



Public Meeting

Spur 399 Extension Project

US 75 to US 380

CSJ: 0364-04-051, 0047-05-058, 0047-10-002
Collin County

October 21, 2021

Project Development – 5 Independent Projects



THE RECOMMENDED ALIGNMENT



TxDOT initiated Schematic and Environmental studies for each section shown in different colors on the map

This Public 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

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

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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.

What We Heard – Spur 399 Extension Public & Agency Scoping Meetings



- ✓ Impacts to homes, parks, farmland, and historic properties
- ✓ Future development benefits and impacts
- ✓ Effects to environmental resources
- ✓ Impacts to major employers and their employees
- ✓ High level feedback from agencies regarding evaluation and review processes, and applicable regulations



PROJECT PURPOSE & NEED

PURPOSE



IMPROVE
NORTH-SOUTH
MOBILITY

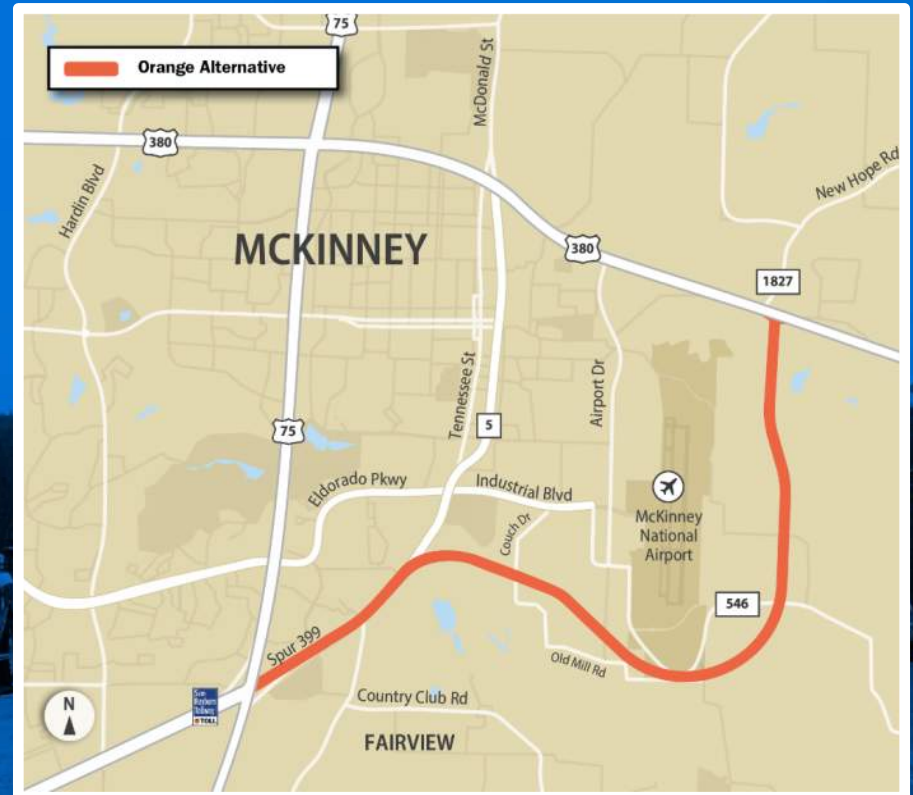
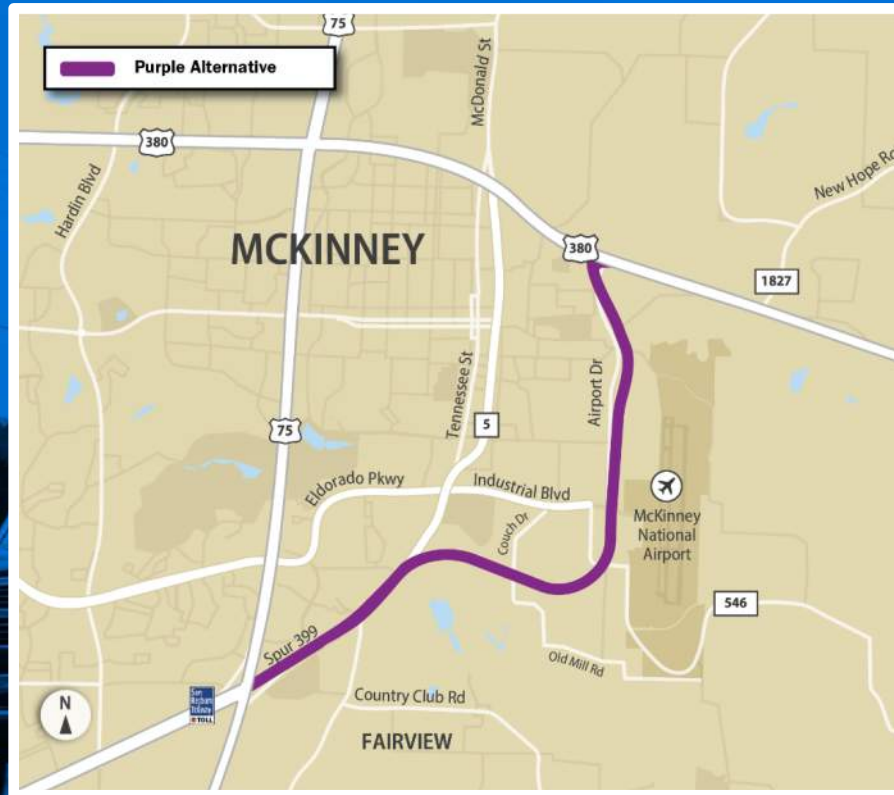


IMPROVE
CONNECTIVITY

NEED

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

Proposed Project – Reasonable Build Alternatives






Spur 399 Extension from US 75 to US 380

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Proposed Project – No-Build Alternative



A No-Build Alternative means no new improvements would be constructed. It is not a Reasonable Alternative and doesn't provide benefits shown below.

	PURPOSE & NEED CONSIDERATION	Improve North-South Mobility	Provide More Connectivity	Add Roadway Capacity	Support Regional Growth
	No-Build	✗	✗	✗	✗
	Purple Alternative	✓	✓	✓	✓
	Orange Alternative	✓	✓	✓	✓



SCHEMATIC

Design

Schematic design for the two Build Alternatives have been created and the following engineering tasks are being completed:

- ✓ Evaluating how much right-of-way (ROW) is needed
- ✓ Developing horizontal and vertical alternatives
- ✓ Customizing typical sections for different locations
- ✓ Developing ramp locations and interchanges
- ✓ Calculating cost estimates
- ✓ Evaluating and designing drainage elements
- ✓ Considering bicycle and pedestrian accommodations
- ✓ Determining the constructability of the project



DETAILED

Evaluation & Coordination

TxDOT is completing a detailed evaluation of the alternatives by completing these tasks:

- ✓ Frequent coordination with stakeholders, agencies, local governments, developers, major utilities, and property owners
- ✓ Conducting field assessments and surveys to determine locations of resources
- ✓ Compiling technical reports
- ✓ Considering how this project would affect local plans

ALTERNATIVES ANALYSIS MATRIX



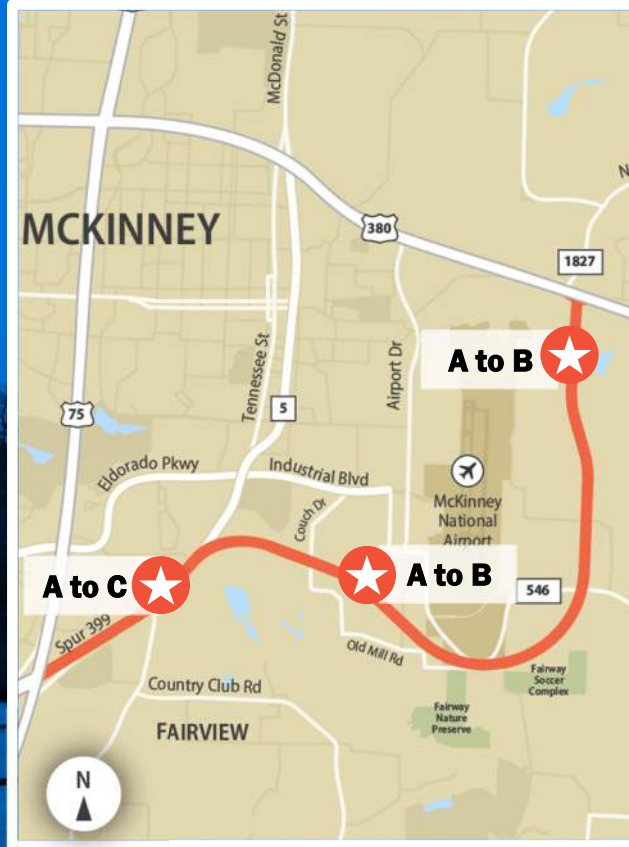
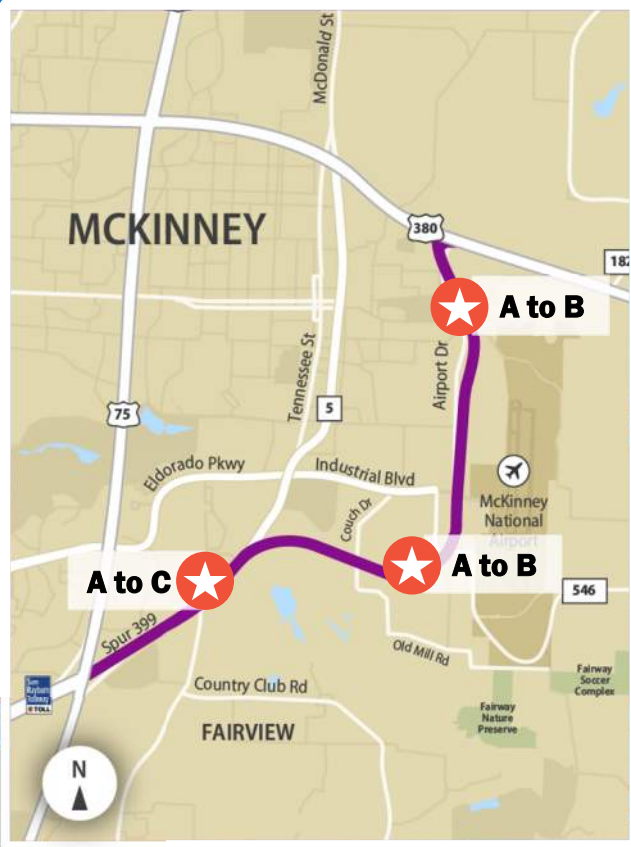
[VIEW THE ENTIRE MATRIX ON THE PUBLIC MEETING WEBSITE](#)

SPUR 399 EXTENSION - US 75 TO US 380

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SCREENING/EVALUATION CATEGORY <small>*The No-Build Alternative, constructing no new improvements, is also being considered and data will be included in the Environmental Impact Statement (EIS) documents.</small>		PURPLE ALTERNATIVE <small>Alternative west of the airport</small>	ORANGE ALTERNATIVE <small>Alternative east of the airport</small>	KEY TAKEAWAYS
Purpose & Need	Improve Mobility and Connectivity			<p>Both alternatives would offer acceptable Levels of Service ratings, better connect the arterial network, and enhance connectivity between eastern Collin County and the Dallas metropolis. The Orange Alternative also better connects US 380 and US 75 to the area on the east side of the McKinney National Airport and areas planned for future development.</p> <p>The Orange Alternative better supports future regional growth by providing approximately 18% more north-south roadway capacity than the Purple Alternative. This is because the Orange Alternative provides a new location freeway in addition to the existing Airport Drive, whereas (for the most part) the Purple Alternative would remove the existing Airport Drive and provides only a freeway. The Orange Alternative better serves regional northbound and southbound traffic by offering more options and an expanded network vehicle volume throughput.</p>
	Provide Capacity to Support Regional Growth			
Engineering	Total Alternative Length Along Centerline	4.8 miles	6.25 miles	The Purple Alternative is shorter than the Orange Alternative.
	Major Utility Conflicts	3 major utility conflicts	1 major utility conflict	For this project, TxDOT considers major utility conflicts to be transmission lines and pumping stations from gas, power, electric, water and wastewater utilities. The Orange Alternative would have 2 fewer major utility conflicts.
	Total Bridge Length (miles)	2.2 miles	2 miles	The Orange Alternative would have 0.2 fewer miles in bridged sections.
	Number of New Grade-Separated Interchanges	2 new interchanges	3 new interchanges	The Purple Alternative would have 1 fewer new grade-separated interchange.
	Amount of New Right-of-Way (ROW) Required (acres)	117 acres	233 acres	The Orange Alternative would require approximately twice the amount of acres of new ROW needed for construction compared to what the Purple Alternative would require for construction.
	Airport Access, Airport ROW, and Airspace			<p>Airspace considerations, runway safety areas, aircraft approach, and departure profiles would not be directly affected by either alternative. The Purple Alternative offers 1 main point of access to the Airport from the proposed freeway frontage roads on the west side of the Airport. The Purple Alternative does not provide access to the east side of the Airport and proposed Airport improvements. The Orange Alternative offers 2 main points of access - one on Airport Drive on the west side of the Airport and one from the freeway frontage roads on the east side of the Airport.</p> <p>Total project cost includes planning, engineering, and design; roadway construction; right of way; and utility relocations. TxDOT will continue to work with those major businesses impacted and displaced by the alternatives to better understand the cost of damages and/or business interruption.</p>
	Total Project Cost	\$601M	\$706M	

Purpose & Need Consideration – Improve Mobility & Provide Capacity



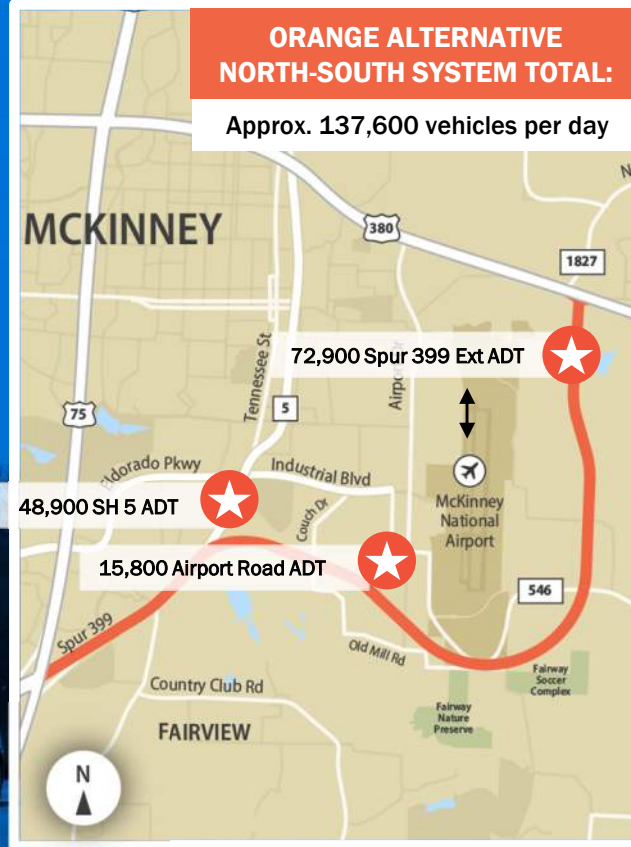
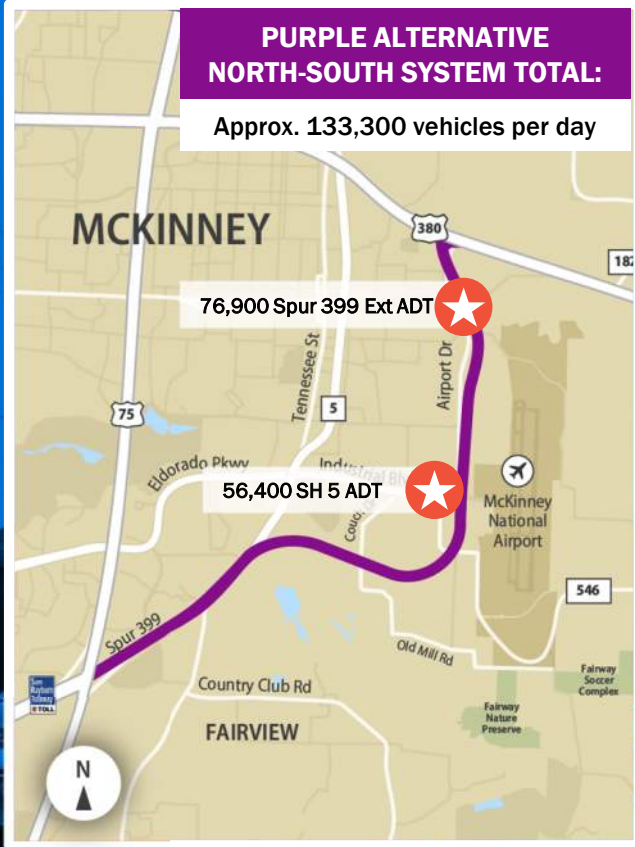
2050 FREEWAY LEVEL OF SERVICE COMPARISON TAKEAWAY:

*Orange and Purple Alternatives
offer similar Levels of Service*

TRAFFIC LEVEL OF SERVICE (LOS) SCALE

- A – Free Flow
- B – Reasonably Free Flow
- C – Stable Flow
- D – Approaching Unstable Flow
- E – Unstable Flow
- F – Breakdown Flow

Purpose & Need Consideration – Improve Mobility & Provide Capacity



2050 TRAFFIC VOLUME COMPARISON TAKEAWAYS:



Both alternatives better connect the arterial network and enhance connectivity.

The Orange Alternative better serves regional northbound and southbound traffic.



Environmental Consideration – Displacements



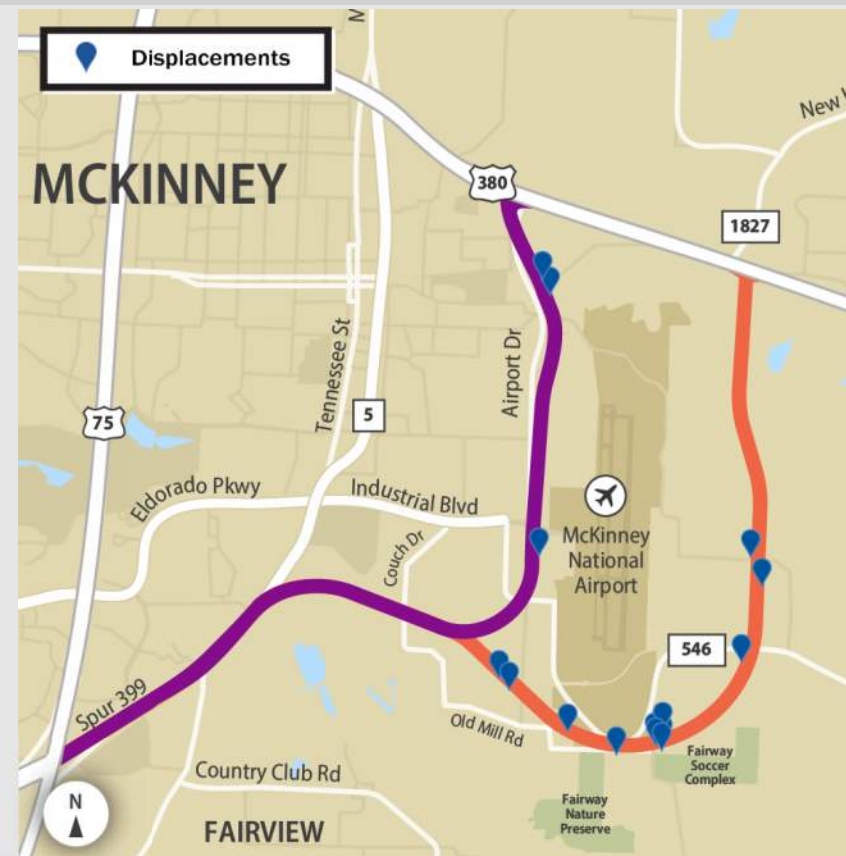
	SCREENING/EVALUATION CATEGORY	RESIDENTIAL DISPLACEMENTS	BUSINESS DISPLACEMENTS	OTHER DISPLACEMENTS
	Purple Alternative	0	1	North Texas Municipal Water District's McKinney Wastewater Lift Station, 1 barn or outbuilding
	Orange Alternative	8	3	7 barns or outbuildings

Purple Alternative

- ✓ Amazon Delivery Station



Orange Alternative

- ✓ McKinney Airport Center
- ✓ Airport Boarding Kennels
- ✓ Doc's Plumbing

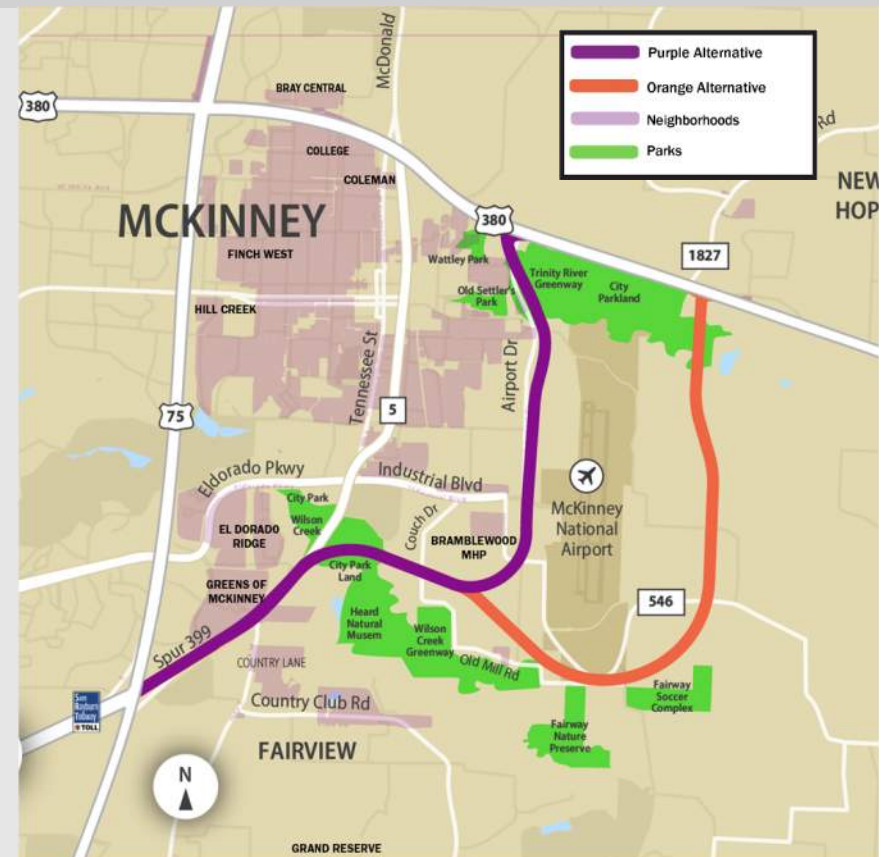


Environmental Consideration: Community Demographics & Facilities





★	SCREENING/ EVALUATION CATEGORY	COMMUNITY DEMOGRAPHICS
	Purple Alternative	
	Orange Alternative	

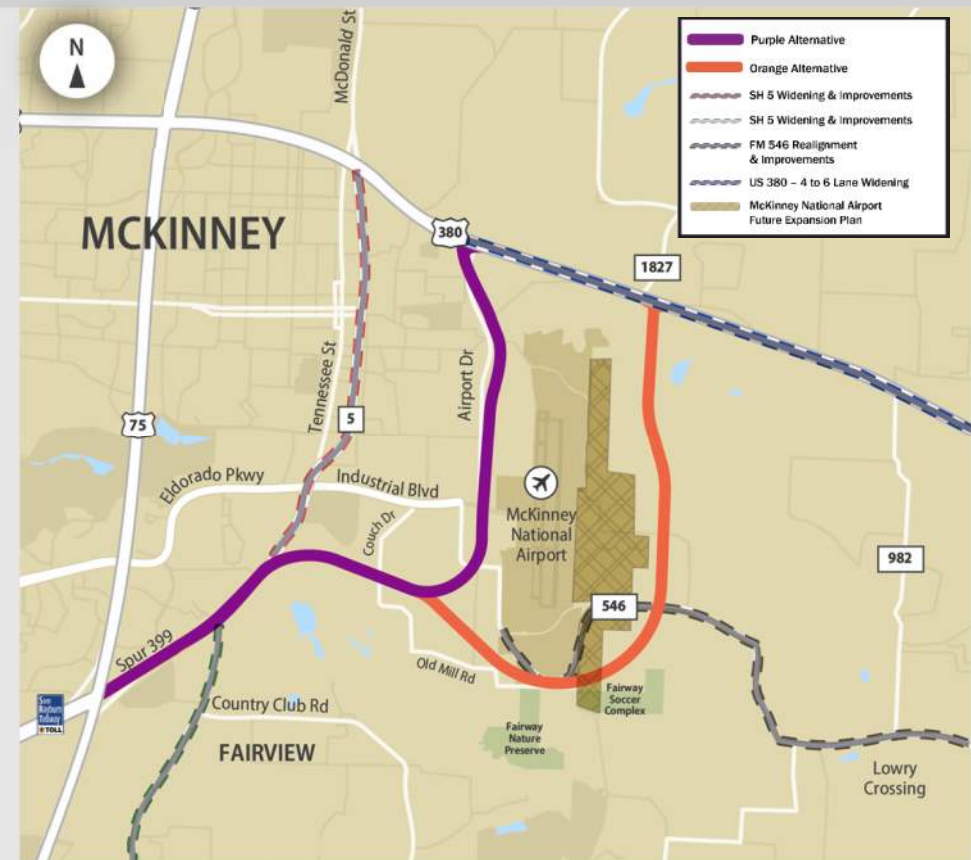
- ✓ No direct impacts for either alternative
- ✓ Purple Alternative is closer to low-income and minority neighborhoods
- ✓ Purple Alternative could be perceived as a barrier between neighborhoods and parks



Environmental Consideration – Induced Growth, Foreseeable & Cumulative Effects



★	SCREENING/ EVALUATION CATEGORY	FORESEEABLE AND CUMULATIVE EFFECTS
	Purple Alternative	To be determined
	Orange Alternative	To be determined



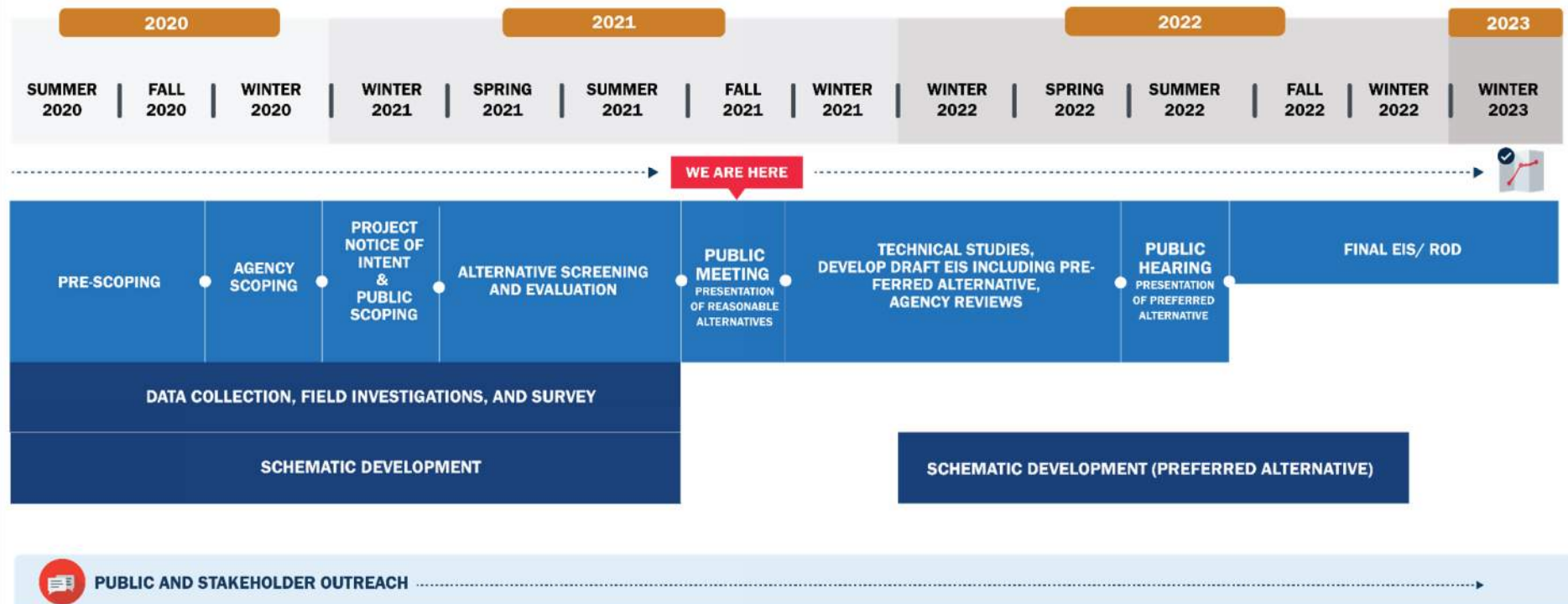
Public & Stakeholder Input Considerations



LOCAL GOVERNMENT/AGENCY	ALTERNATIVE PREFERENCE/POSITION SUMMARY	RECEIVED BY TxDOT
City of McKinney	Supports eastward extension of Spur 399 as a freeway Strongly opposed to a freeway west of the Airport	Feasibility Study - multiple letters and resolution
Town of Fairview	Support the freeway option on the east side of the Airport if it were shifted approx. 2,000 feet north	Feasibility Study – joint letter with City of McKinney
Collin County	Support for the northern extension of the Airport's runway as it would allow for a Spur 399 extension to the east of the Airport	Feasibility Study - resolution
North Texas Municipal Water District	Oppose alternatives impacting their existing or planned facilities	Feasibility Study – letter
Texas Parks and Wildlife Department	Prefers alignment utilizing existing transportation corridors and the least impact to floodplains, wetlands, streams, and habitat for wildlife and aquatic species	EIS - letter submitted during Agency Scoping

The Preferred Alternative is not selected through a voting process. TxDOT will consider and respond to all comments in a Public Meeting Summary.

EIS Timeline



Project Development



PROJECT DEVELOPMENT



How to Submit Your Comments



Comment Form

Fill out at the Public Meeting
or online at

[www.keepitmovingdallas.com/
Spur399PublicMeeting](http://www.keepitmovingdallas.com/Spur399PublicMeeting)



Email

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Mail

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COMMENTS MUST BE SUBMITTED BY NOVEMBER 5, 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

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.