Galveston County.
 SH 99, IH 45 S TO BRAZORIA CL
 Construct 4-lane tollway with discontinuous 2-lane frontage roads and interchanges
- CSJ 3510-01-003** DESIGN - BUILD
 Galveston County.
 SH 99, AT IH 45S
 Construct 4 direct connectors (TOLL)
- CSJ 3510-02-001** DESIGN - BUILD
 Brazoria County
 SH 99, GALV CL TO N of FM 2403
 Construct 4-lane tollway with limited 2-lane frontage roads and interchanges
- CSJ 3510-02-003** DESIGN - BUILD
 Brazoria County.
 SH 99, AT SH 35
 Construct 2 direct connectors (TOLL)
- CSJ 0178-02-092** DESIGN - BUILD
 Brazoria County.
 N GORDON ST TO STEELE RD
 Construct 4 new maintains with overpasses at Wheeler Drive at FM 528 and reconstruct existing frontage roads.
- CSJ 0178-02-095** DESIGN - BUILD
CSJ 0178-03-160 DESIGN - BUILD
 Brazoria County.
 N OF WHEELER LN TO N of FM 2403
 Remove & replace existing JRCF pavement in kind, including guardrail, striping, etc.

Project Objectives



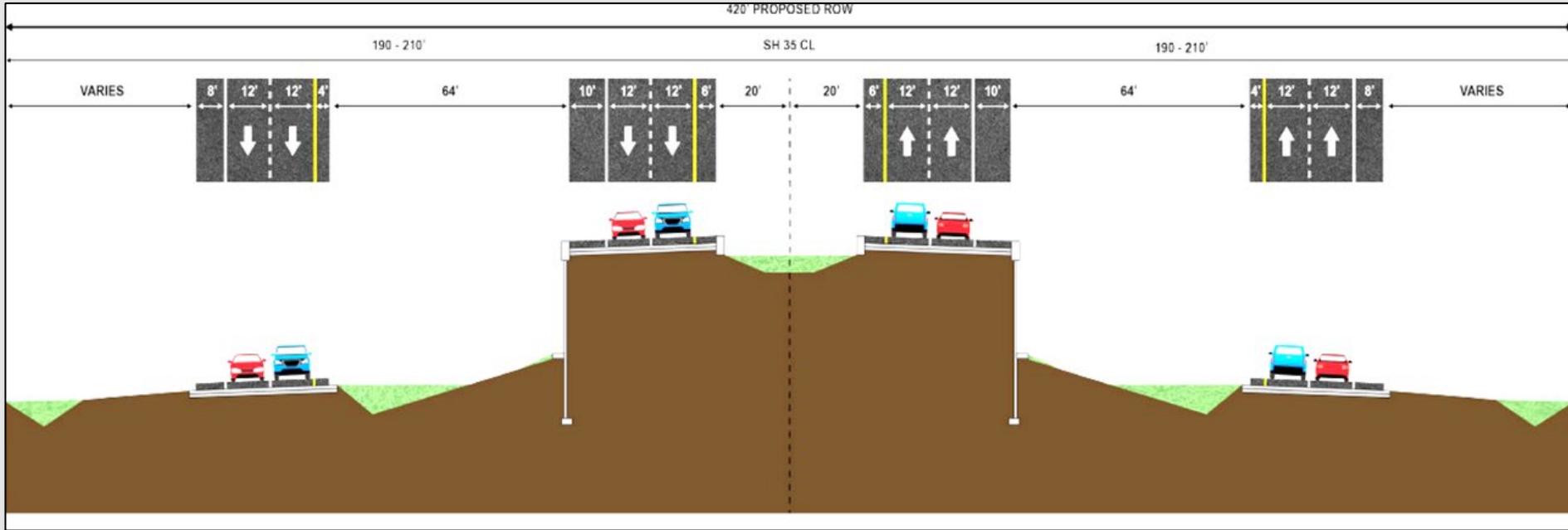
- Completion that is on schedule, on budget, and of the highest degree of quality
- Improve mobility, accessibility, and increasing capacity to meet current and future travel demands
- Provide alternative evacuation routes for hurricanes and flooding
- Expand and sustain economic opportunities in the region by improving the mobility of persons and goods
- Facilitate participation of work by disadvantaged business enterprises, women-owned, and minority business enterprises

Project Objectives



- Minimize any negative impacts, contribution to air quality attainment goals
- Fulfilling the commitments made in the environmental evaluations and maximizing the use of recycled materials
- Minimize travel delays during construction and maintenance to ensure a safe evacuation route for hurricanes and flooding
- Maintain commitments to the public and stakeholders throughout Project delivery
- Coordinate with adjacent FM 517 Design-Bid-Build project
- Minimize railway service disruption when working near the facility and when replacing existing railroad structures with at-grade tracks

SH 99 Grand Parkway Segment B-1 – Typical Section



SH 99 Grand Parkway Segment B-1 – BNSF Railroad



Existing pump station

Proposed detention ponds

PROJECT RISKS AND CHALLENGES



1 Utility relocations and impacts

2 Construction phasing

- Mainlane and frontage road lane closures to accommodate DCs construction; and
- Minimizing railway service disruptions during BNSF bridge replacement.

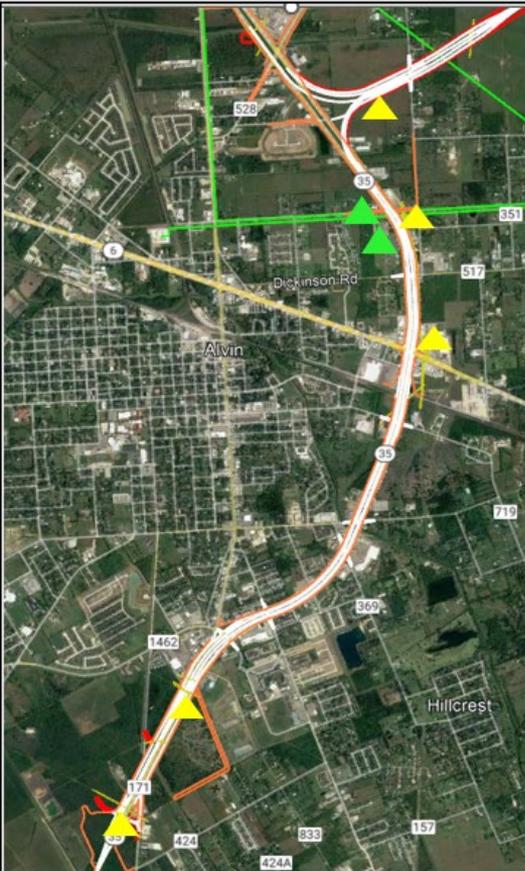
3 Traveling impacts during construction

- Work zone management strategies;
- No two consecutive intersections closed for overhead activities simultaneously;
- Public information efforts and multi-jurisdictional coordination; and
- Downtime of travel lanes during construction.

4 Minimize impacts during construction to accommodate business owners' needs

5 Multiple toll plaza layouts and equipment pads will be site specific

Project Utility Risk Map for SH 35 Section



- ▲ Pipelines
- ▲ Electric Transmission – (2) Planned Advance Utility Relocations

Total Estimated Utility Conflicts:	164
Planned Advance Utility Relocations by TxDOT:	2
Total Number of Utility Owners:	23

Note:

- (i) Data date as of February 29, 2024; numbers subject to change as project develops.
- (ii) There are a total of 37 utility owners across all sections (SH35/Greenfield/IH45). Some utility owners exist across more than one section.

Project Utility Risk Map for Greenfield Section



- ▲ Pipelines – (33) Planned Advance Utility Relocations
- ▲ Electric Transmission – (3) Planned Advance Utility Relocations

■ Total Identified Utility Conflicts:	51	Note: Data date as of February 29, 2024; numbers subject to change as project develops.
■ Planned Advance Utility Relocations by TxDOT:	36	
■ Total Number of Utility Owners:	19	

Project Utility Risk Map for IH 45S Section



Total Identified Utility Conflicts: 70

Total Number of Utility Owners: 11

Note:
Data date as of February 29, 2024; numbers subject to change as project develops.

Potential HazMat locations for Greenfield Section

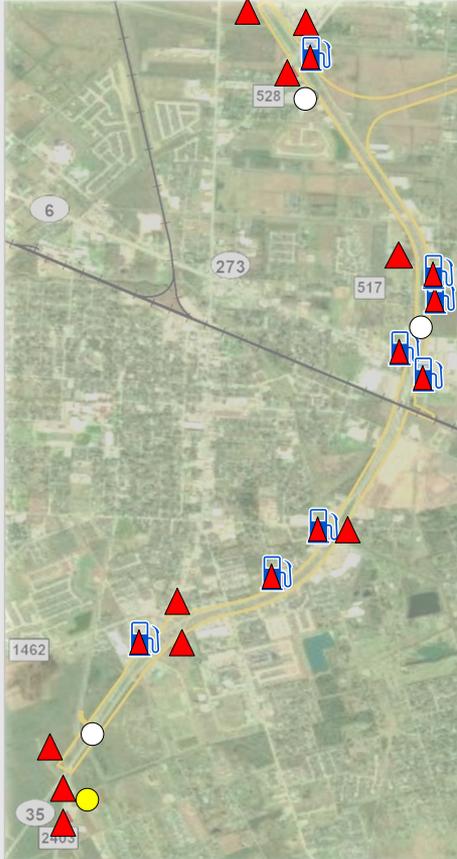


-  Gas Station
-  Hazmat Site
-  Oil Well
-  Dry Hole
-  Canceled Location
-  Plugged Oil/Gas Well

- Within ROW:**
- 2 Hazmat Sites
 - 1 Gas Station
 - 2 Dry Holes
 - 2 Plugged Oil/Gas Wells

- Adjacent to Project:**
- 1 Hazmat Site
 - 1 Gas Station
 - 3 Dry Holes
 - 2 Plugged Oil/Gas Wells
 - 1 Oil Well
- Note:** Well data sourced from the Railroad Commission

Potential HazMat locations for SH 35 Section



-  Gas Station
-  Hazmat Site
-  Gas Well
-  Dry Hole

Adjacent to Project:

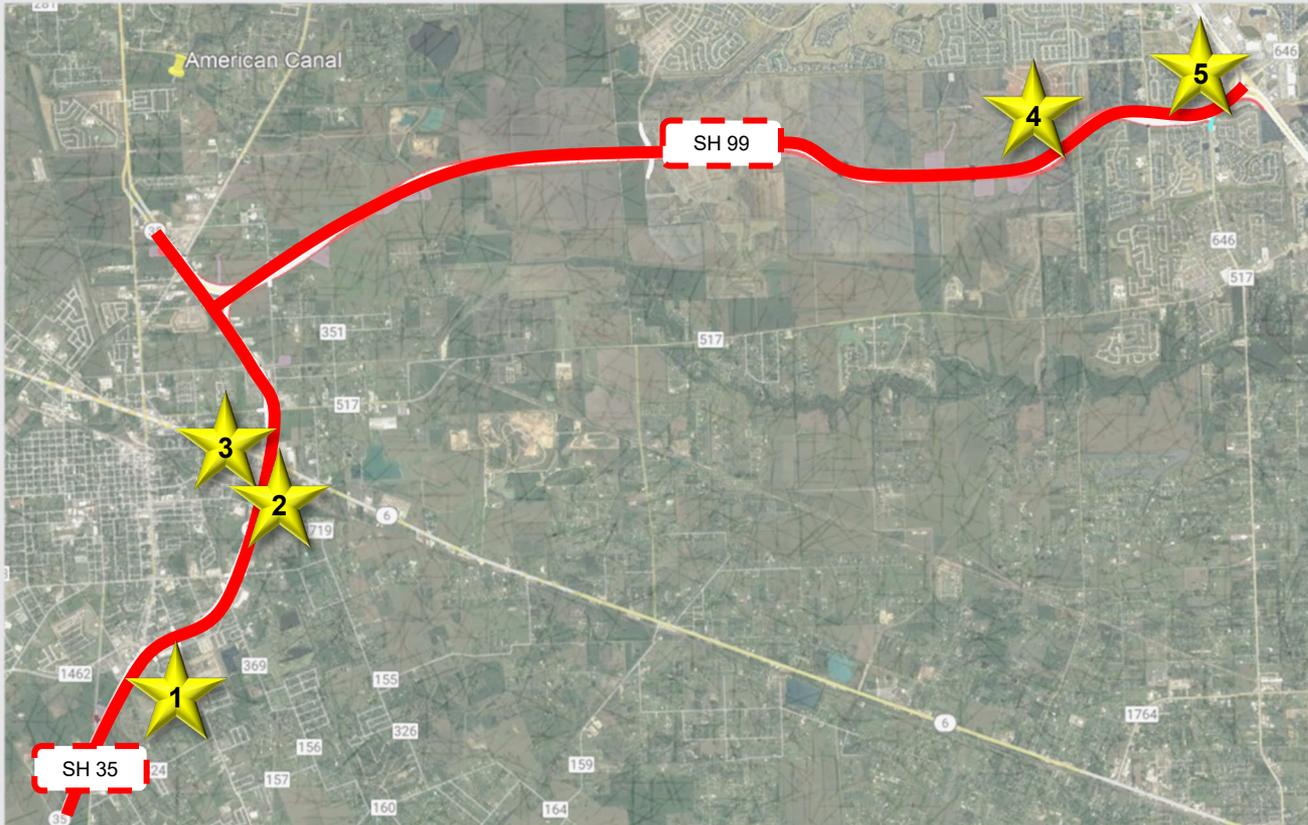
- 19 Hazmat Sites
- 8 Gas stations
- 1 Dry Holes
- 1 Gas Well

Within ROW:

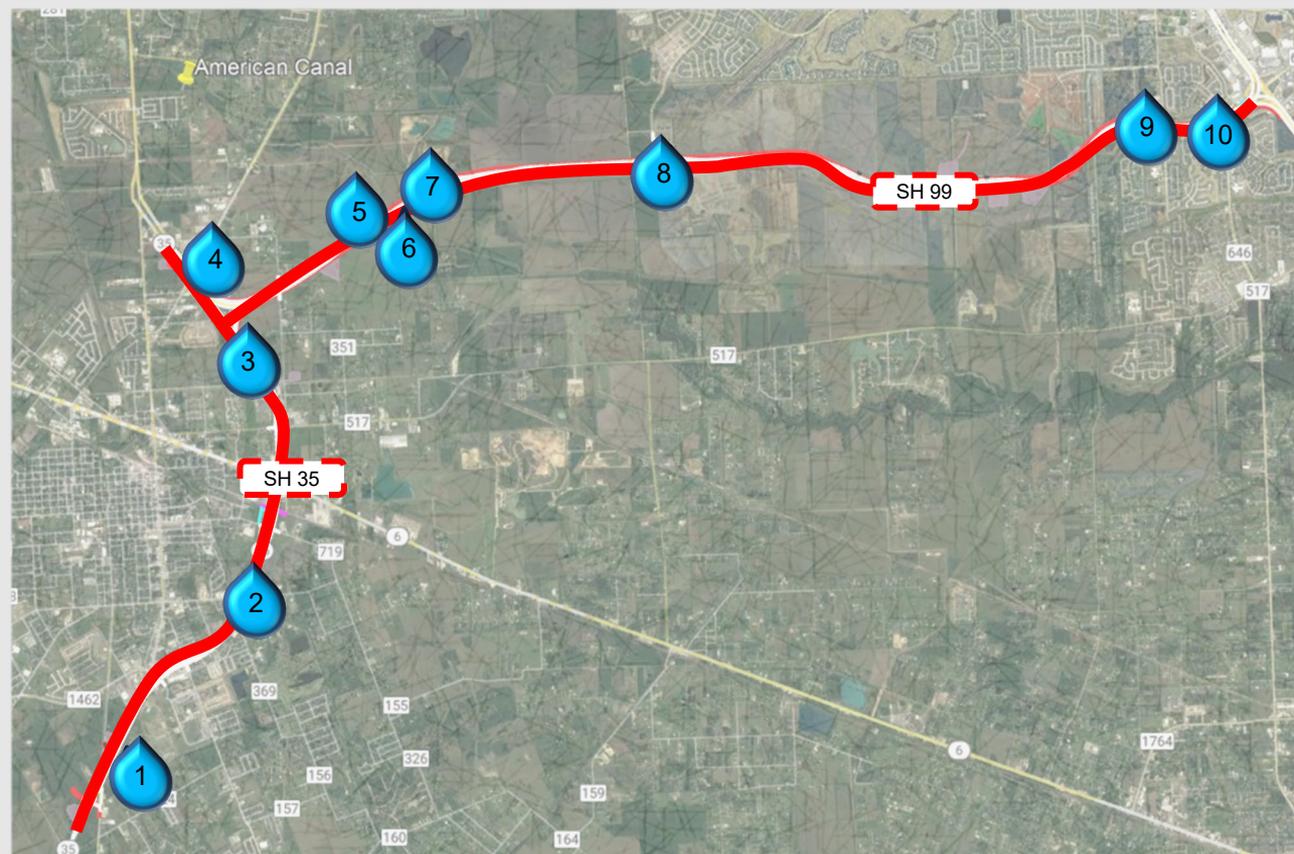
- 2 Dry Holes

Note: Well data sourced from the Railroad Commission

Major Third-Party/Stakeholders



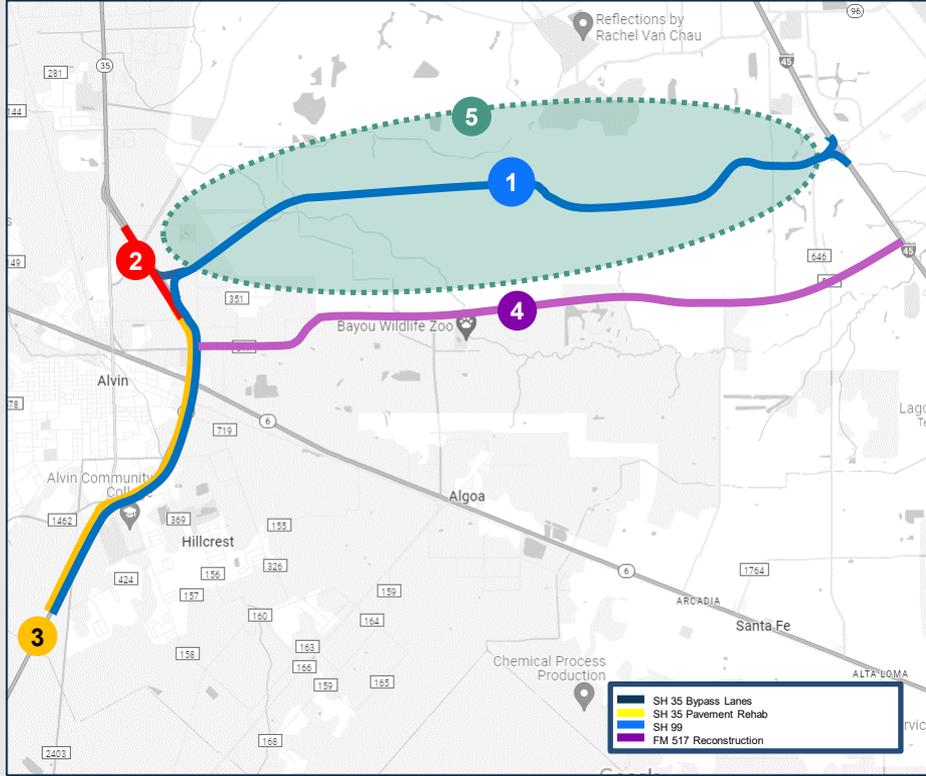
- Major Third-Party/Stakeholders**
(major traffic generators and business access)
1. Alvin Community College
 2. BNSF Railroad
 3. SH 35 / SH 6 Retail Area
 4. Lobit Elem & Middle Schools
 5. IH 45S / FM 646 Retail Area



Waters of the US

1. Drainage Ditch 0.1M N of old FM 2403
2. Mustang Bayou
3. Unnamed Ditch
4. Tributary to Dickinson Bayou
5. Siphon Ditch
6. Dickinson Bayou
7. Galveston Canal (Private)
8. Drainage Ditch (Westland)
9. Unnamed Channel
10. Magnolia Bayou

Project & Adjacent Projects



1 **SH 99 Segment B-1** DESIGN - BUILD
 From IH 45S to North of FM 2403
NTP1: 6/2026

2 **SH 35 Bypass Main Lanes** DESIGN - BUILD
 From Victory LN to Steele RD
NTP1: 6/2026

3 **SH 35 Pavement Rehab** DESIGN - BUILD
 From North of Wheeler Ln to North of FM 2403
NTP1: 6/2026

4 **FM 517 Reconstruction** DESIGN BID BUILD
 From IH 45S to SH 35
LET Date: 12/2027

5 **Third Party Development**
 Unknown timetable for private developer activities in the greenfield section

Adjacent Project

Adjacent Project

PROJECT STATUS



- **Contract Delivery Method**
 - Delivered as a DB project with a potential Capital Maintenance Agreement
- **Project Cost Estimate**
 - Anticipated Design-Build Contract (DBC) cost of approximately \$1.6B
- **Design Exceptions**
 - Approval for SH 99 Grand Parkway Segment B-1 exceptions anticipated by July 2025
 - Inside shoulder width of IH 45S
 - Vertical curvature of frontage roads over BNSF Railroad
- **Other Due Diligence**
 - Geotechnical investigations (November 2024)
 - Drainage report (November 2024)
 - Hazardous Materials investigations (October 2024)
 - Subsurface Utility Engineering (SUE) investigations (June 2024)
- **Railroad**
 - Draft Exhibit A (April 2024)
 - Construction and Maintenance Agreement (March 2025)



▪ Utilities

1 Interlocal Agreements - TBD

2 Advance Utility Agreements

- Air Liquide Large Indust U.S. LP
- Air Products LLC
- Buckeye Dev. & Logistics I LLC
- CenterPoint Energy Electric Transmission
- Chevron Pipeline Company
- Denbury Green Pipeline-Texas, LLC
- DOW Pipeline Company

Advance Utility Agreements (continued)

- Energy Transfer
- Enterprise Products Operating LLC
- Equistar Chemicals, LP
- ExxonMobil Pipeline Company
- Kinder Morgan Tejas Pipeline LLC
- Phillips66 Pipeline LLC
- Shell Pipeline
- Texas New Mexico Power Electric Transmission



- **Right of Way (ROW)**

- All parcels will be acquired by the District, (excluding DB-required parcels)
- 6 parcels will require relocation
 - Near IH 45S
 - 7-11 gas station
 - Hibernia Bank (vacant)
 - Take 5 Oil Change
 - Near SH 35 Bypass
 - Bub's Sports Grill
 - Samra Warehouse
 - Residence on Clifford St.

- **ROW (continued)**

- 71 parcels identified for acquisition
- Approximately 20 additional parcels being determined for detention ponds and/or drainage easements
- Count is as of March 6, 2024, and subject to change



SH 99 Grand Parkway Segment B-1 Design-Build Project*

- January 2025 – RFQ Issuance
- March 2025 – QSs Due
- April 2025 – Shortlist
- April 2025 – Draft RFP
- July 2025 – Final RFP
- January 2026 – Proposals Due
- March 2026 – Conditional Award
- June 2026 – Contract Execution

*All projected dates subject to change

PROJECT PROCUREMENT



SH 99 Grand Parkway Segment B-1 Design-Build Project*



- Two step procurement process
 - RFQ
 - RFP

*All projected dates subject to change



SH 99 Grand Parkway Segment B-1 Design-Build Project*

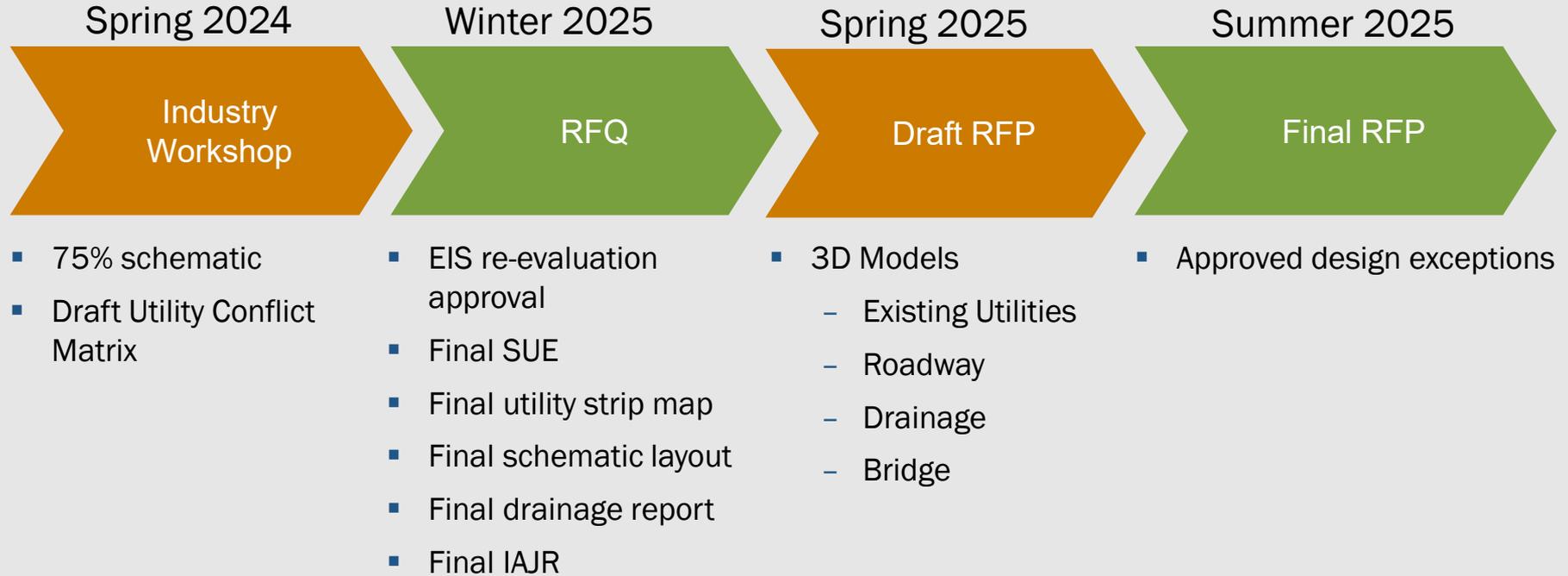


- Industry Workshop held on April 11, 2024
 - Offeror questions and requests for One-on-One Meetings due – May 16, 2024
 - Pre-Procurement Partnering One-on-One meetings – June 4-6, 2024
 - Planning 2nd round One-on-One meetings – August 13-15, 2024

*All projected dates subject to change



SH 99 Grand Parkway Segment B-1 Design-Build Project*



*All projected dates subject to change



- Schematic
 - 75% includes alignment shift and SH 35 pavement rehabilitation
 - 90% expected by July 2024; 100% expected by October 2024
- DRAFT Interstate Access Justification Report
 - June 2024 will be approved by Design Division and submitted for Federal Highway Administration review
- DRAFT BNSF Exhibit A
 - First round of comments have been addressed and re-submitted to BNSF
- ROW Maps
 - Information is sensitive and will only be released to shortlisted proposers
- DRAFT Drainage Report



- The Project (excluding the SH 35 Bypass portion) will be the ultimate responsibility of the Grand Parkway Transportation Corporation (GPTC).
- The GPTC will make payments for the DBC and CMC either through reimbursement of TxDOT or through direct payment from GPTC after the assignment of the Design-Build Contract (DBC) and Capital Maintenance Contract (CMC) to GPTC.
- The SH 35 Bypass portion of the Project will be funded using Category 2, 3, 4 and 11.
- The Project is submitted to be fully funded with the 2025 Unified Transportation Program pending approval by the Texas Transportation Commission in August 2024.
- SH 35 Bypass will be priced separately under the DBC and CMC.
- Monthly Draw Requests will be submitted separately for the SH 35 Bypass Work.

THANK YOU FOR ATTENDING

PLEASE PROVIDE COMMENTS & FEEDBACK FOR THE
SH 99 GRAND PARKWAY SEGMENT B-1 DESIGN BUILD PROJECT

VIA THE PROJECT EMAIL:

TXDOT-HOU-ALD-SH99SEGB1@TXDOT.GOV



DBE Requirements For Design Build Projects

SH 99 Grand Parkway Segment B-1 Project

**TEXAS DEPARTMENT OF TRANSPORTATION
(TXDOT) DBE PROGRAM**



- Legislatively mandated by the United States Department of Transportation (USDOT).
- Applies to federal-aid highway dollars expended on federally-assisted contracts issued by USDOT.
- Administered by USDOT's three modal administrations:
 - Federal Highway Administration (FHWA)
 - Federal Transit Administration (FTA)
 - Federal Aviation Administration (FAA)
- Implementation guided by 49 CFR, Part 26.



- TxDOT is:
 - Recipient of federal funds.
 - Responsible for administering its DBE Program.
 - Legally accountable for expenditures of USDOT financial assistance.
- TxDOT assures it will comply with 49 CFR, Part 26 within its DBE Program Plan.
- Breach could result in loss of federal funds.



Definition of Disadvantaged Business Enterprise (DBE)

- A for-profit, small business concern where socially and economically disadvantaged individuals own at least a fifty-one percent interest and also control management and daily business operations.
- Socially and economically disadvantaged as defined by 49 CFR Part 26.67(a)
- All DBEs are small businesses, but not all small businesses are DBEs.



What is not a DBE

- Historically Underutilized Business (HUB)
- Small Business Enterprise (SBE)
- Minority Business Enterprise (MBE)
- Veteran-Owned Business Enterprise (VBE)
- African-American Business Enterprise (AABE)
- Woman Owned Business (WBE)
- Hispanic-American Business Enterprise (HABE)
- Disabled Individual Business Enterprise (DIBE)
- Native American Business Enterprise (NABE)

These certifications are different than the DBE certification required for meeting DBE goals on federally assisted contracts!

TEXAS UNIFIED CERTIFICATION PROGRAM (TUCP)

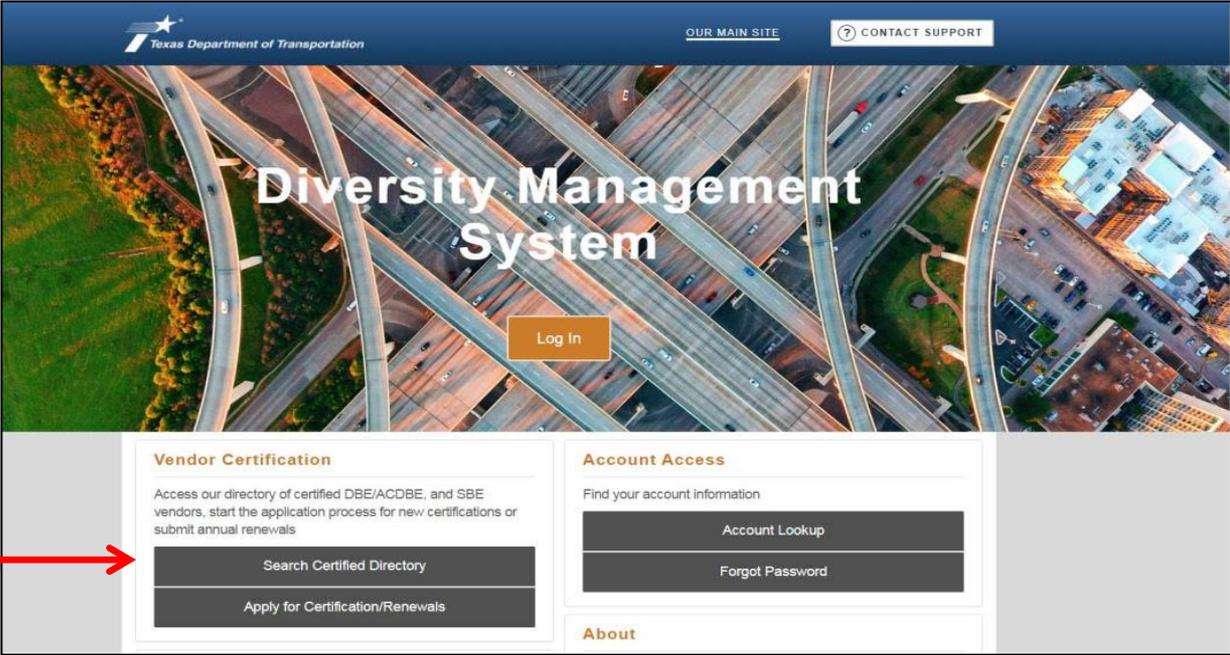


TUCP Directory

- Lists firms that meet the DBE certification requirements to perform specific North American Industry Classification System ([NAICS](#)) work codes granted.
- Is available online at: <https://txdot.txdotcms.com/>.
- Provides primary source for DBE firm solicitation and commitment.
- Requests for additional ([NAICS](#)) work codes must be approved prior to the execution of any contract the DBE wishes to perform.

TUCP DBE Directory

- Go to the TUCP DBE Directory – <https://txddot.txdotcms.com>



The screenshot shows the homepage of the TUCP Diversity Management System. The header includes the Texas Department of Transportation logo, a link to "OUR MAIN SITE", and a "CONTACT SUPPORT" button. The main content area features a large aerial photograph of a highway interchange with the text "Diversity Management System" overlaid. Below this is a "Log In" button. The page is divided into two columns of navigation options. The left column, under "Vendor Certification", includes a "Search Certified Directory" button (highlighted with a red arrow) and an "Apply for Certification/Renewals" button. The right column, under "Account Access", includes "Account Lookup" and "Forgot Password" buttons. An "About" section is partially visible at the bottom.



- Six certifying agencies make all certification decisions.
 - City of Austin, Office of Business Opportunity
 - City of Houston, Small Business Development
 - Corpus Christi Regional Transportation Authority
 - North Central Texas Certification Agency
 - South Central Texas Certification Agency
 - Texas Department of Transportation
- Agencies require DBE firms to annually submit affidavit of no change form.
- A business' DBE certification from any TUCP agency is valid for any Texas entity that receives USDOT funds.



- A small business may contact one of the certification service agency located nearest to its headquarters.
- For Houston area-based firms, contact the following agency to establish DBE certification:
 - City of Houston, Small Business Development
 - NOTE: The DBE Certification process takes a minimum of 90 days.

DBE CONTRACT GOALS



- Every three years, TxDOT is required by federal guidelines to determine an overall DBE goal for the agency, which is projected using a formula recommended by the FHWA.
- TxDOT overall annual goal:
 - Overall Annual DBE Goal For Highway Design and Construction 14.4%
 - Race-conscious 7.5%
 - Race Neutral 6.9%
- TxDOT sets a triennial goal



- The DBE goals for Project have not been determined at this time but will be reflected in the RFQ.
- For reference, past DBE goals for Houston DB contracts:
 - Grand Parkway Segments H, I-1 & I-2: 10% of the Price
 - SH 249 Extension: 9% of the Price

MONITORING DBE ACTIVITY



- All DBE participation must be reported
 - Contract specific goals
 - TxDOT's overall goal
- There are contractual remedies for not meeting the contract specific goals
- The DB Contractor is responsible for monitoring its progress towards meeting the goal.
- Monitoring can include:
 - DBE commitment amounts versus payments to DBE subcontractors
 - Termination/substitution impact to overall goal
 - Modifications to the original contract amount by change order
- The DB Contractor must contact TxDOT should a concern arise that it will not meet the contract DBE goal and seek options available to meet the goal.



Questions?

THANK YOU FOR ATTENDING

PLEASE DIRECT DBE COMMENTS OR QUESTIONS
TO TXDOT'S CIVIL RIGHTS DIVISION

CIV_COMPLIANCE@TXDOT.GOV