

WELCOME

360 Tollway Extension Project

Wednesday, October 23, 2024

- Please sign in
- View exhibits
- Ask questions
- Leave written comments

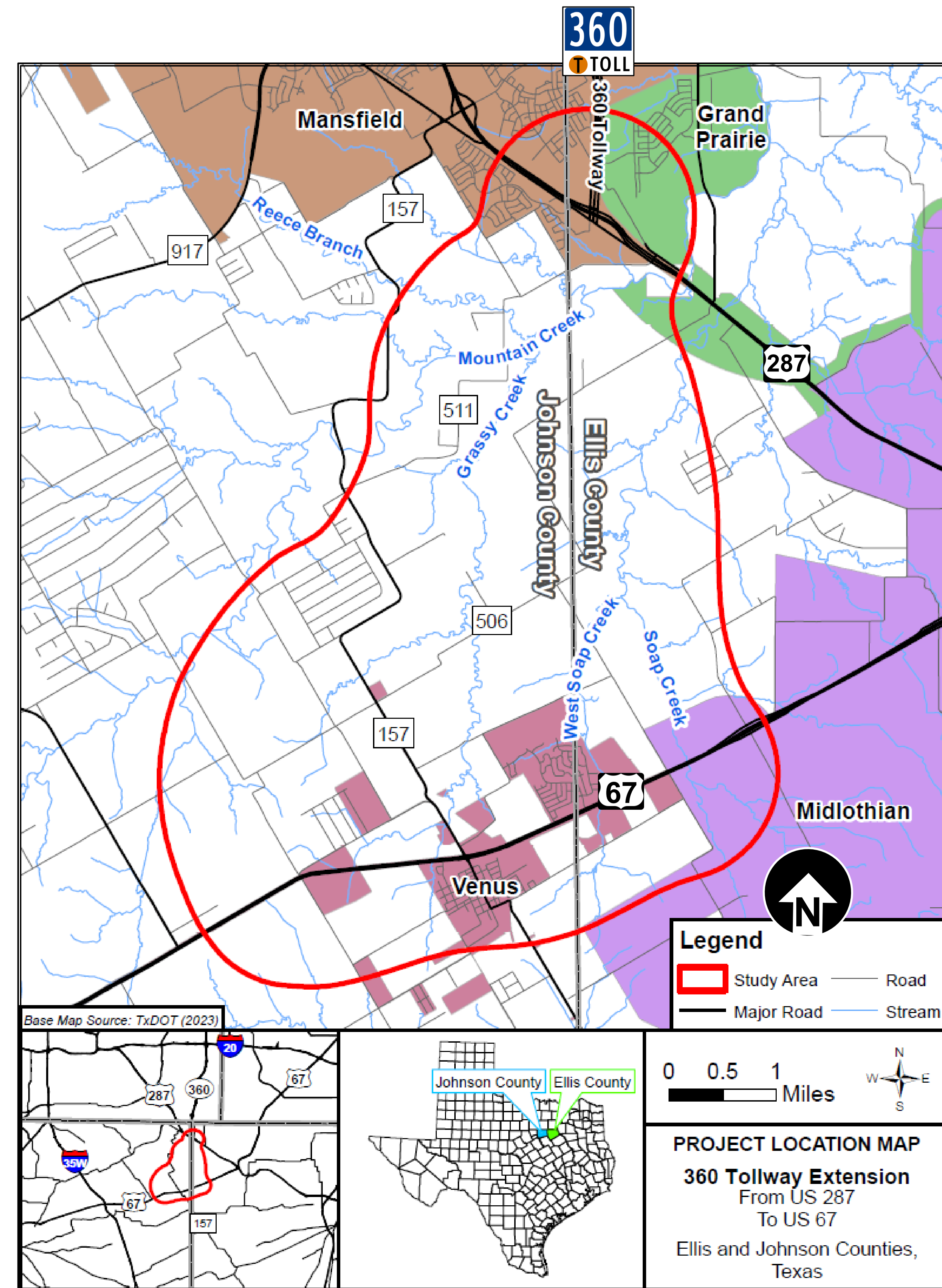


360 Tollway Extension Project Location Map

Highway Limits: US 287 to US 67

Counties: Ellis and Johnson

Length: Approximately 8 Miles



Purpose and Need

The purpose of the proposed project is to reduce congestion and improve mobility between US 287 and US 67 in Ellis and Johnson Counties while contributing to improved system linkage within the Metropolitan Planning Area.

Traffic Congestion/ Capacity Issues



Need for Action

Growing populations and traffic volumes continue to impact the over capacity travel facilities and system linkages in the project area.

Supporting Data

In 2045 and beyond, traffic volumes on most highways and roadways in the project study area is expected to increase to unacceptable, stop-and-go levels of congestion.

Increasing Transportation Demand



Need for Action

Increases in commercial and residential development plus population growth create higher demand for roadways.

Supporting Data

Population projections for 2045 show up to a **53%** increase in the nearby county populations, and **39% to 45%** increase in employment growth in Dallas, Ellis and Johnson Counties.

Deficient System Linkage



Need for Action

Incomplete roadway networks increase deficiencies, decrease mobility, and extend emergency vehicle response times.

Supporting Data

The proposed facility would provide Grand Prairie, Mansfield, Midlothian and Venus with **travel reliability and connectivity options** to access the 360 Tollway, US 287 and US 67.

Purpose and Need

Increasing Transportation Demand

Regional Population Growth (2045)

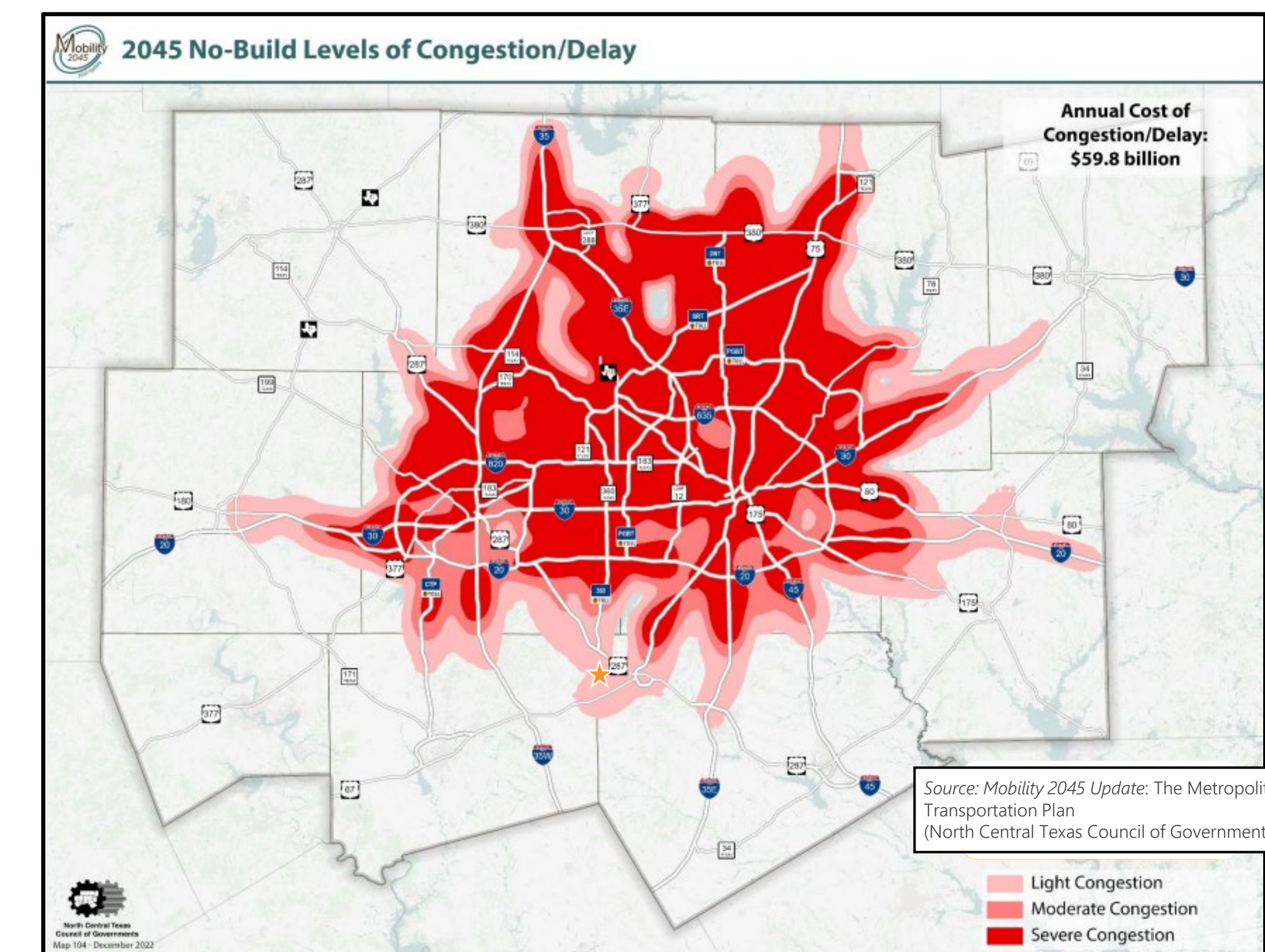
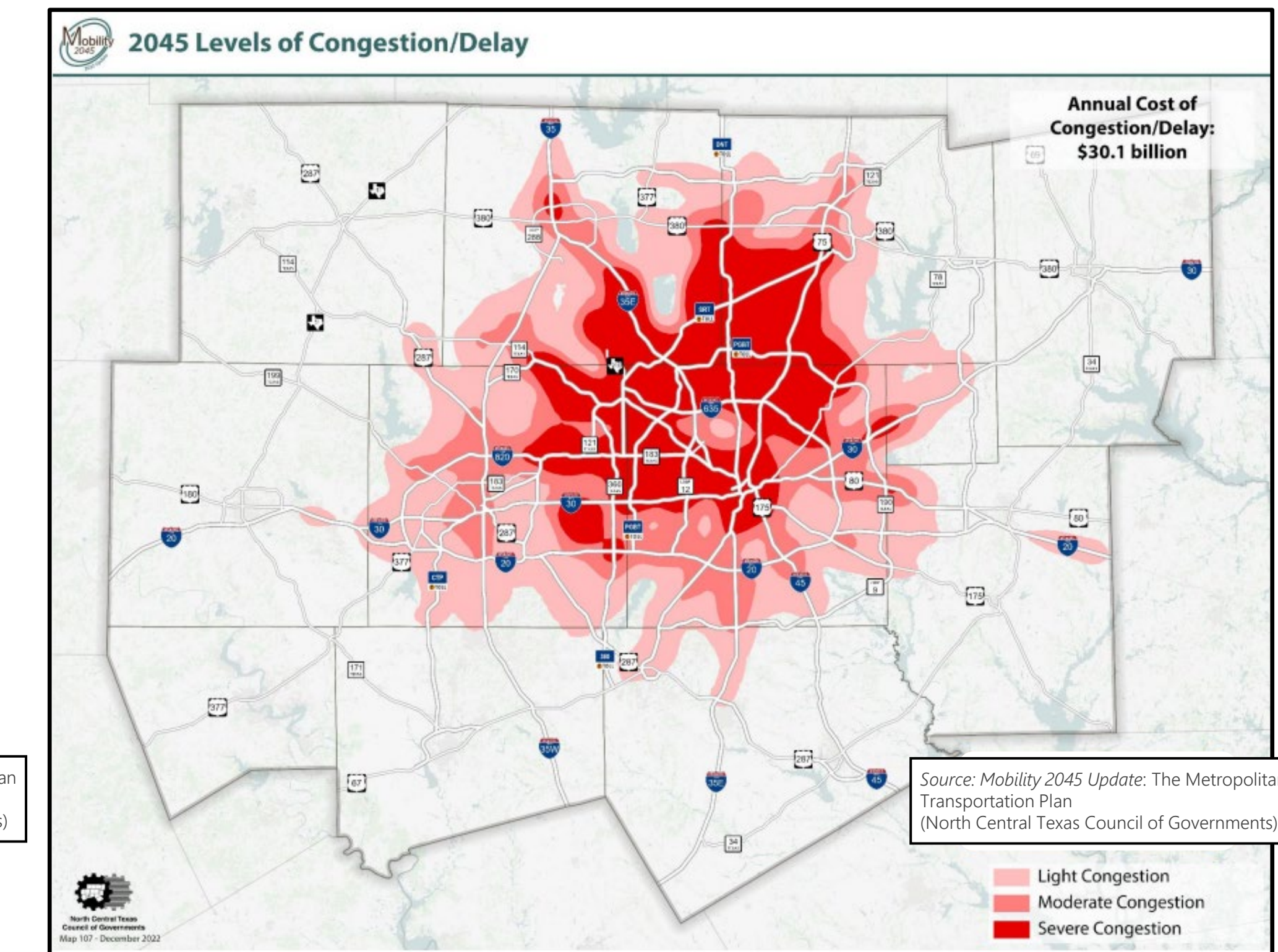
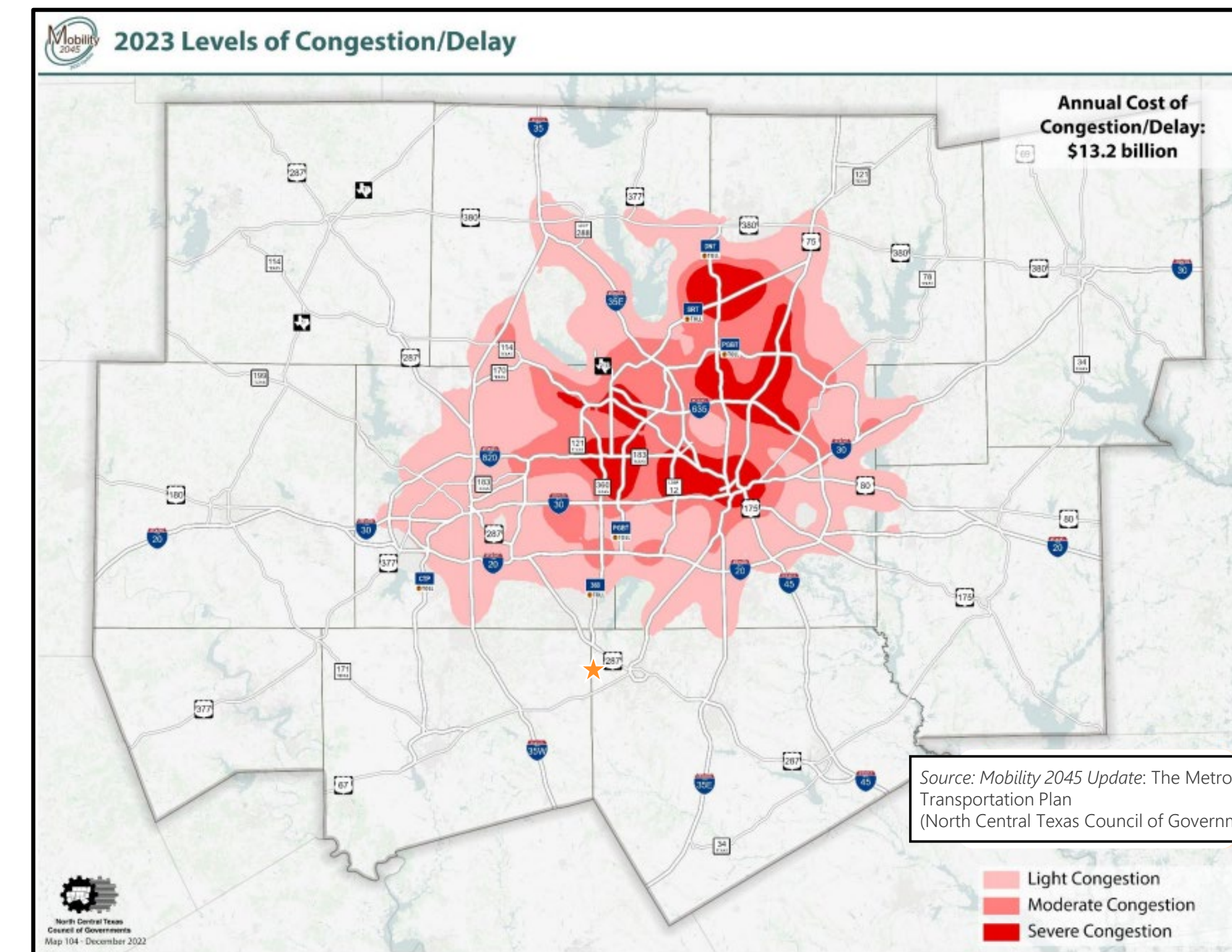
- Dallas County – 28%
- Ellis County – 53%
- Johnson County – 35%

Regional Employment Growth (2045)

- Dallas County – 39%
- Ellis County – 45%
- Johnson County – 39%

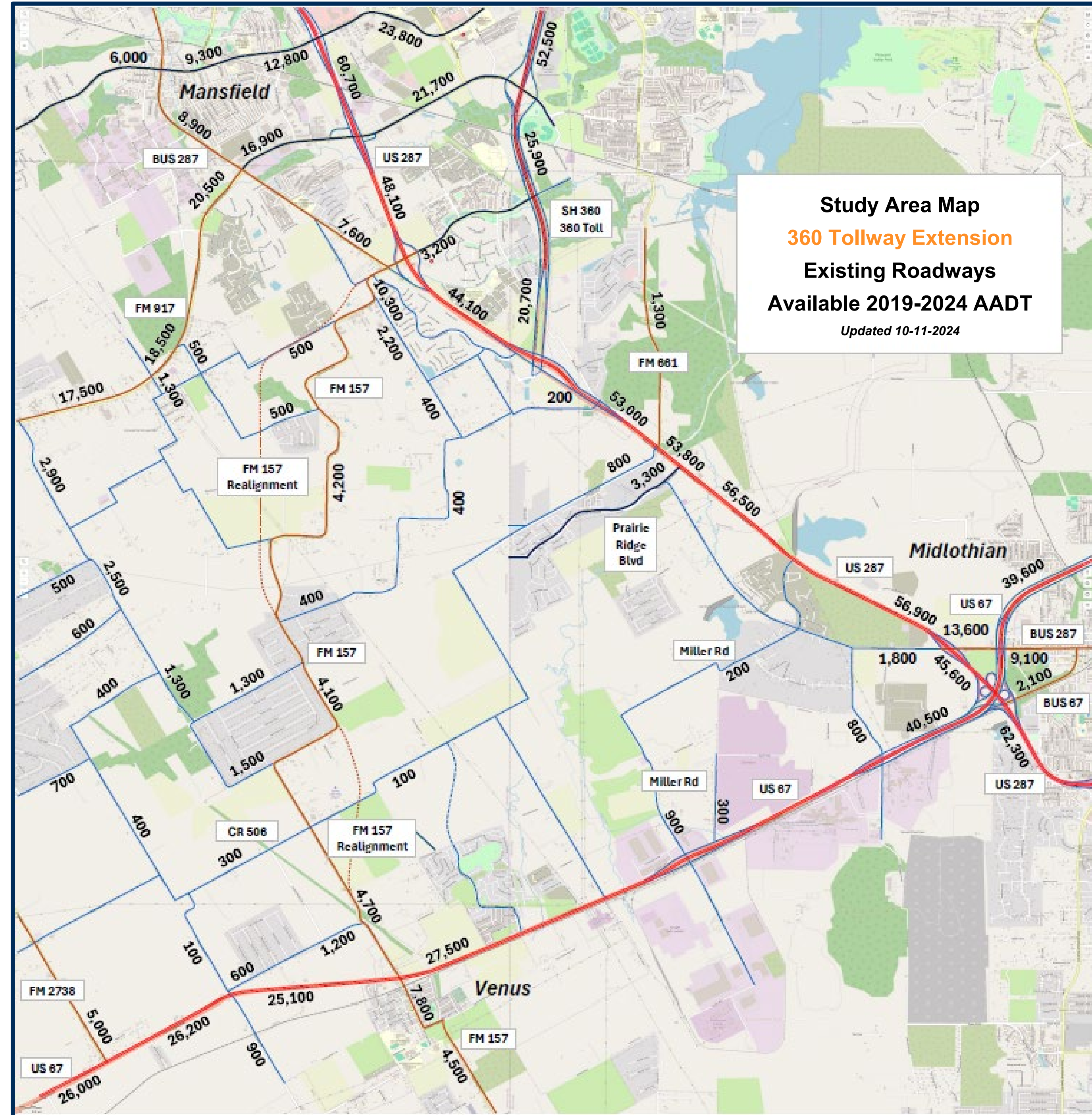
Regional Travel Demand (2045)

- 326 million vehicle miles traveled daily
- 46% increase over 2023

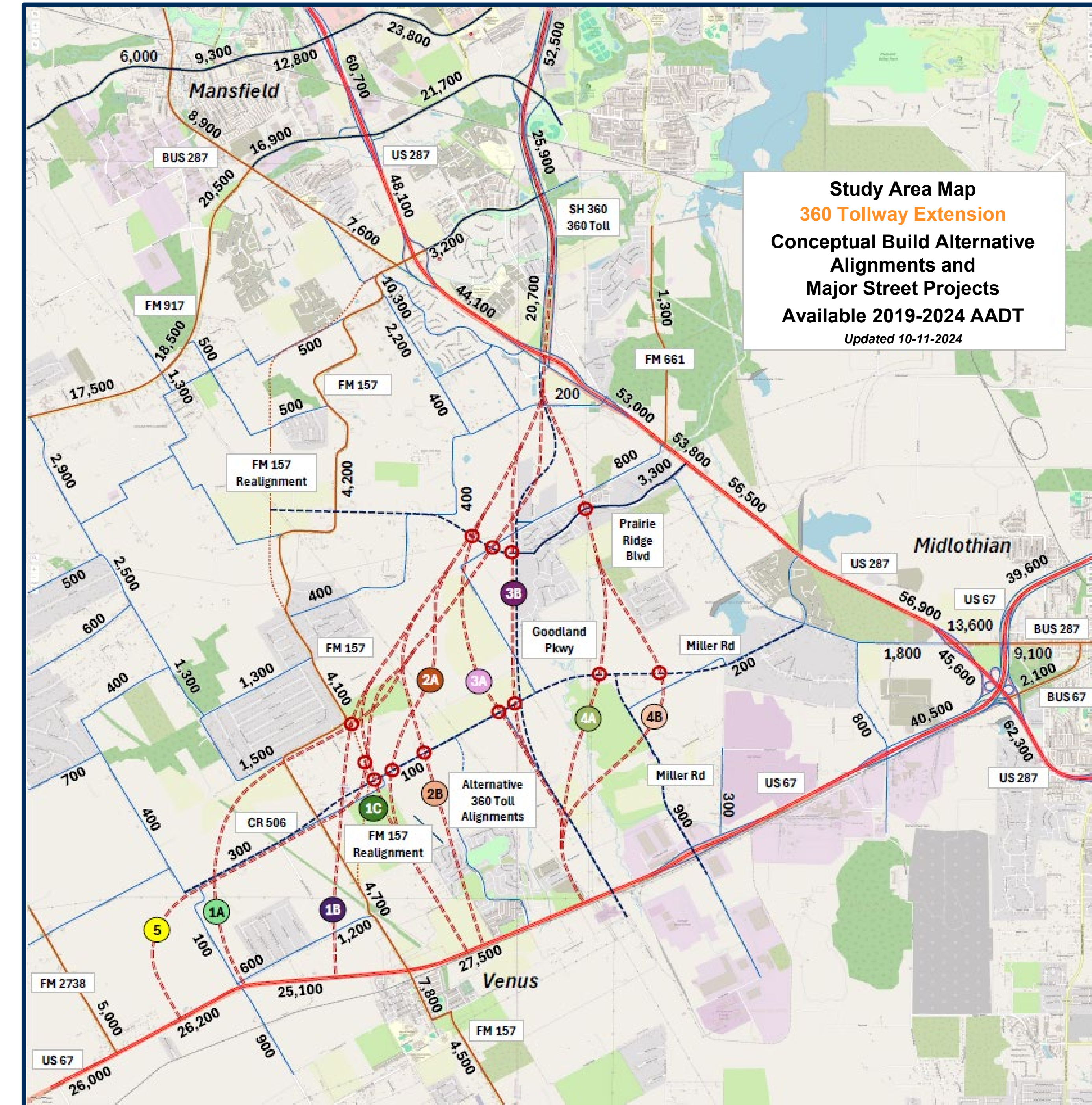


Purpose and Need Average Annual Daily Traffic (AADT)

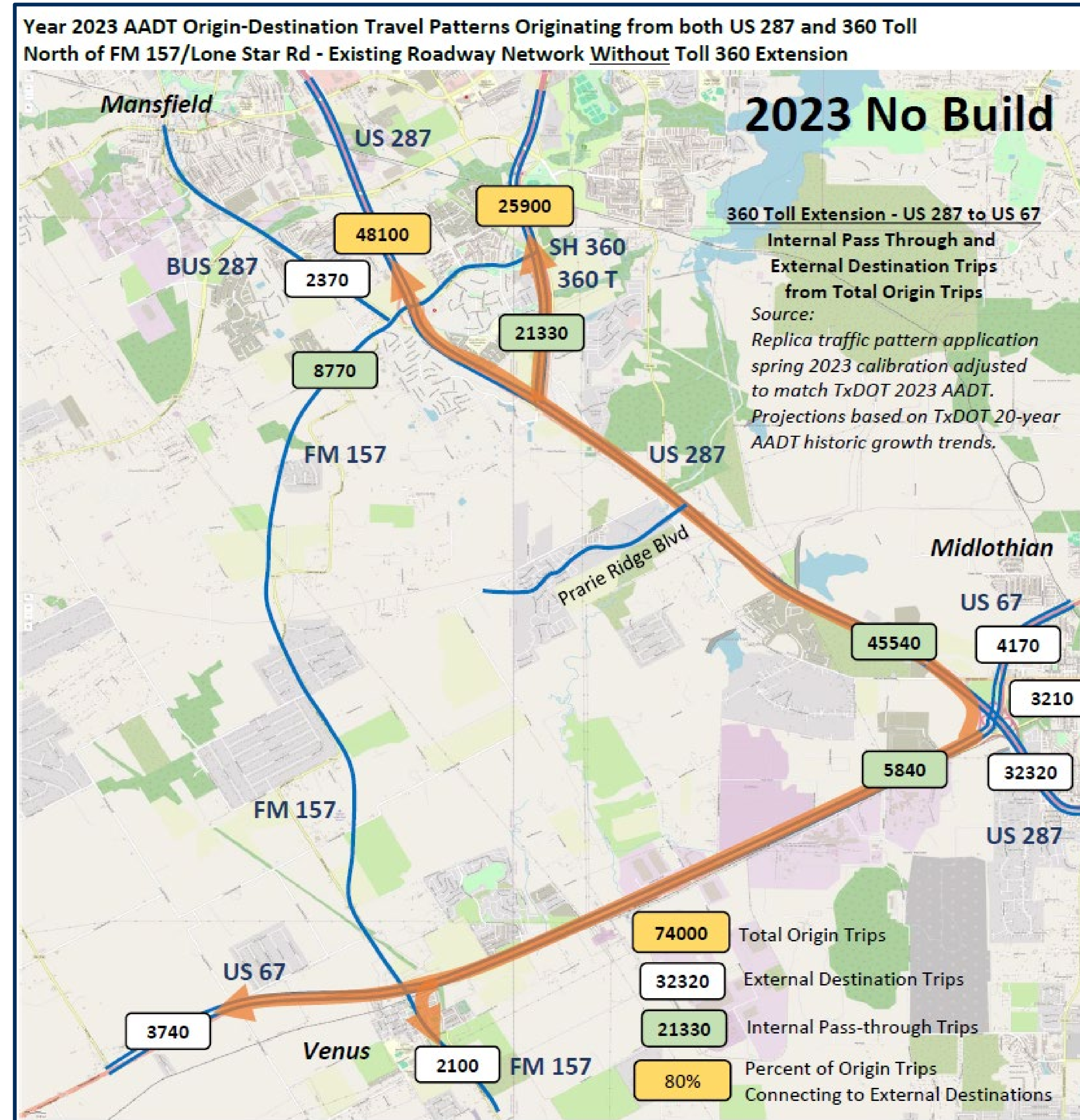
Existing Roadways



360 Tollway Extension Conceptual Alignments



Purpose and Need Origin & Destination Trips



360 Tollway Extension | Solution Search

No-Build Alternative

Description:

- **“Do-Nothing”** (Do not construct a 360 Tollway Extension)
- Regional D/FW Area Metropolitan Transportation Plan improvements are assumed to occur without installing a 360 Tollway Extension
- This option is used as a **baseline comparison** to the Build Alternatives

Build Alternatives

Alternative Alignment Considerations:






- Achieve an acceptable Level of Service for **Year 2050 traffic volumes**
- Integrate tie-in road improvements; future US 67 & US 287 interchanges
- Integrate Municipality Objectives
- Bike / Pedestrian Accommodation
- Limit Environmental & Land impacts

Evaluate and Compare each Alternative to produce a Recommended (Technically Preferred) Build Alternative

360 Tollway Extension | Build Alternatives Considered

- Cities and counties in the project study area have proposed 360 Tollway Extension alignments within their various municipal documents:
 - Thoroughfare Plans
 - Comprehensive Plans
 - Land Use Plans
- The Transportation Department at the North Central Texas Council of Governments (NCTCOG) serves as the Metropolitan Planning Organization for the 12-county Dallas-Fort Worth region and has programmed a placeholder 360 Tollway Extension alignment into the region's Metropolitan Transportation Plan known as the *Mobility 2045 Update*
- Alongside local municipalities, a recent NCTCOG study recommended a 360 Tollway Extension alignment (see Build Alternative 5)
- The comparison No-Build Alternative would not construct a 360 Tollway Extension

360 Tollway Extension | Alternative Evaluation Criteria

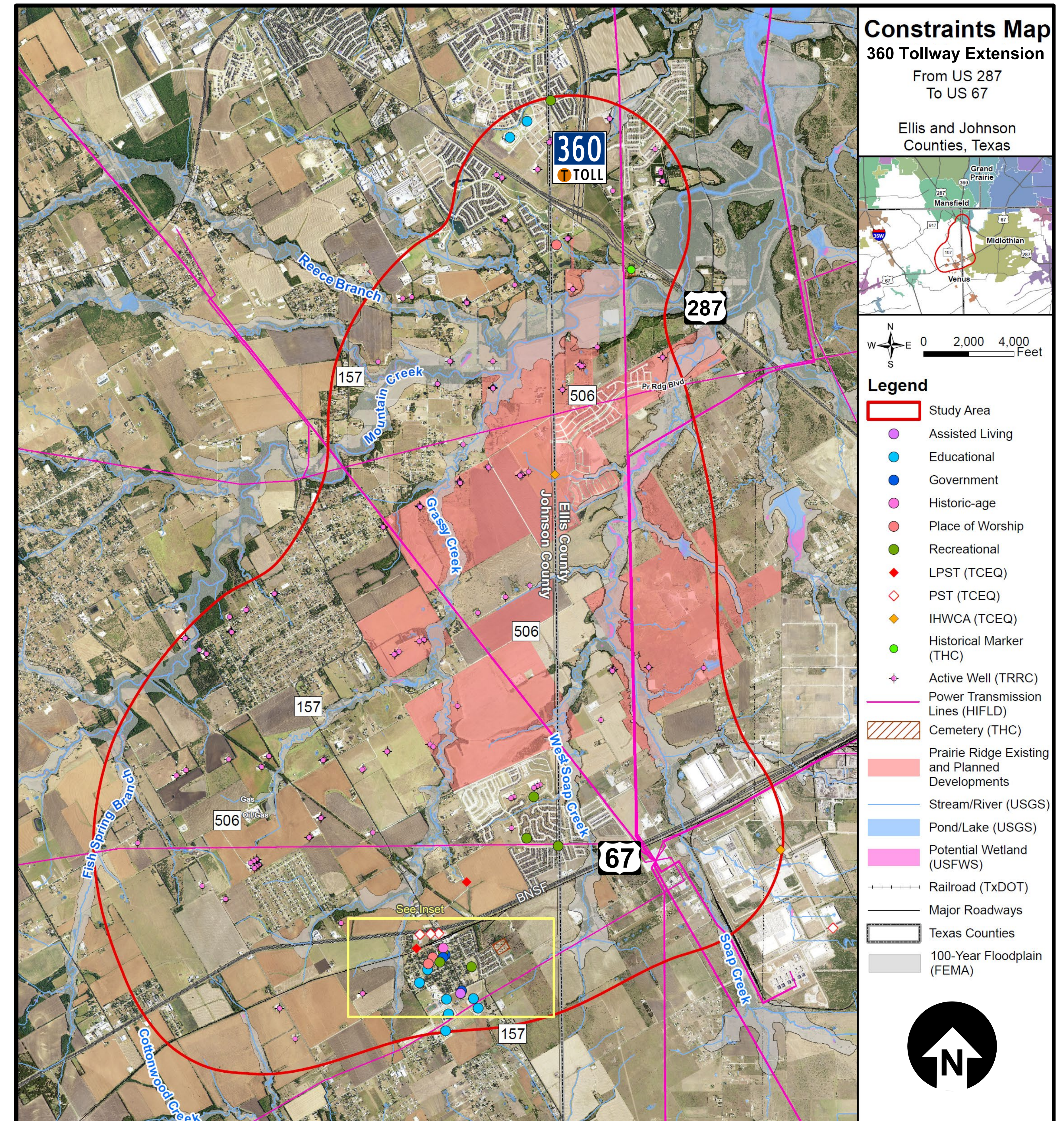
Alternative Evaluation Category		Evaluation Criteria
 Mobility	Level of Service (quality of traffic flow)	Provides an acceptable Year 2050 traffic volume demand solution which achieves long-term traffic operations efficiency, connectivity and system reliability
 Environment	Section 404 Jurisdictional Waters	Number of potential Sec. 404 Juris. Waters in the proposed right-of-way footprint
	Impacts to farmland and prime soils	Estimated potential acres within the proposed right-of-way footprint
 Engineering	Impacts to existing utilities	Number within the proposed right-of-way footprint
	Bridges in potential riverine locations	Number of potentially challenging hydraulic conditions and permitting sites
 Community	Land Parcels Impacted	Number within the proposed right-of-way footprint
	Structure Displacements	Number within the proposed right-of-way footprint
	Nearby Residences	Number of noise receivers / residences located within 300 feet of the proposed right-of-way footprint
 Municipality Planning and Objectives	Local municipality and regional plans	Integrates with Thoroughfare Plans and D/FW Metropolitan Transportation Plan
	Local development and land use plans	Integrates with or avoids impacting existing and planned developments

This representative, condensed list of Evaluation Criteria will be expanded and evaluated in more detail as the project's Environmental Assessment progresses.

360 Tollway Extension

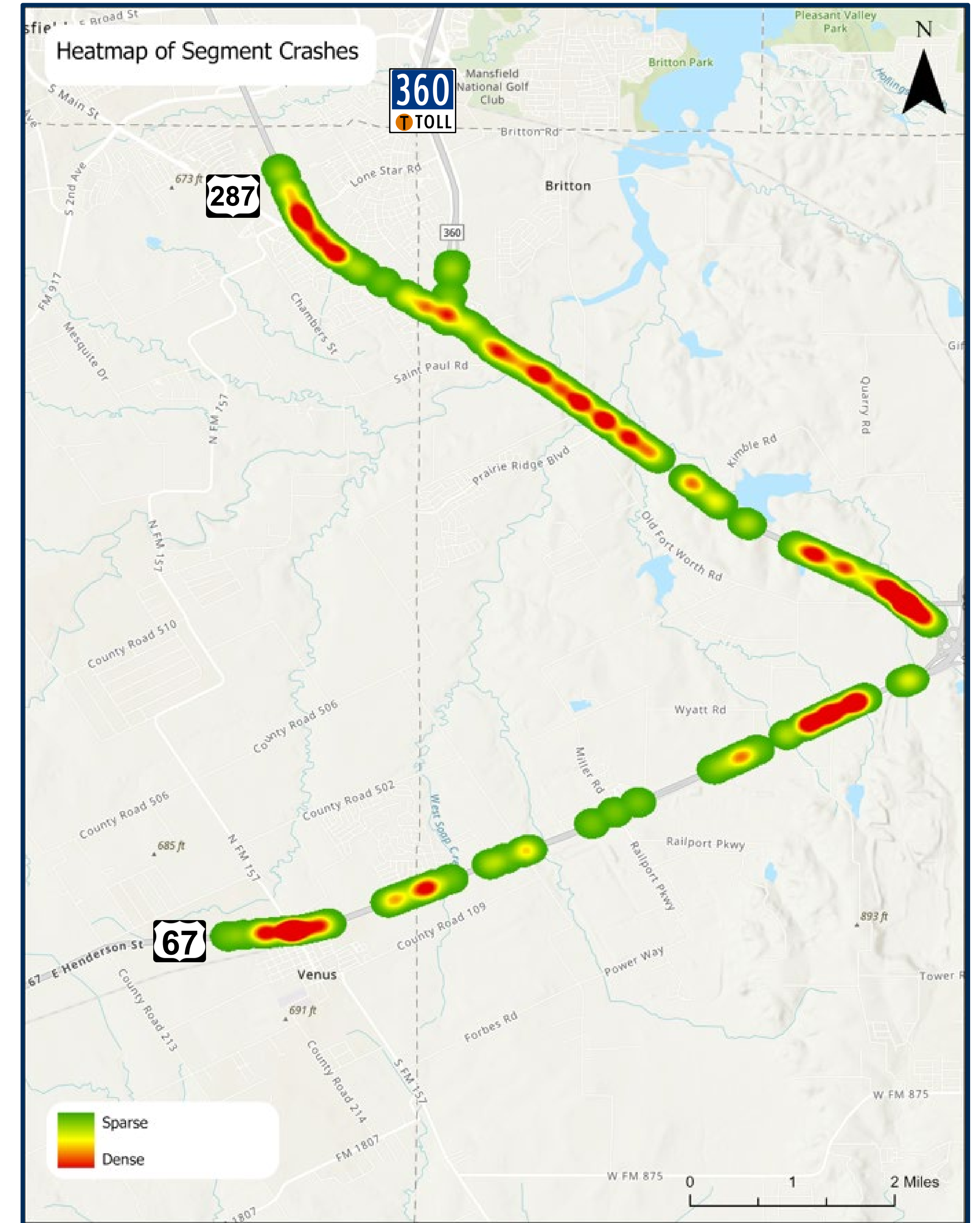
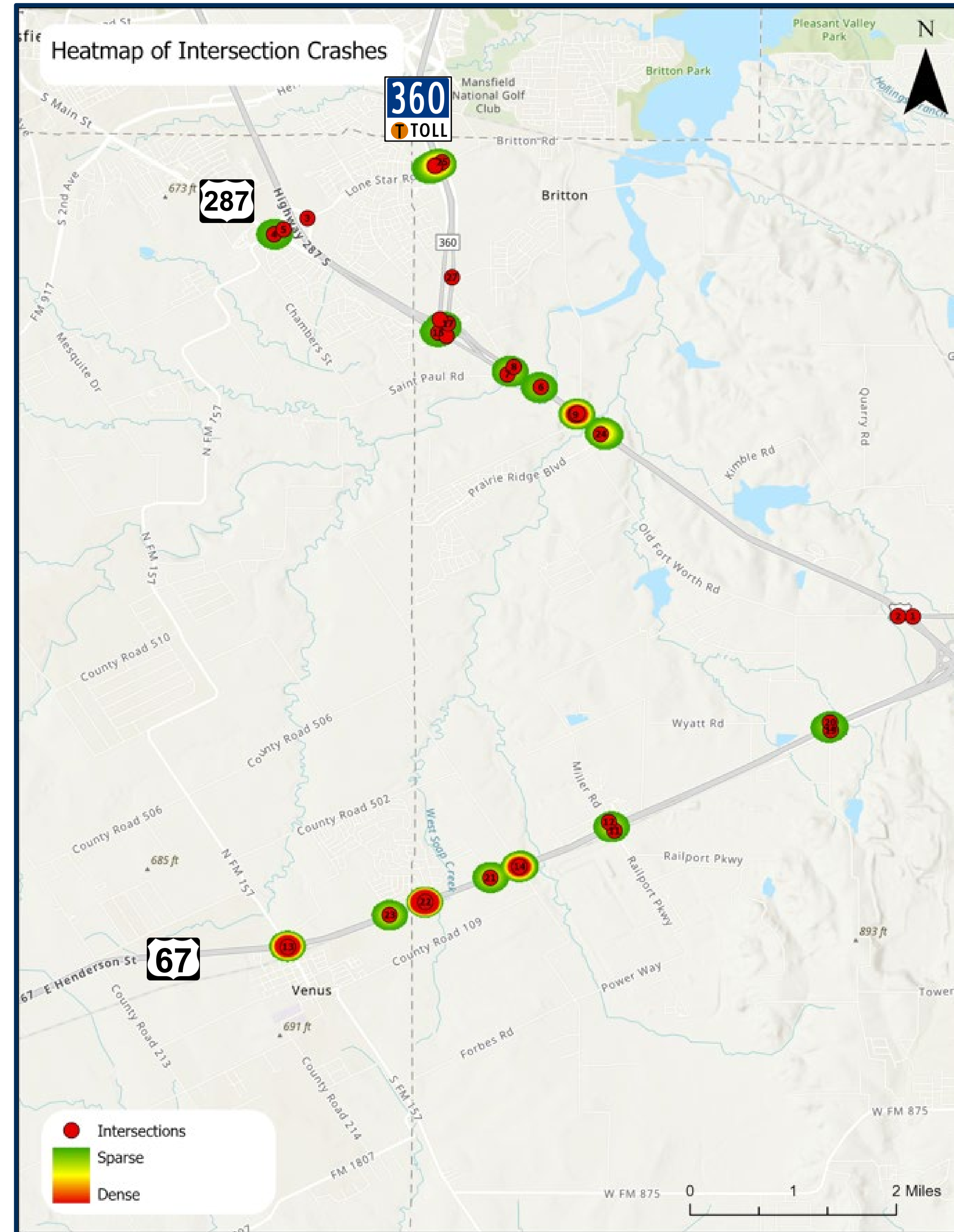
Environmental Constraints Map

The Constraints Map is used to locate each speculated Build Alternative alignment within the project study area and to evaluate the potential environmental impacts of each Alternative.



2021 to 2023 Crash History

Crash Data is used to identify crash-prone locations and to assess how the construction of a Build Alternative, and its adherence to current day safety standards, could potentially lessen or avoid future crashes involving the same or proximate locations.



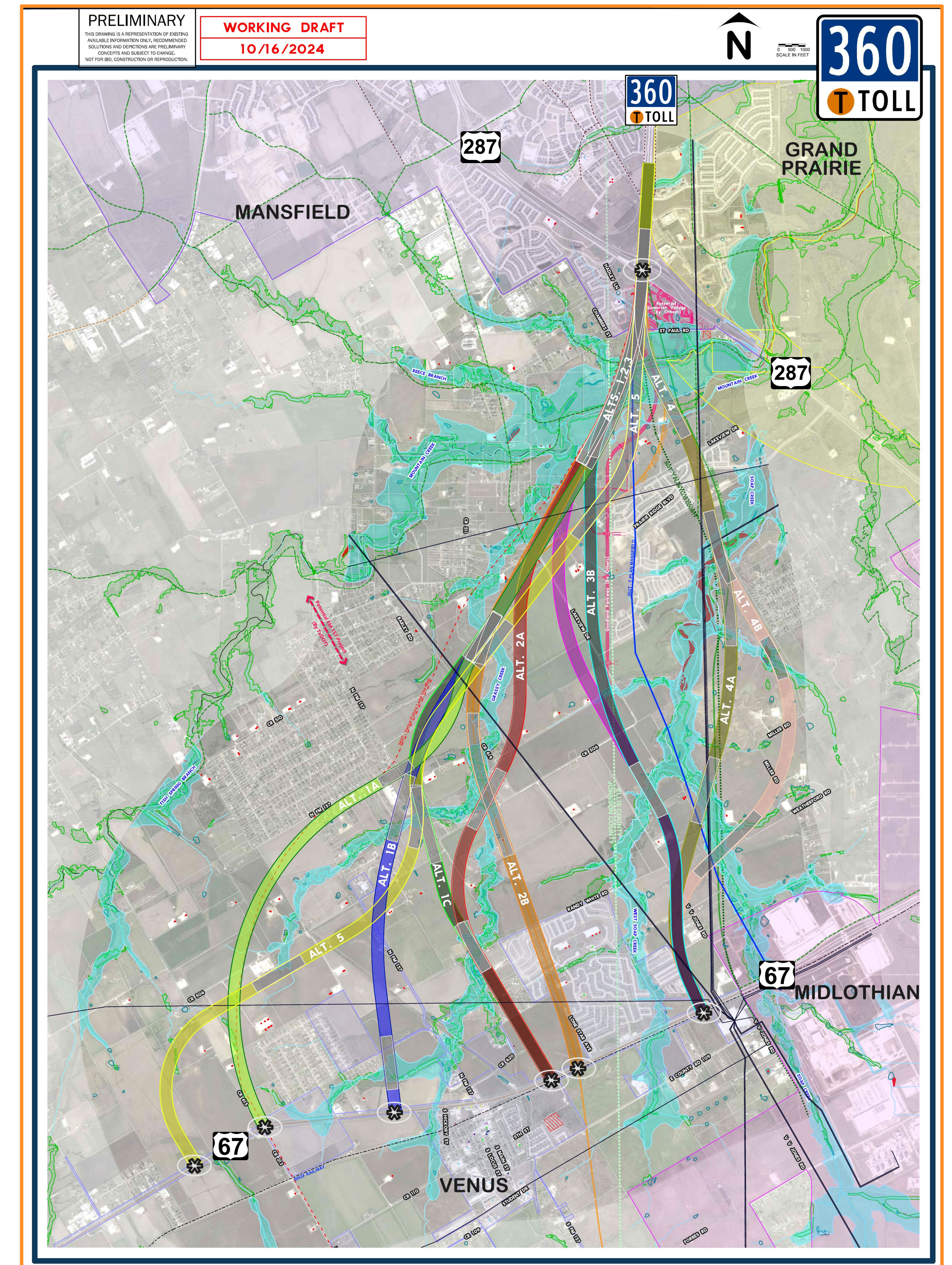
360 Tollway Extension Range of Build Alternatives

Multiple conceptual Build Alternative alignment options have been produced to extend the 360 Tollway from US 287 southward to US 67.

The Build alignments are located in eastern Johnson County and western Ellis County and share various common alignment segments.

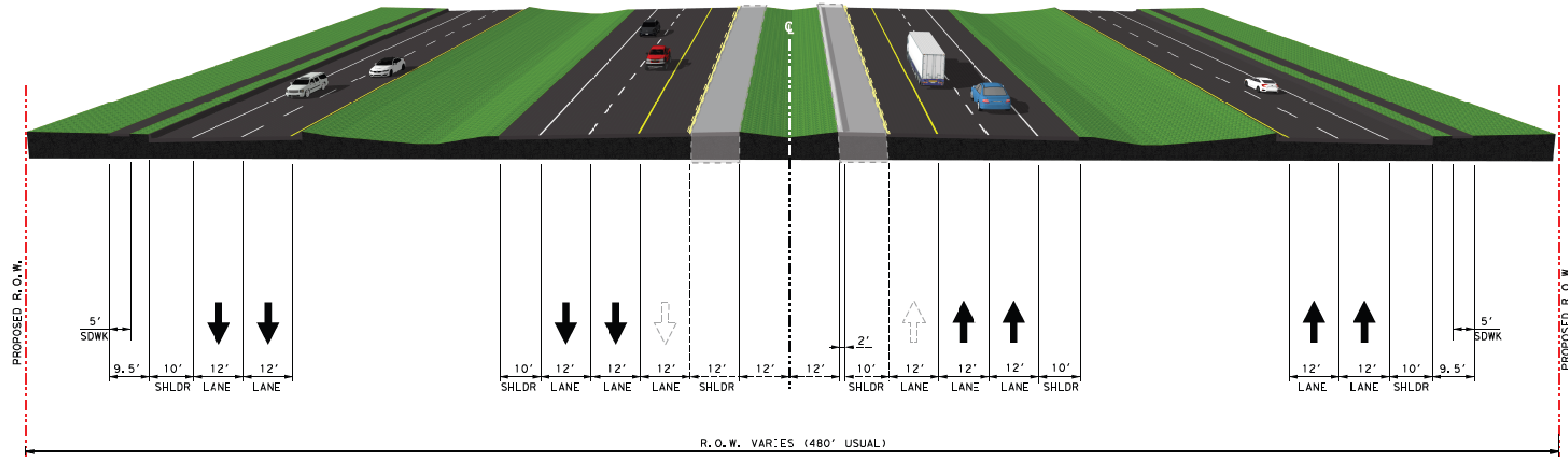
The No-Build and Build Alternatives will each be evaluated to produce a Recommended Build Alternative (360 Tollway Extension alignment).

View the large-scale Diagrammatic of Build Alternative Alignments displayed at the 360 Tollway Extension Public Meeting



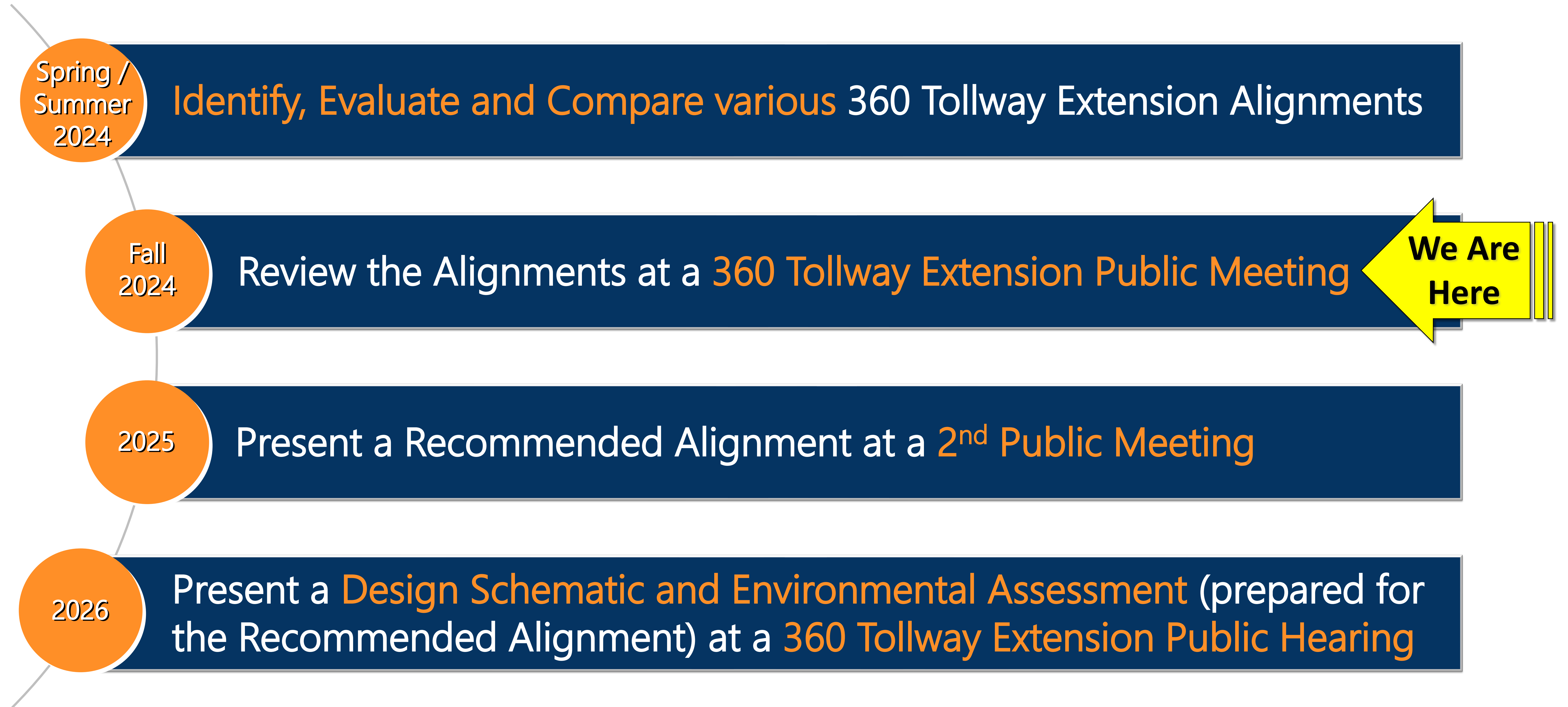
360 Tollway Extension

Build Alternative Preliminary Typical Section*



*Frontage Road and Access Ramp locations will be determined in Design Schematic phase

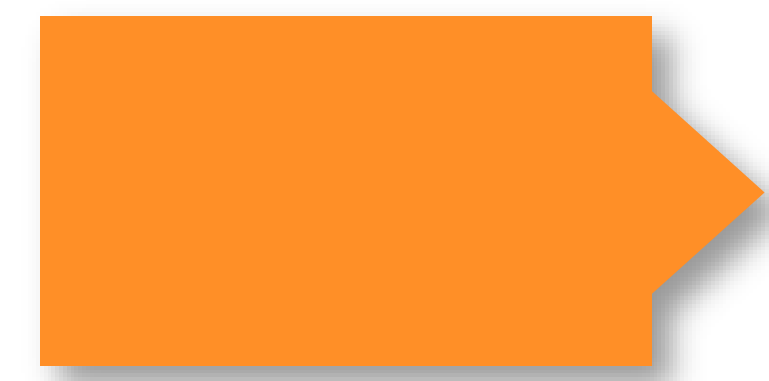
Anticipated Schedule



FEEDBACK REQUEST– WE WANT TO HEAR FROM YOU!

Please provide comments and input on the 360 Tollway Extension project.

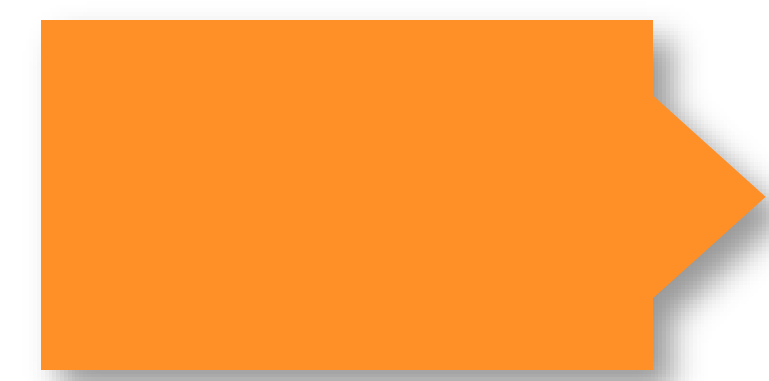
Examples of information you can share:



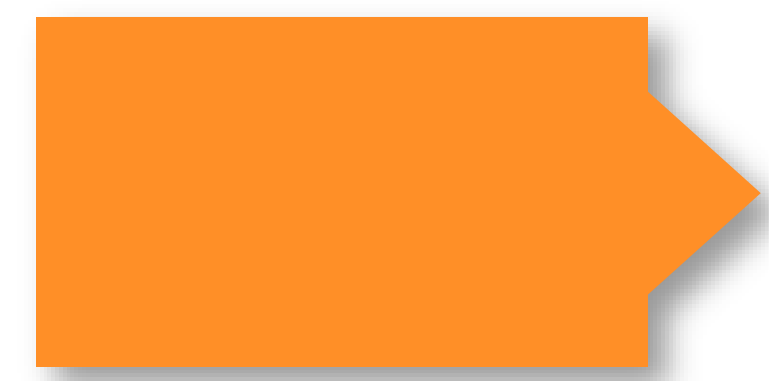
Questions about access/wayfinding.



Additional environmental constraints and conceptual Extension alignments not currently identified.



Future development we should know about.



Interested groups that would like more information.

How to Submit Comments

Please submit your comments regarding the 360 Tollway Extension Project using any of the methods below.

Comments must be received or postmarked on or before Thursday, November 7, 2024, to be included in the Public Meeting Summary.



Project Website

[https://www.ntta.org/
360-tollway](https://www.ntta.org/360-tollway)



Email

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Mail Comments

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