

US 380 Collin County Feasibility Study Update

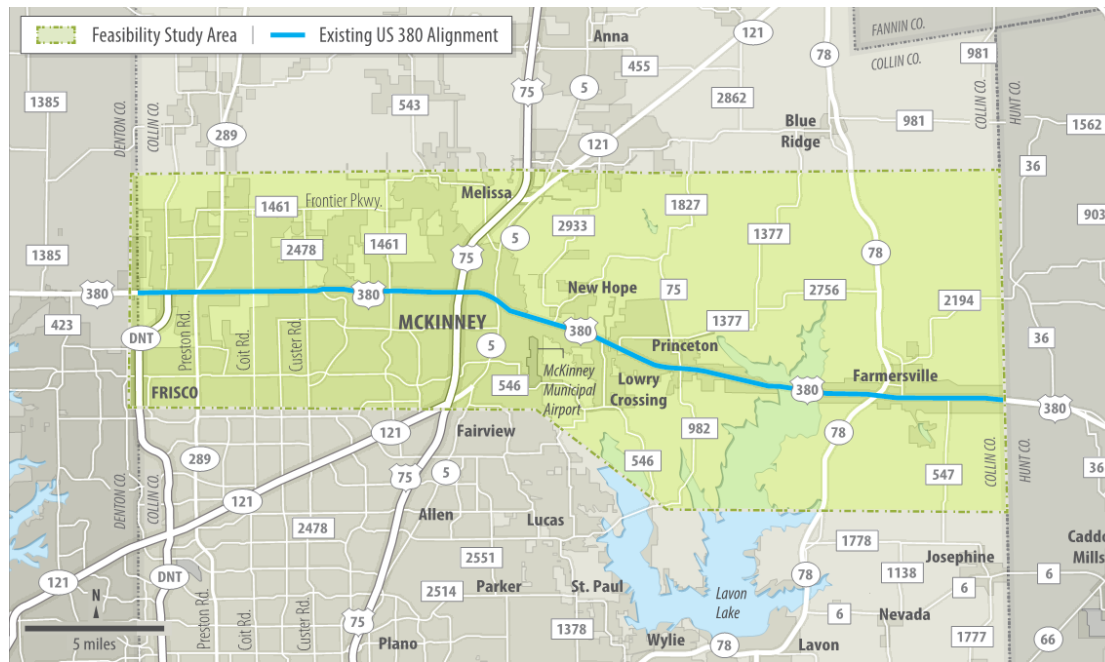
City of McKinney Council Work Session

March 19, 2019



TxDOT Study Purpose

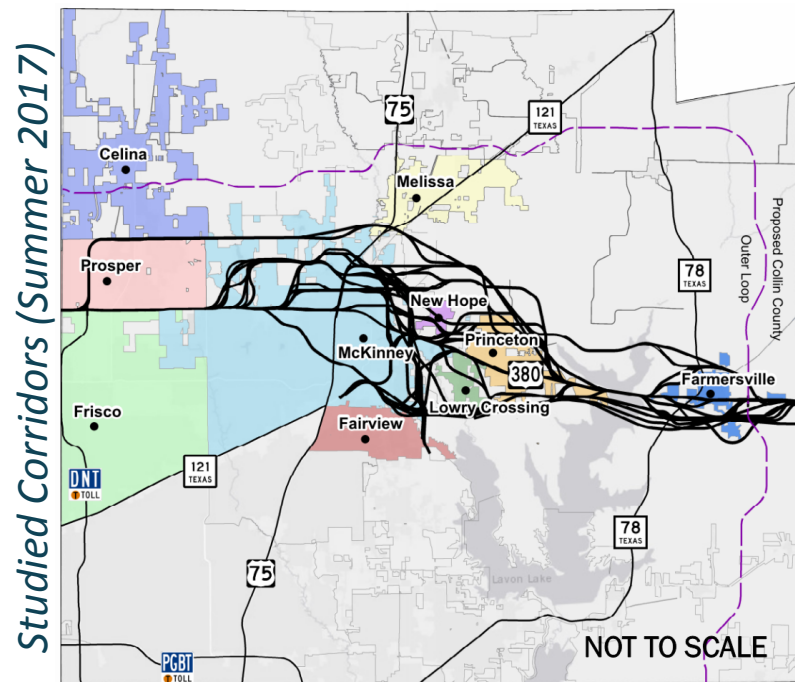
Identify a preferred corridor and roadway configuration to accommodate projected 2045 east/west travel demand and provide a safe and accessible facility to support east/west travel across Collin County



Study History

Study Initiation

- Need for the study is identified and study began by TxDOT June 2017.
- TxDOT developed and evaluated many potential alternatives including a no-build option and alignment options based on engineering factors and known environmental constraints.



Study Key Factors

- *Engineering Analysis*
- *Traffic Analysis*
- *Safety*
- *Right-of-Way*
- *Existing/Planned Development*
- *Existing/Planned Utilities*
- *Cost/Economic Impact*
- *Other Planning Efforts*
- *Natural/Cultural Resources*
- *Endangered Species*
- *Land Use/Parkland*
- *Water Resources/Floodplains*
- *Hazardous Materials*
- *Social/Community Impacts*
- *Stakeholder/Public Input*

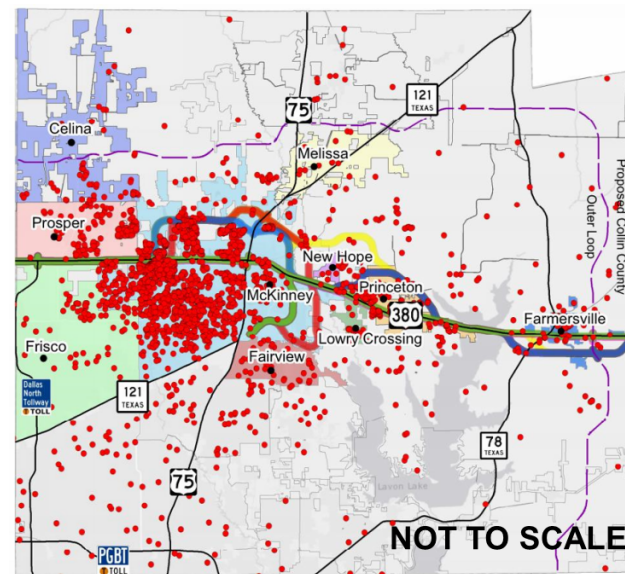
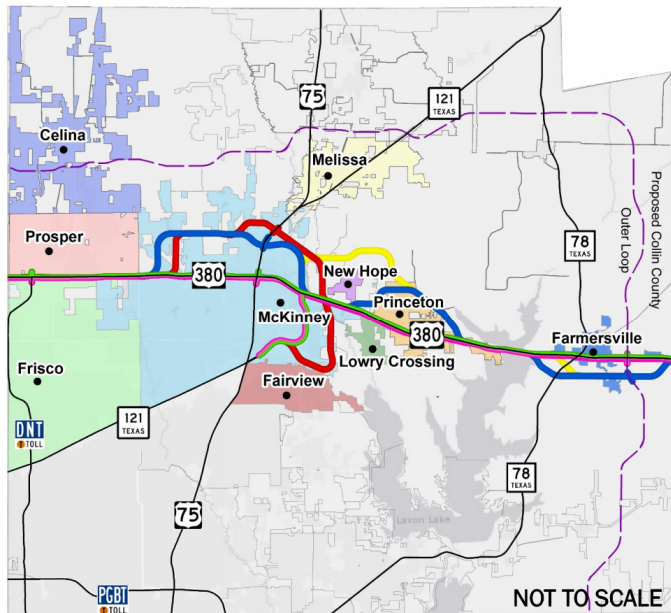


Study History

Spring 2018

- TxDOT presented the project need, modes of transportation considered, three roadway scenarios, and **five draft freeway alignment options** in April/May of 2018.
- 350' to 400' Right-of-Way Widths
- Included Spur 399 Extension
- TxDOT received and began analyzing more than 4,000 surveys and comments.

Refined Corridors (Spring 2018)



RED DOTS INDICATE THE LOCATION OF RESIDENCES AND BUSINESSES IN COLLIN COUNTY
WHERE INPUT WAS RECEIVED DURING THE COMMENT PERIOD



Study History

McKinney Feedback Provided to TxDOT Team (July 2018)

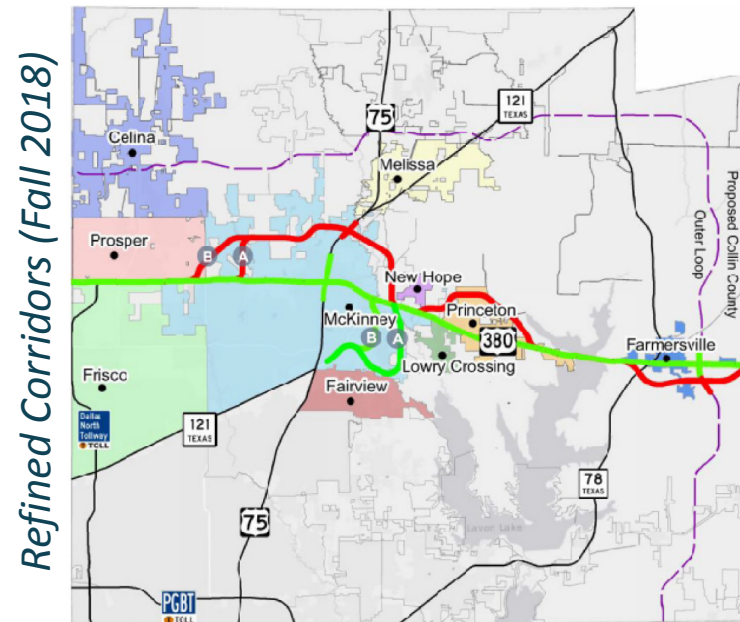
- Regarding the potential conversion of US 380 into a limited access facility along the existing alignment:
 - Significant concern about the physical, economic, socioeconomic impacts generally between Community Avenue and Airport Road including a request to **examine/document impacts to businesses, residences and limitations for redevelopment.**
 - Any options studied should **minimize the footprint and include as much visual and sound separation as possible from existing neighborhoods.**
- Regarding potential alternative alignments of US 380 as a limited access facility:
 - Migration from existing US 380 to an alternative alignment **should occur further west than any options presented** to reduce impacts to existing residential areas.
 - Any options studied should **minimize the footprint and include as much physical, visual, and sound separation as possible from existing neighborhoods and Erwin Park.**
 - Any options studied **should intersect US 75 north of Bloomdale Road** to avoid known impacts to major public infrastructure and existing residential development.
- Regarding the potential extension of Spur 399:
 - Any limited access facility considered **should occur east of McKinney National Airport.**



Study History

Fall 2018

- TxDOT refined alignment options and presented **two revised alignment options** in October 2018 that included “A” and “B” options.
- All options presented were deemed feasible and would reduce future traffic delays.
- Right-of-way widths were reduced to 350’ maximum (excluding major interchanges).
- TxDOT received and began analyzing more than 10,000 surveys and comments.



TxDOT Corridor Evaluation Matrix Summary (Fall 2018)

DENTON COUNTY LINE TO HUNT COUNTY LINE

Evaluation Category	No Build	Green Alignment Option A	Green Alignment Option B	Red Alignment Option A	Red Alignment Option B
Number of Residential Property Impacts	0	54	43	78	75
Number of Current Residential Displacements	0	87	83	37	35
Number of Business Impacts	0	119	121	39	26
Number of Business Induced Displacements	0	16	17	3	1
Number of Business Direct Displacements	0	289	286	36	23
Number of Business Displacements	0	305	303	39	24
Future Development Impacts (acres)	0	110	96	284	342
Environmental, Watershed, and Park Land Impacts (acres)	0	357	216	437	449
Cost - includes construction, ROW, utility relocation	0	\$2.46B	\$2.28B	\$2.23B	\$2.12B
Enhances Regional Mobility	○	●	●	●	●
Satisfies Travel Demand	○	●	●	◐	◐
Enhances Safety	○	●	◐	●	◐
Supports Future Regional Economic Growth	○	◐	◐	◐	◐

Criteria Rating Scale



Does not achieve criteria



Sometimes meets criteria



Partially meets criteria



Mostly meets criteria



Highly meets criteria



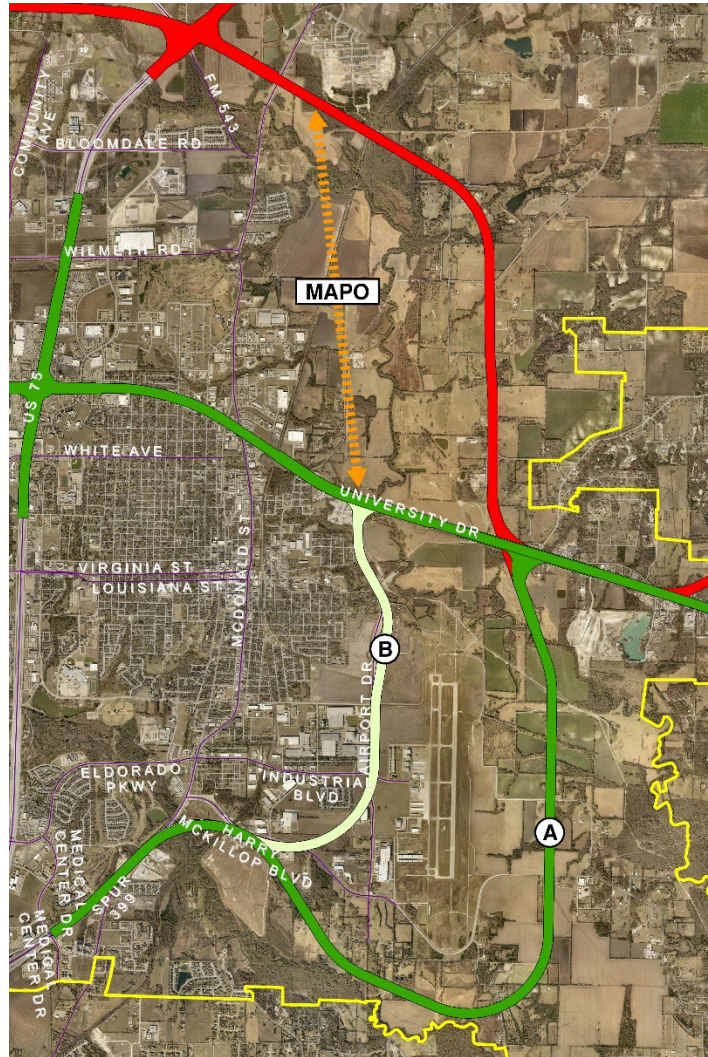
Ongoing Study & Evaluation Key Focus Areas

Green Alignment

- Continued evaluation of impacts of presented “A” and “B” routes including public comments received.
- Continued evaluation of economic impacts of the Green Alignments compared to Red Alignments.
- Micro Study of Potential Raytheon Campus impacts.
- Micro Study of Potential impacts in the vicinity of the McKinney National Airport.
- **Newly evaluated route by TxDOT**
 - “TxDOT will conduct a Meeting of Affected Property Owners (MAPO) to discuss and receive public comments on a new alignment segment added to the feasibility study in the northeast McKinney area.
 - The MAPO will be held on **Thursday, March 21, 2019** (6:00pm to 8:00pm) at the Russell A. Steindam Courts Building (Jury Room), 2100 Bloomdale Road, McKinney, TX 75071.



TxDOT Green Options A & B (Fall 2018)



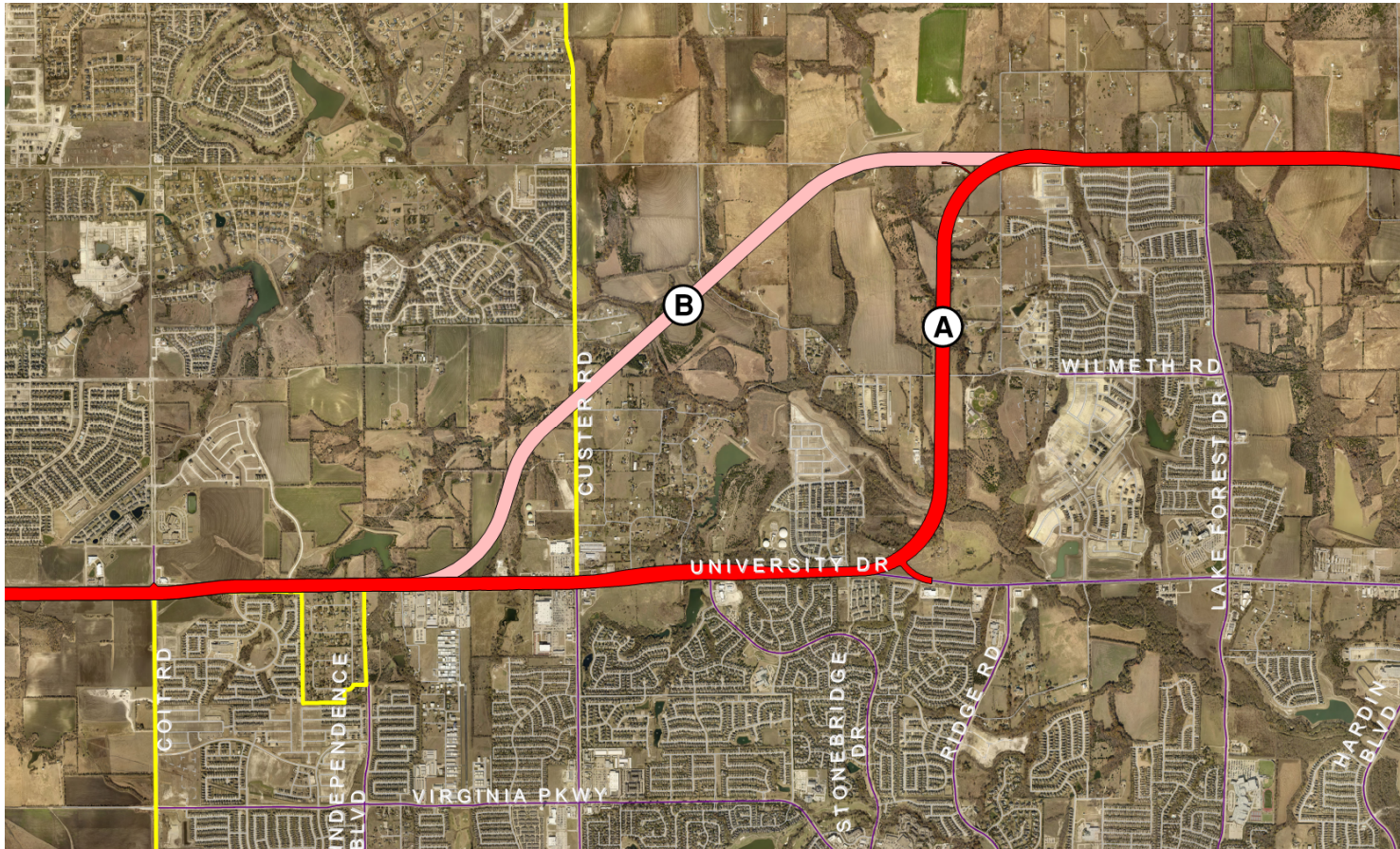
Ongoing Study & Evaluation Key Focus Areas

Red Alignment

- Continued evaluation of impacts of presented “A” and “B” routes including public comments received.
- Continued evaluation of economic impacts of the Red Alignments compared to Green Alignments.
- **Newly evaluated route by TxDOT**
 - “TxDOT will conduct a Meeting of Affected Property Owners (MAPO) to discuss and receive public comments on a new alignment segment added to the feasibility study in East Prosper and west of McKinney.”
 - The MAPO will be held on **Thursday, March 28, 2019** (6:00pm to 8:00pm) at Lorene Rogers Middle School, 1001 Coit Road, Prosper, TX 75078.
- McKinney and Princeton have requested the TxDOT team evaluate a reduction in the corridor footprint width along the Red routes to further reduce impacts without sacrificing mobility.



TxDOT Red Options A & B (Fall 2018)



US 380 Study: Next Steps in 2019

Upcoming MAPO Public Meetings

- March 21, 2019 – Northeast McKinney MAPO
- March 28, 2019 – East Prosper MAPO

Spring 2019 Public Meeting – Estimated May 2019

- Results of continued study efforts, included a recommended alignment, will be presented at the public meeting.
- The decision for which alignment moves forward will be based on all key factors studied (including public input).

Project Implementation Plan – Estimated Fall 2019

- To include recommended long and short term improvements as well as regional action items.

Per TxDOT, the recommended alignment will be subject to further study and is subject to change.



QUESTIONS / DISCUSSION

TxDOT Study Webpage and Contact Information



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