



Virtual Public Scoping Meeting

Spur 399 Extension US 75 to US 380

CSJ: 0364-04-051
Collin County

February 23, 2021




Given the unique circumstances of the COVID-19 outbreak,

TxDOT has changed the in-person Public Scoping Meeting to a virtual format only.


The Virtual Public Scoping Meeting and the TxDOT website will provide the same information as an in-person meeting would have.

What you should know about COVID-19 to protect yourself and others




Know about COVID-19

- Coronavirus (COVID-19) is an illness caused by a virus that can spread from person to person.
- The virus that causes COVID-19 is a new coronavirus that has spread throughout the world.
- COVID-19 symptoms can range from mild (or no symptoms) to severe illness.




Know how COVID-19 is spread

- You can become infected by coming into close contact (about 6 feet or two arm lengths) with a person who has COVID-19. COVID-19 is primarily spread from person to person.
- You can become infected from respiratory droplets when an infected person coughs, sneezes, or talks.
- You may also be able to get it by touching a surface or object that has the virus on it, and then by touching your mouth, nose, or eyes.




Protect yourself and others from COVID-19

- There is currently no vaccine to protect against COVID-19. The best way to protect yourself is to avoid being exposed to the virus that causes COVID-19.
- Stay home as much as possible and avoid close contact with others.
- Wear a mask that covers your nose and mouth in public settings.
- Clean and disinfect frequently touched surfaces.
- Wash your hands often with soap and water for at least 20 seconds, or use an alcohol-based hand sanitizer that contains at least 60% alcohol.




Practice social distancing

- Buy groceries and medicine, go to the doctor, and complete banking activities online when possible.
- If you must go in person, stay at least 6 feet away from others and disinfect items you must touch.
- Get deliveries and takeout, and limit in-person contact as much as possible.




Prevent the spread of COVID-19 if you are sick

- Stay home if you are sick, except to get medical care.
- Avoid public transportation, ride-sharing, or taxis.
- Separate yourself from other people and pets in your home.
- There is no specific treatment for COVID-19, but you can seek medical care to help relieve your symptoms.
- If you need medical attention, call ahead.



Know your risk for severe illness

- Everyone is at risk of getting COVID-19.
- Older adults and people of any age who have serious underlying medical conditions may be at higher risk for more severe illness.



cdc.gov/coronavirus



This meeting has six essential purposes



- ✓ Explain the Environmental Impact Statement (EIS) process
- ✓ Present alternatives to be studied in the EIS
- ✓ Provide the project's Purpose and Need
- ✓ Share what TxDOT will consider during the project
- ✓ Present the schedule and project steps
- ✓ Gather public input



Scoping meetings help start the NEPA (National Environmental Policy Act) process for an EIS

Documents To Review



DOCUMENTS:

- 1) ***Purpose and Need*** - explains why a project is being developed and provides the basis for evaluation of alternatives
- 2) ***Range of Alternatives*** – shows all alternatives TxDOT is considering
- 3) ***Methodology and Level of Detail for Analyzing Alternatives*** – provides more details about how alternatives will be analyzed
- 4) ***Coordination Plan*** - plan and schedule for coordinating public and agency participation

A Preferred Alternative will be presented for your comment at the Public Hearing expected to be held Summer of 2022.

Why is TxDOT Looking at More Alternatives?



MORE

Alternatives

NEPA requires TxDOT, as part of the EIS process, to evaluate all viable alternatives considered and eliminated during the Feasibility Study, as well as others developed by TxDOT.

- ✓ TxDOT's Recommended Alignment was based on the data collected during the US 380 Collin County Feasibility Study
- ✓ TxDOT is gathering more data that could change previously studied alignments
- ✓ TxDOT must find an alternative that would best accomplish the project's Purpose and Need and considers the factors in the Alternatives Analysis
- ✓ TxDOT continues to try and develop the least impactful alternative possible for this project, however this is a challenge due to the many constraints

How to Submit Your Comments



Online

Comment form
is located on

[www.keepitmovingdallas.com/
Spur399EISScopingMeeting](http://www.keepitmovingdallas.com/Spur399EISScopingMeeting)



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COMMENTS MUST BE SUBMITTED BY MARCH 10, 2021

PROJECT CONTACT: For general comments about the presentation or project, please contact TxDOT project manager, Stephen Endres, P.E. at Stephen.Endres@txdot.gov

Public Scoping Meeting Materials and Project Information



PROJECT WEBSITES

Virtual Public Scoping Meeting:

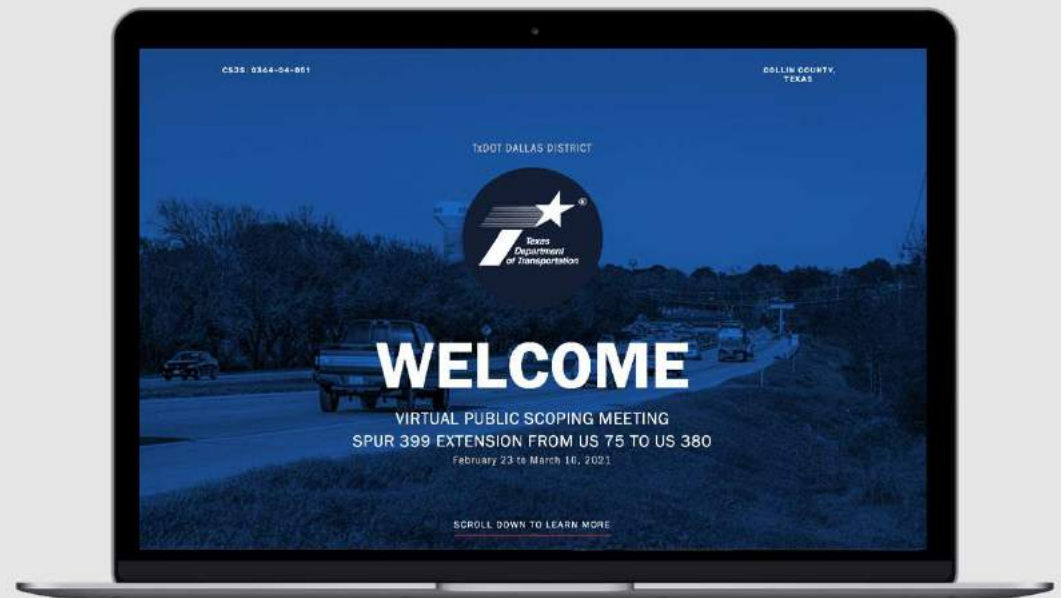
www.Keepitmovingdallas.com/Spur399EISScopingMeeting

Other sites:

Keepitmovingdallas.com

Under "Public Hearings/Meetings"

TxDOT.gov





PROJECT DEVELOPMENT WHERE WE'VE BEEN



2016

Collin County identified US 380 as a priority project for a Limited Access Roadway study. The location is not specified.



2017-2020

TxDOT Feasibility Study recommended an alignment for a freeway across Collin County.



2020

TxDOT begins the Spur 399 Extension US 75 to US 380 Environmental Impact Statement (EIS) and Schematic Design Project.

Project Background – Collin County Feasibility Study Highlights



THE FEASIBILITY STUDY:

Highlights



Developed new location alignments that could draw traffic away from US 380 and other congested roadways while also addressing the area's growth



Discovered there could be a benefit to providing another north-south connection in addition to US 75 and SH 5



Other modes such as transit, bicycle, and pedestrian travel were determined to be unable to independently relieve traffic congestion



Determined that constructing a freeway was the best option that meets study criteria



Coordinated with municipalities, McKinney National Airport, Collin County, North Texas Municipal Water District, and Encore Wire



Received over 18,000 public comments - the majority were supportive of a freeway, however many concerns were expressed about locations of proposed alignments

Project Development – 5 Independent Projects



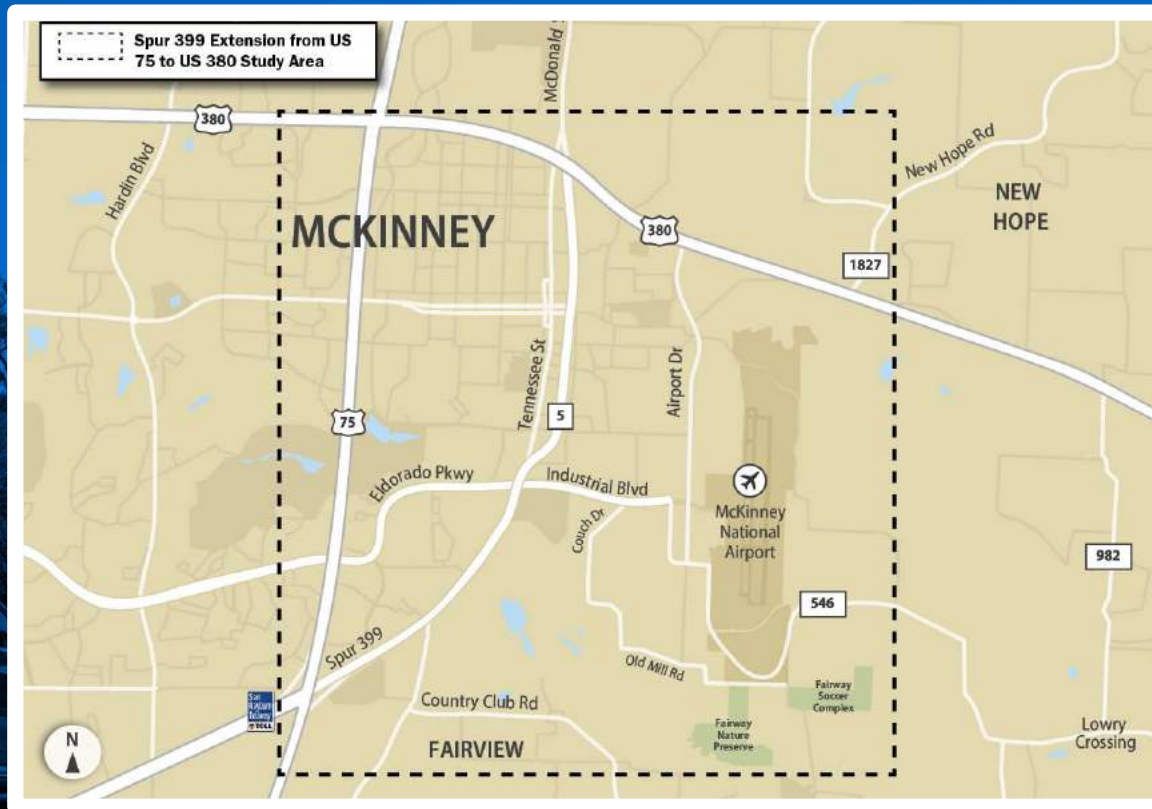
THE RECOMMENDED ALIGNMENT



**THE RECOMMENDED ALIGNMENT HAS BEEN BROKEN
INTO 5 PROJECTS OF INDEPENDENT UTILITY**

- TxDOT has initiated Schematic and Environmental studies for each section shown in different colors on the map
- This Virtual Public Scoping Meeting will address the **PURPLE** Alignment which represents the TxDOT Recommended Alignment from the Feasibility Study for the Spur 399 Extension from US 75 to US 380

Project Area



**PROJECT LIMITS:
US 75 to US 380**



Spur 399 Extension from US 75 to US 380

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EIS

ENVIRONMENTAL IMPACT STATEMENT

- ✓ The National Environmental Policy Act (NEPA) requires federal agencies to assess the environmental effects of their proposed actions prior to making decisions
- ✓ An Environmental Impact Statement (EIS) is prepared when it is anticipated that a proposed project could significantly affect the quality of the human and natural environment
- ✓ This phase of the project is a more in-depth and focused study using the information from the Feasibility Study
- ✓ Adhering to NEPA is required on any project that would receive any federal funding



NEPA PROCESS

National
Environmental
Policy Act

TxDOT is developing an EIS under an agreement with the Federal government.

TxDOT'S NEPA ASSIGNMENT

The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried-out by TxDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 9, 2019, and executed by the Federal Highway Administration (FHWA) and TxDOT.

La revisión ambiental, consultas y otras acciones requeridas por las leyes ambientales federales aplicables para este proyecto están siendo o han sido, llevado a cabo por TxDOT - en virtud de 23 U.S.C. 327 y un Memorando de Entendimiento fechado el 9 de diciembre del 2019, y ejecutado por la FHWA y TxDOT.

Scoping and the EIS Process



Scoping is an open process involving the public and federal, state, and local agencies that determine a range of issues, alternatives, and potential environmental impacts considered in the EIS.



SCOPING

WE ARE HERE

FALL 2020 - SPRING 2021

- **Host Agency and Public Scoping Meetings -**
present and gather input on the draft Purpose and Need, Range of Alternatives, Methodology and Level of Detail for Analyzing Alternatives, and Coordination Plan
- **Issue Notice of Intent (NOI)**



ANALYSIS & PUBLIC MEETING

SPRING 2021 - FALL 2021

- **Conduct Analysis of Alternatives**
- **Analyze Alternatives for Potential Impacts**
- **Host Public Meeting -**
present and gather input on Reasonable Alternatives, design schematics, and findings of environmental studies



DRAFT EIS & PUBLIC HEARING

FALL 2021 - SUMMER 2022

- **Identify Preferred Alternative**
- **Further Develop Schematic Design**
- **Host Public Hearing -**
present and gather input on the draft EIS document including the Preferred Alternative



FINAL EIS & RECORD OF DECISION

SUMMER 2022 - WINTER 2023

- **Finalize the EIS**
- **Issue Record of Decision**

Project Tasks: More Detailed Evaluation



MORE DETAILED

Evaluation

TxDOT will complete more detailed evaluation during this phase of project development including:

- ✓ Prepare Methodology and Level of Detail for Analyzing Alternatives
- ✓ Develop plans to address future travel demand
- ✓ Further analyze population and employment growth
- ✓ Design a freeway to current roadway design and safety standards
- ✓ Conduct field assessments and surveys to determine locations of resources such as wetlands, floodplains, and culturally sensitive areas
- ✓ Evaluate any potential noise, air quality, and community impacts
- ✓ Complete more in-depth economic impact studies

Criteria Evaluated During the EIS Process



Review the Methodology and Level of Detail to Analyze Alternatives



REVIEW:

- Purpose and Need, Engineering, Public Input, and Environmental Resources categories
- Detailed analysis that must go into the project before TxDOT evaluates alternatives during the EIS process

COMMENT:

- What other resource categories should be addressed?
- Are there additional or updated study methodologies that should be considered?

The Alternatives Analysis and Reasonable Alternatives will be presented for public comment at the Public Meeting expected to be held Fall of 2021.

Project Tasks: More Detailed Design



MORE DETAILED

Design

TxDOT will complete schematic design during this phase of project development including:



Complete preliminary engineering tasks such as:

- Determine how much right-of-way is needed
- Customize typical sections for different locations
- Develop ramp locations and interchange configurations
- Determine the constructability of the project
- Calculate more detailed cost estimates
- Complete drainage design
- Consider bicycle and pedestrian accommodations

Project Tasks: More Coordination



MORE

Coordination

TxDOT will complete more coordination during this phase of project development including:

- ✓ Coordination Plan available for public review on the meeting website
- ✓ Coordinate with resource agencies
- ✓ Continue to work with area cities, towns, and county to update future development and transportation plans
- ✓ Complement the current and planned roadway network in the region
- ✓ Consider nearby roadway projects and proposed McKinney National Airport expansion
- ✓ Coordinate with major utilities such as North Texas Municipal Water District



PROJECT PURPOSE & NEED

PURPOSE



IMPROVE
NORTH-SOUTH
MOBILITY



IMPROVE
CONNECTIVITY

NEED

The project is needed because of reduced mobility and connectivity between the eastern portion of Collin County and destinations south of McKinney.

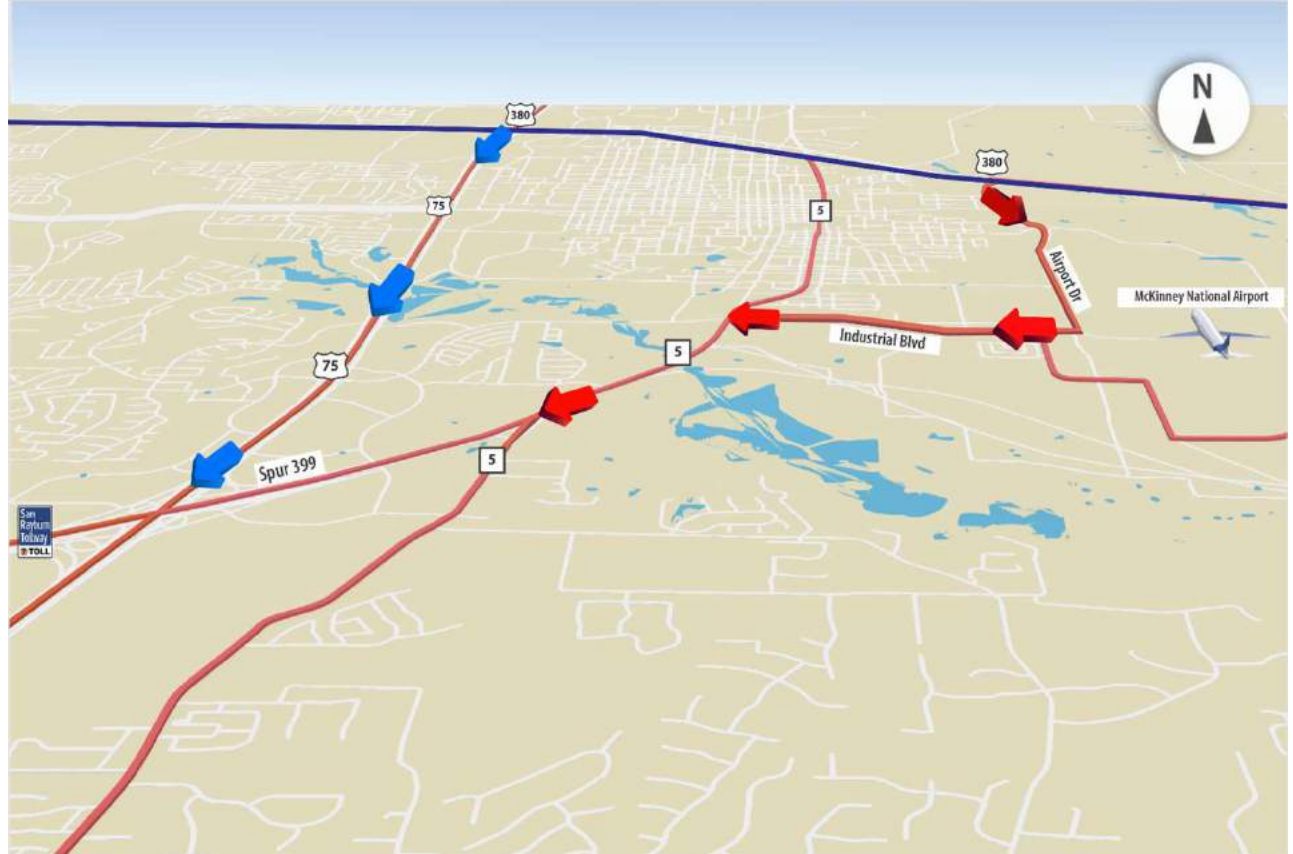
[View the Purpose and Need Memorandum on the meeting website.](#)

Existing Conditions

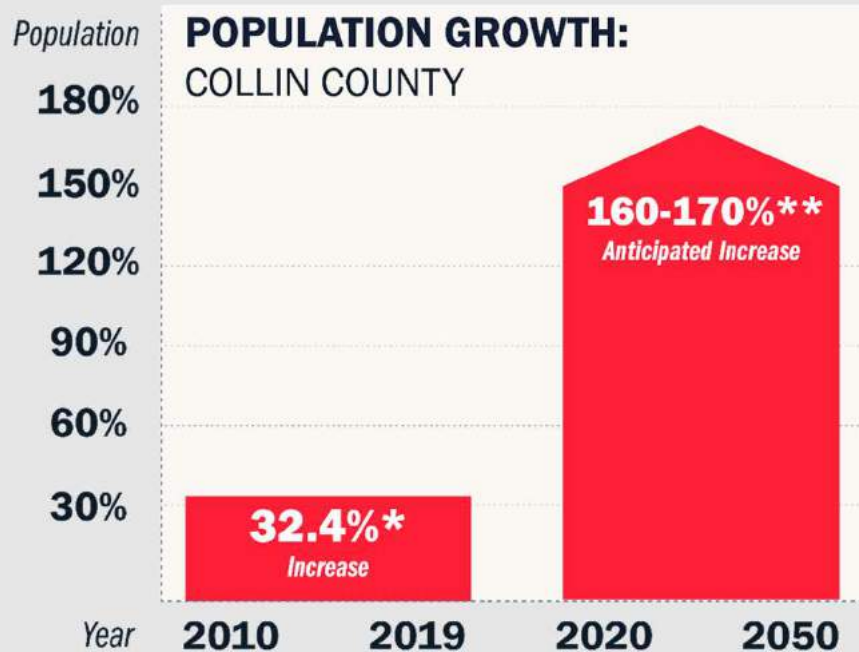
EXISTING

Conditions

- ✓ Spur 399 is a limited-access highway
- ✓ Other major north-south roadways include US 75, SH 5, and Airport Drive
- ✓ Drivers from northern and eastern Collin County take US 75 or SH 5 to travel south
- ✓ Motorists are using alternative routes to avoid congestion

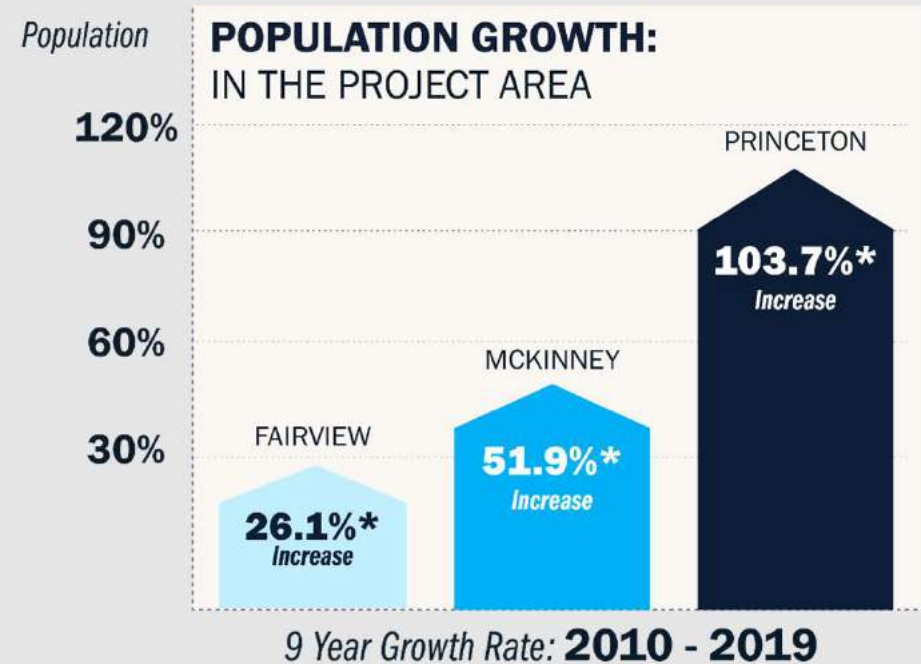


Population Growth



* Source: US Census 2019

* Source: Texas State Demographer 2014 population projections by migration scenario

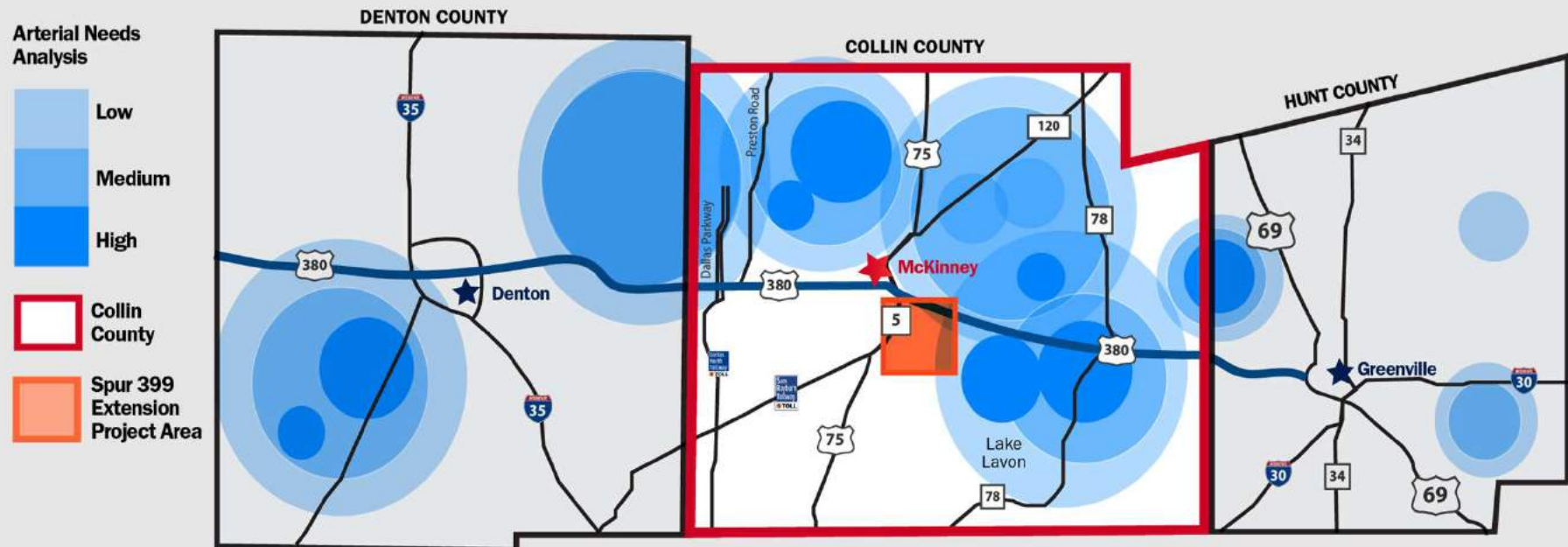


* Source: US Census Bureau, American Fact Finder, July 2020

Not Enough Roadways to Support Travel Demand



AREAS WITH DEFICIENT EXISTING ARTERIAL NETWORKS

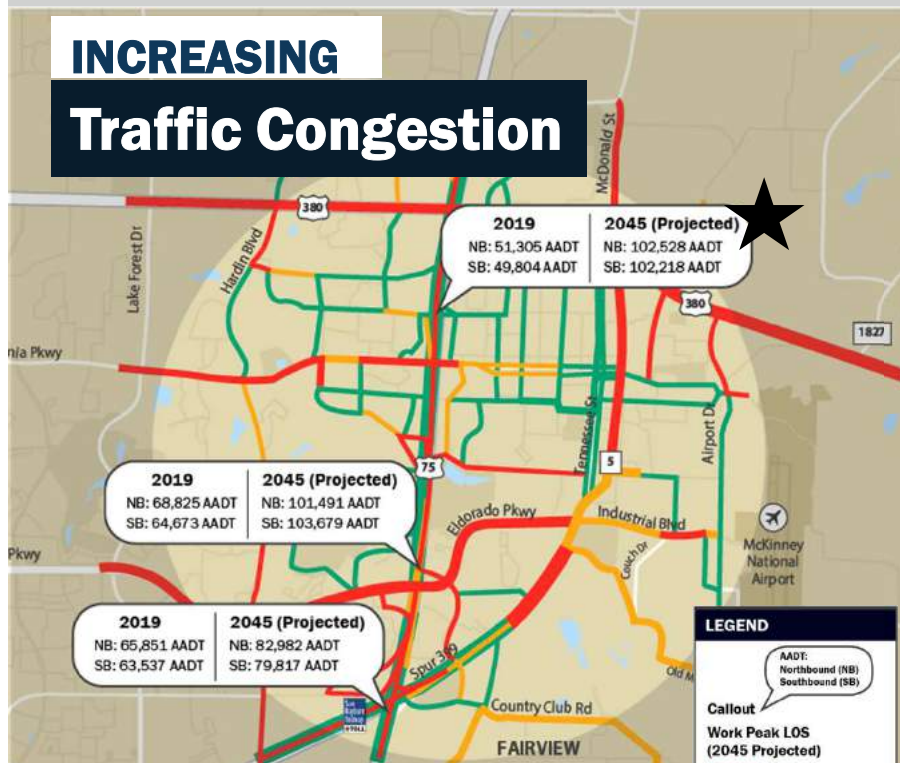


Source: Data obtained from NCTCOG 2045 MTP

Increasing Traffic Congestion



INCREASING Traffic Congestion



US 75 Level of Service and Traffic Volumes

Source: Kimley-Horn, November 2020; data obtained from NCTCOG 2045 MTP

Traffic Volume

120%

100%

80%

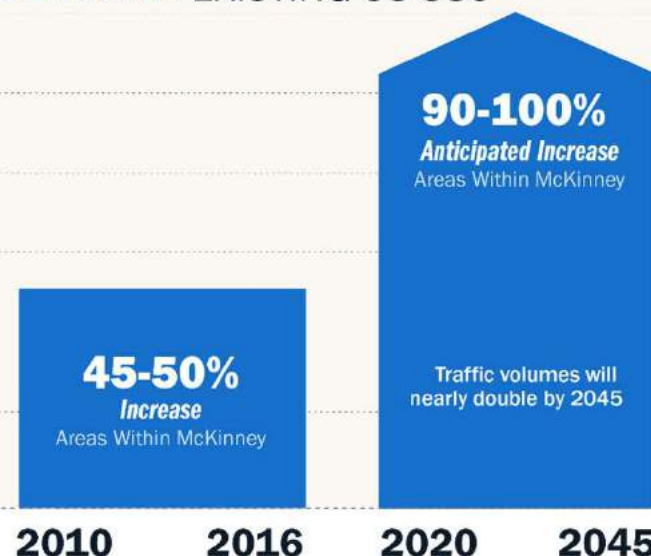
60%

40%

20%

Year

CURRENT & FORECASTED TRAVEL DEMAND: EXISTING US 380



Source: NCTCOG 2045 Metropolitan Transportation Plan, Mobility 2045

Spur 399 Extension from US 75 to US 380

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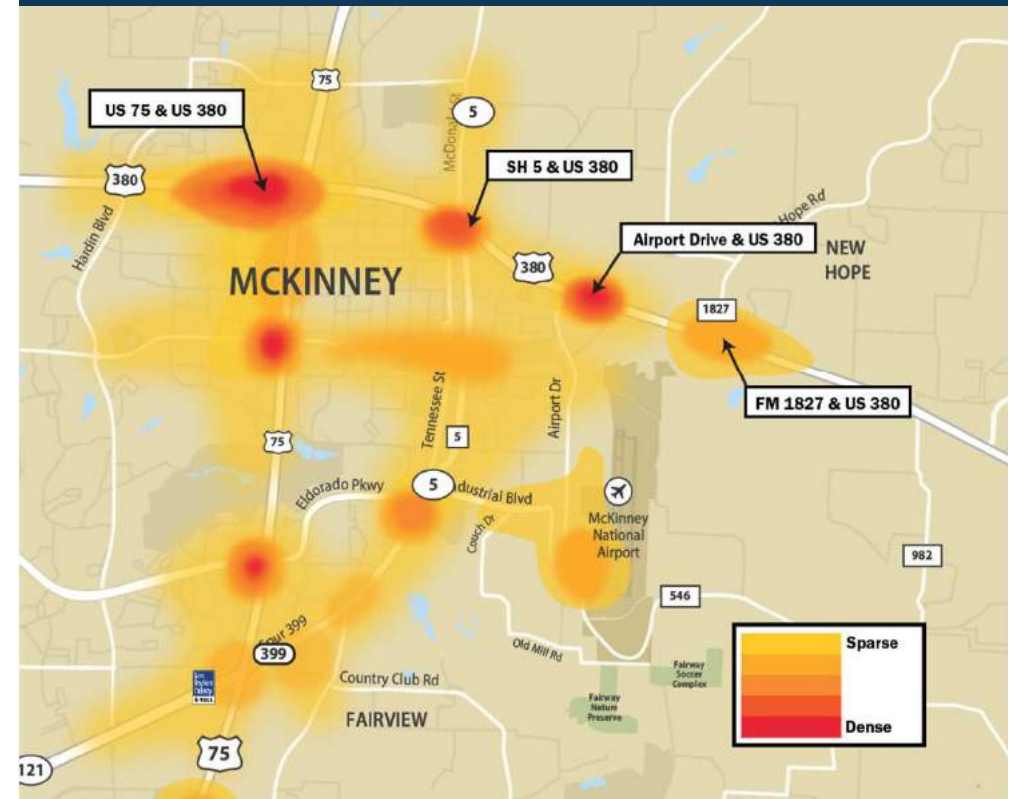
Avoiding Bottlenecks and Incidents

CONGESTED

Roadways

Incidents and construction projects worsen the constrained capacity and congestion along US 75 and connecting roadways

Crash Rate Heat Map for Spur 399 Project Area



Highly Constrained Project Area



HIGHLY CONSTRAINED

Project Area

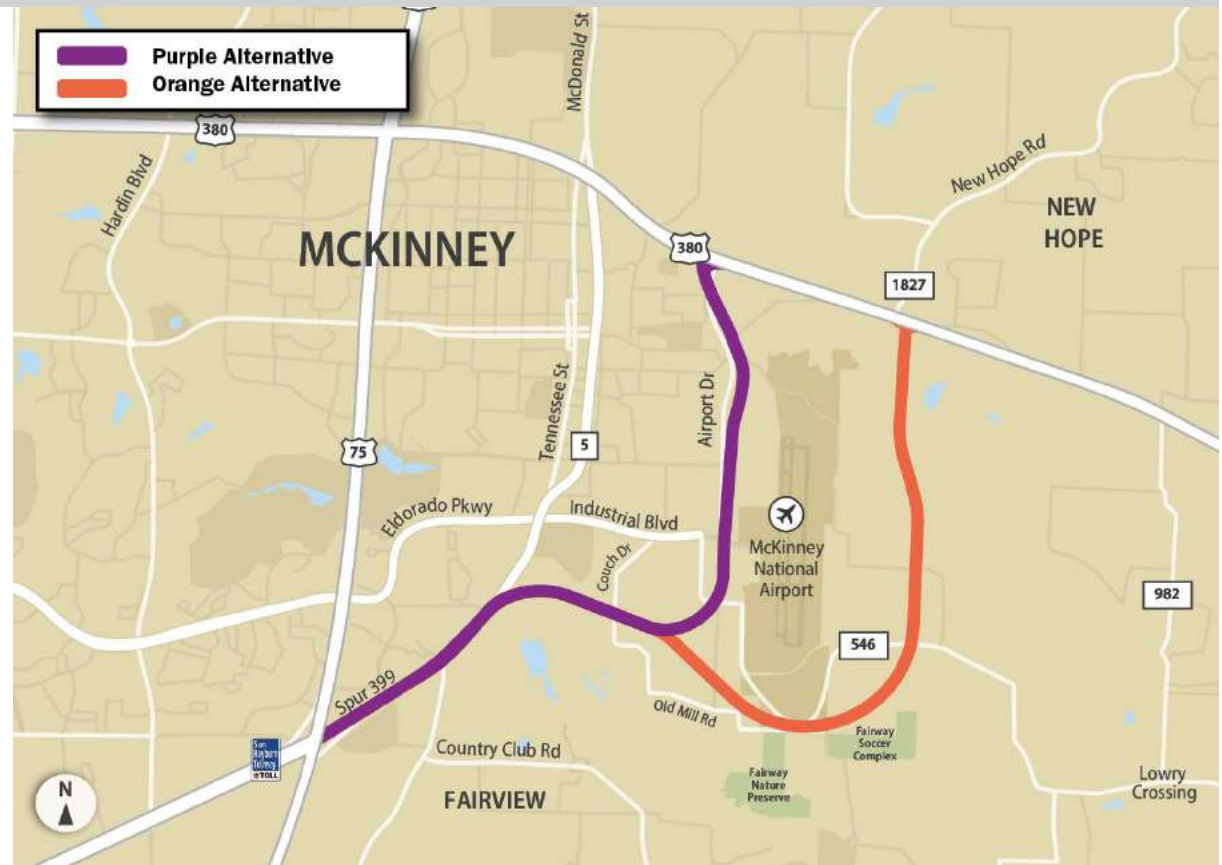
*There are many constraints
TxDOT must consider in this
project area that is rapidly
developing and growing*

- ✓ Neighborhoods
- ✓ McKinney National Airport
- ✓ Existing businesses and residences
- ✓ Future developments
- ✓ Existing and future parks
- ✓ USACE property, wetlands, floodplains, and streams
- ✓ Cemeteries and community facilities
- ✓ Utilities and water supply projects
- ✓ Landfills

Proposed Project

PROPOSED Project

Considering a No-Build
Alternative and two new
location freeway
alternatives



Spur 399 Extension from US 75 to US 380

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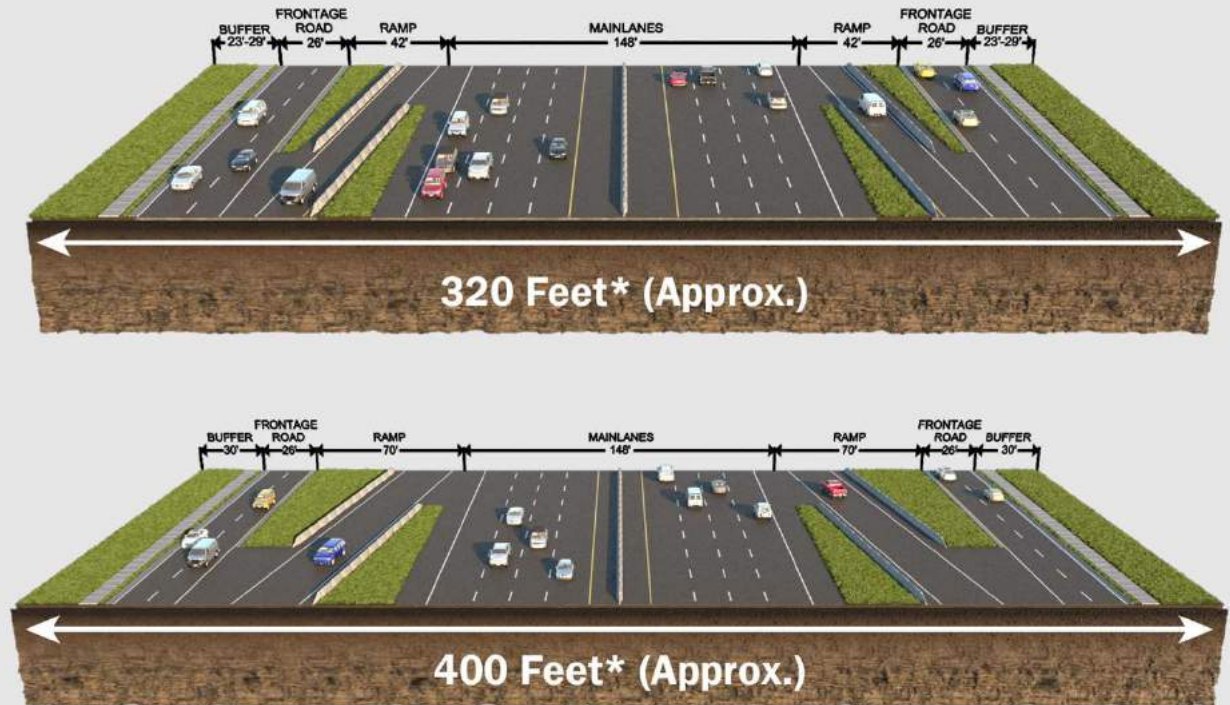
Proposed Project

PROPOSED

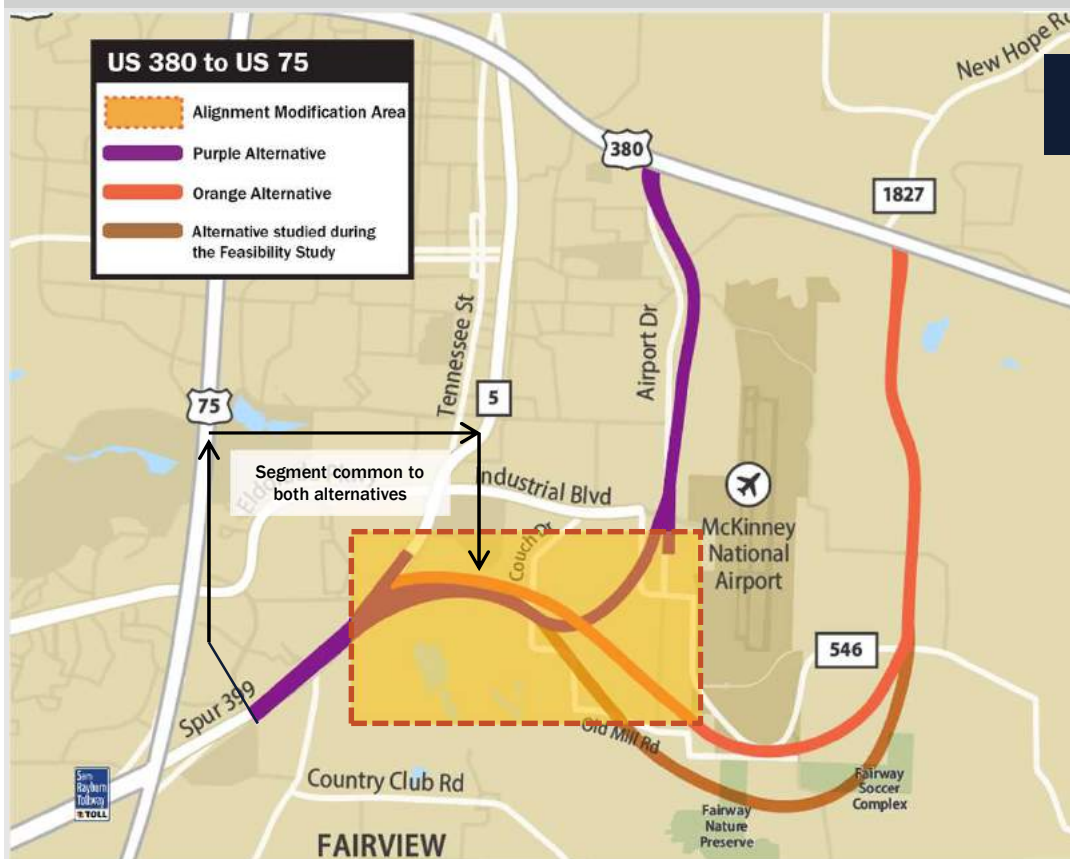
Project

Proposed to accommodate an eight-lane freeway with frontage roads

** Modification to the Lane Configurations and ROW width will occur as the project progresses*



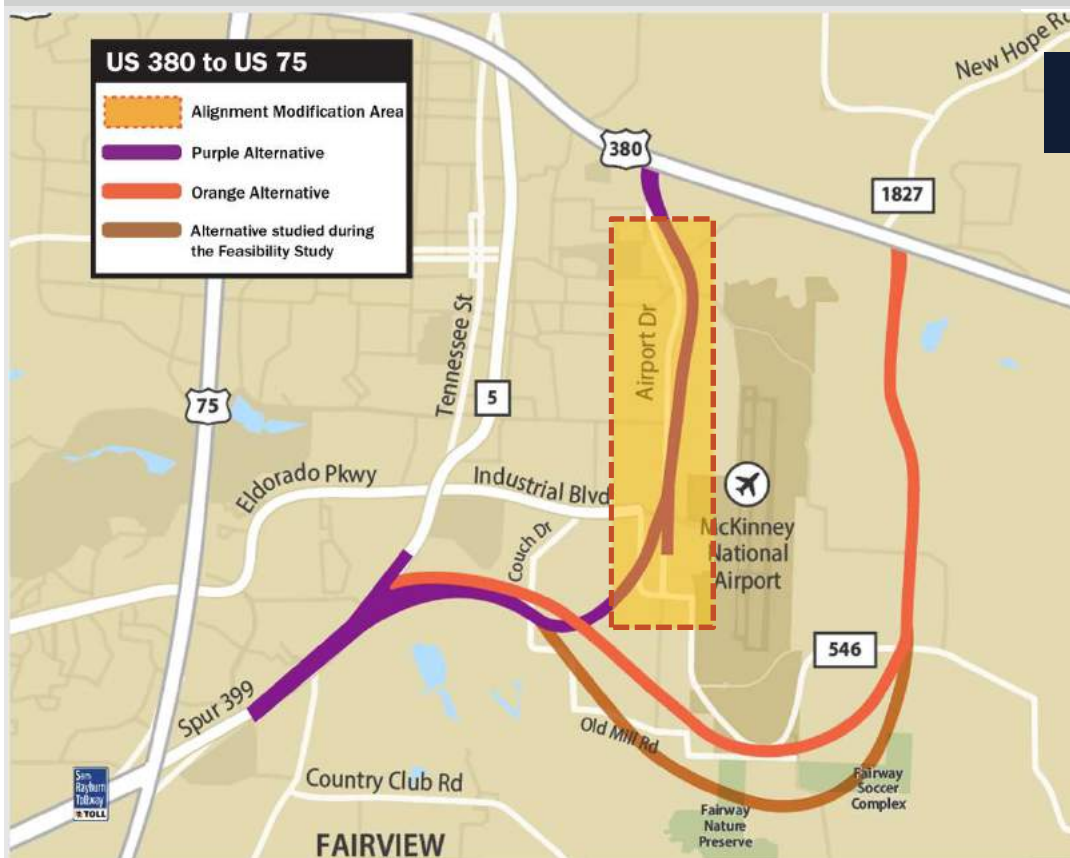
Alignment Changes Made Since the Feasibility Study



ALIGNMENT CHANGES

- ✓ Due to ongoing coordination with Collin County, city of McKinney, and the North Texas Municipal Water District, a small shift in alignments near the common segment is being considered
- ✓ Area is severely constrained due to the following:
 - Planned improvements to FM 546
 - Planned major utilities
 - McKinney landfill
 - McKinney National Airport
 - Industrial developments
- ✓ Other major constraints include wetlands, floodplain, and floodways

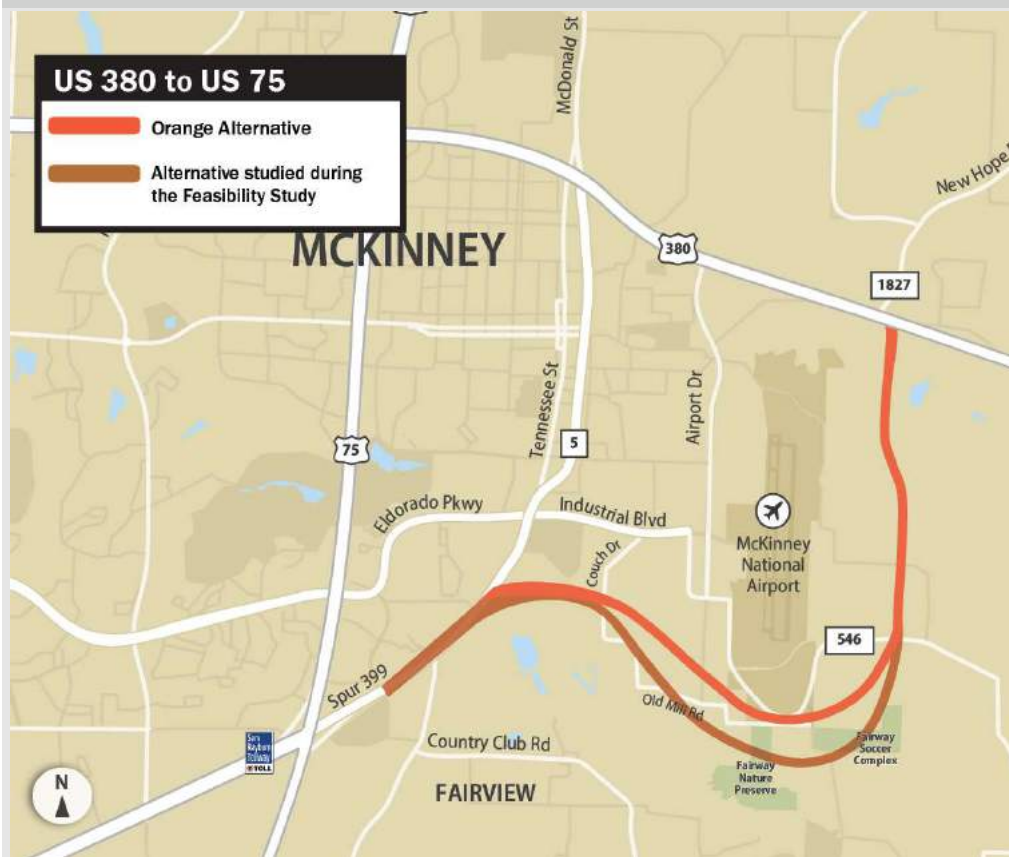
Alignment Changes Made Since the Feasibility Study



ALIGNMENT CHANGES

- ✓ Refined TxDOT Feasibility Study Alignment
- ✓ Reflects ongoing coordination with Encore Wire to accommodate facility access and expansion plans
- ✓ TxDOT must also consider impacts to McKinney National Airport, neighborhoods, and parks in this area

Alignment Changes Made Since the Feasibility Study



ALIGNMENT CHANGES

- ✓ Similar to an alignment presented but not selected as the Recommended Alignment during the Feasibility Study
- ✓ Shifted approximately 2,000 feet north, closer to the McKinney National Airport in order to avoid impacts to nearby parks and minimize impacts to residents
- ✓ Change not anticipated to impact current McKinney Airport expansion plans

Project Schedule



** Subject to change*



PROJECT DEVELOPMENT



Please Consider During Your Review



DOCUMENTS:

- Purpose and Need Memorandum
- Range of Alternatives
- Methodology and Level of Detail for Analyzing Alternatives
- Coordination Plan

ALIGNMENTS/ALTERNATIVES:

- A final alignment has not been chosen
- Alignments/alternatives being shown are conceptual
- Each concept is being shown with 320 to 400 foot right-of-way width

A Preferred Alternative will be presented for your comment at the Public Hearing expected to be held Summer of 2022.

How to Submit Your Comments



Online

Comment form
is located on

[www.keepitmovingdallas.com/
Spur399EISScopingMeeting](http://www.keepitmovingdallas.com/Spur399EISScopingMeeting)



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COMMENTS MUST BE SUBMITTED BY MARCH 10, 2021

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Thank You!



THANK YOU!

For taking the time to learn more about Spur 399

Extension improvements from US 75 to US 380.

Your input will help shape the future of the project.