CITY OF McKINNEY, TEXAS

Agenda

City Council Work Session

Monday, April 30, 2018 | **5:30 PM** | **Council Chambers**
222 N. Tennessee Street
McKinney, TX 75069

CALL TO ORDER

DISCUSS REGULAR MEETING AGENDA ITEMS

WORK SESSION ITEMS

18-378 Receive an Update on the US 380 Feasibility Study from the Texas Department of Transportation (TxDOT) and their Project Team

Attachments: Draft Alignment Options Presentation

COUNCIL LIAISON UPDATES

EXECUTIVE SESSION

In Accordance with the Texas Government Code:

A. Section 551.071 (2). Consultation with City Attorney on any Work Session, Special or Regular Session agenda item requiring confidential, attorney/client advice necessitated by the deliberation or discussion of said items (as needed) and legal consultation on the following item(s), if any.

- Third Amendment to 2012 Development Agreement by and between Trinity Falls Holdings, LP and the City of McKinney

B. Section 551.071 (A) Pending or contemplated litigation

- Devin Huffines, Jacob Thomas, Aaron Harris, Brent Connett, and Matthew Langston v. City of McKinney, Texas

C. Section 551.072. Deliberations about Real Property

- A189 - Project Topflight

ACTION ON EXECUTIVE SESSION

ADJOURN

Posted in accordance with the Texas Government Code, Chapter 551, on the 27th day of April, 2018 at or before 5:00 p.m.

_____
Sandy Hart, TRMC, MMC
City Secretary

In accordance with the Americans with Disabilities Act, it is the policy of the City of McKinney to offer its public programs, services, and meetings in a manner that is readily accessible to everyone, including individuals with disabilities. If you are a person with a disability and require information or materials in an appropriate alternative format; or if you require any other accommodation, please contact the ADA Coordinator at least 48 hours in advance of the event. Phone 972-547-2694 or email contact-adacompliance@mckinneytexas.org. Advance notification within this guideline will enable the City to make reasonable arrangements to ensure accessibility. ADA grievances may also be directed to the ADA Coordinator or filed online at http://www.mckinneytexas.org/ada.

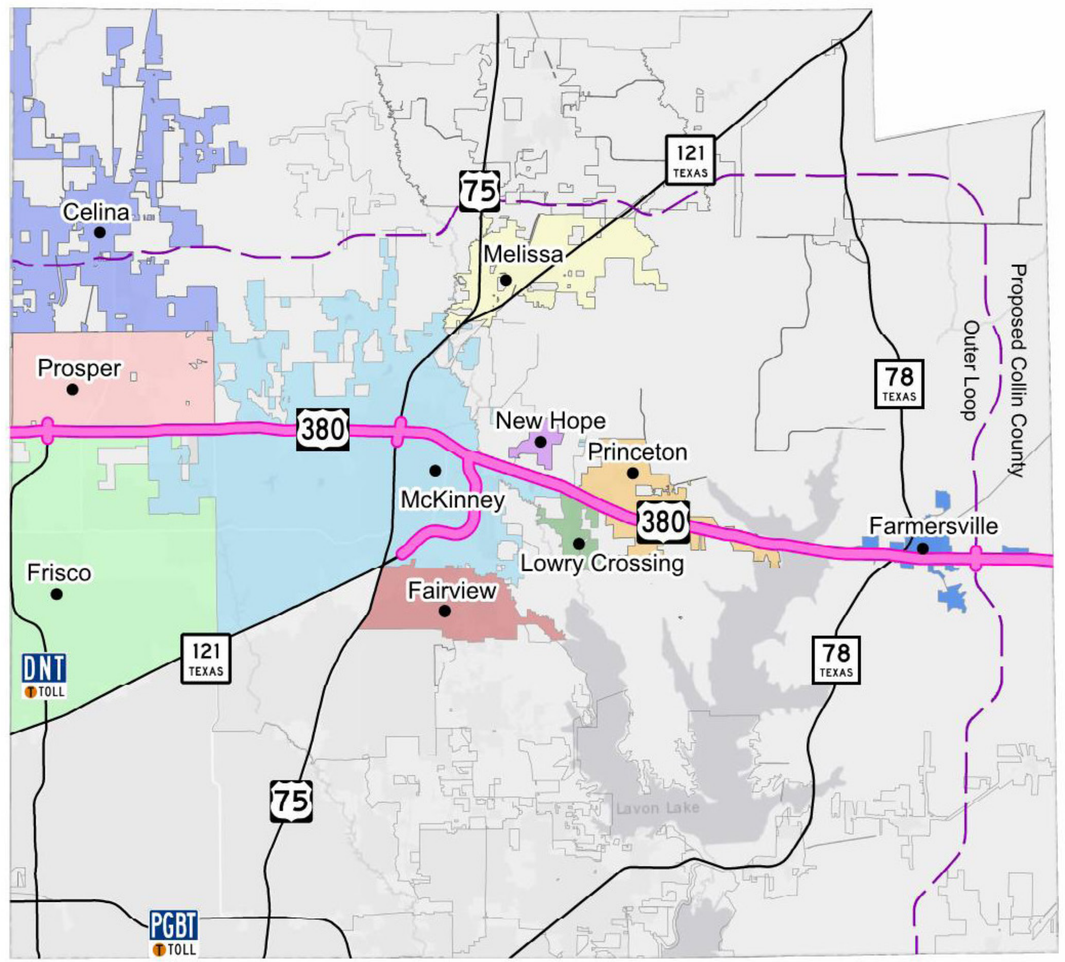
18-378

TITLE: Receive an Update on the US 380 Feasibility Study from the Texas Department of Transportation (TxDOT) and their Project Team

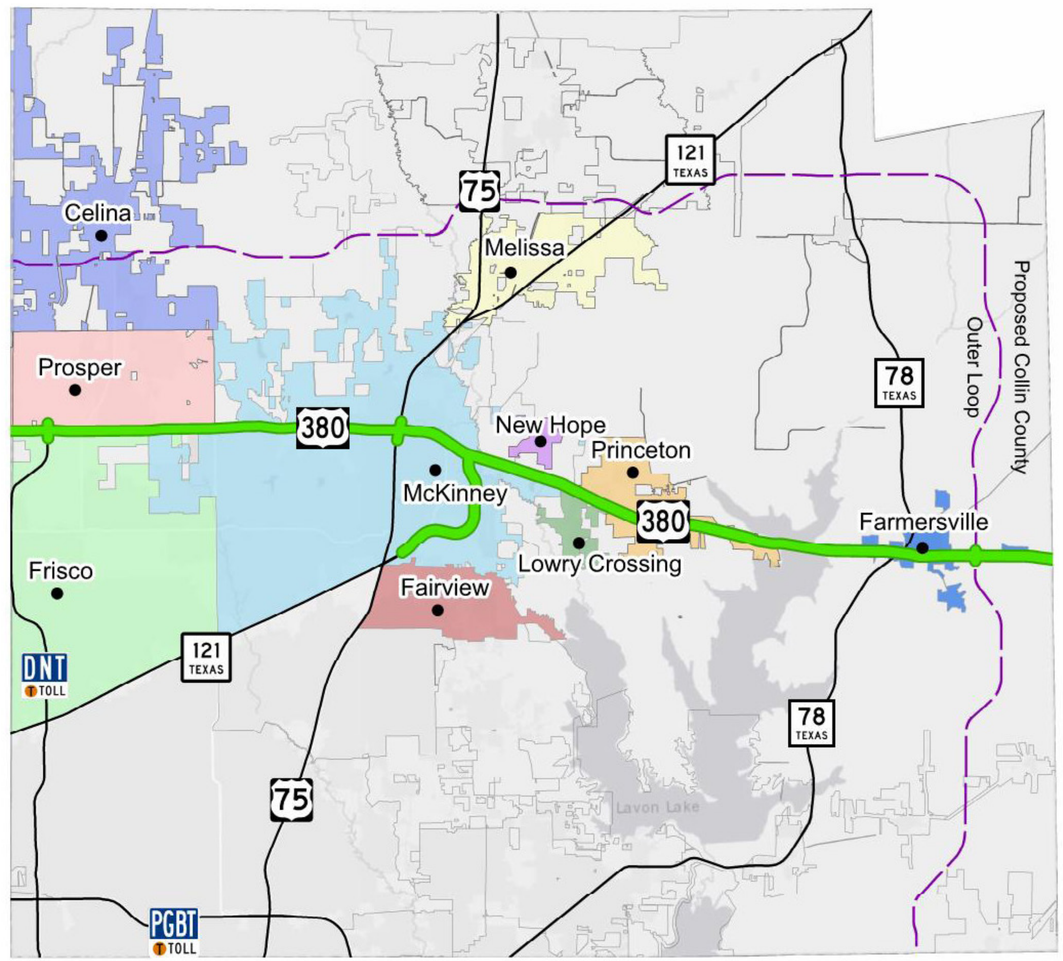
SUPPORTING MATERIALS:

Draft Alignment Options
Presentation

PINK ALIGNMENT

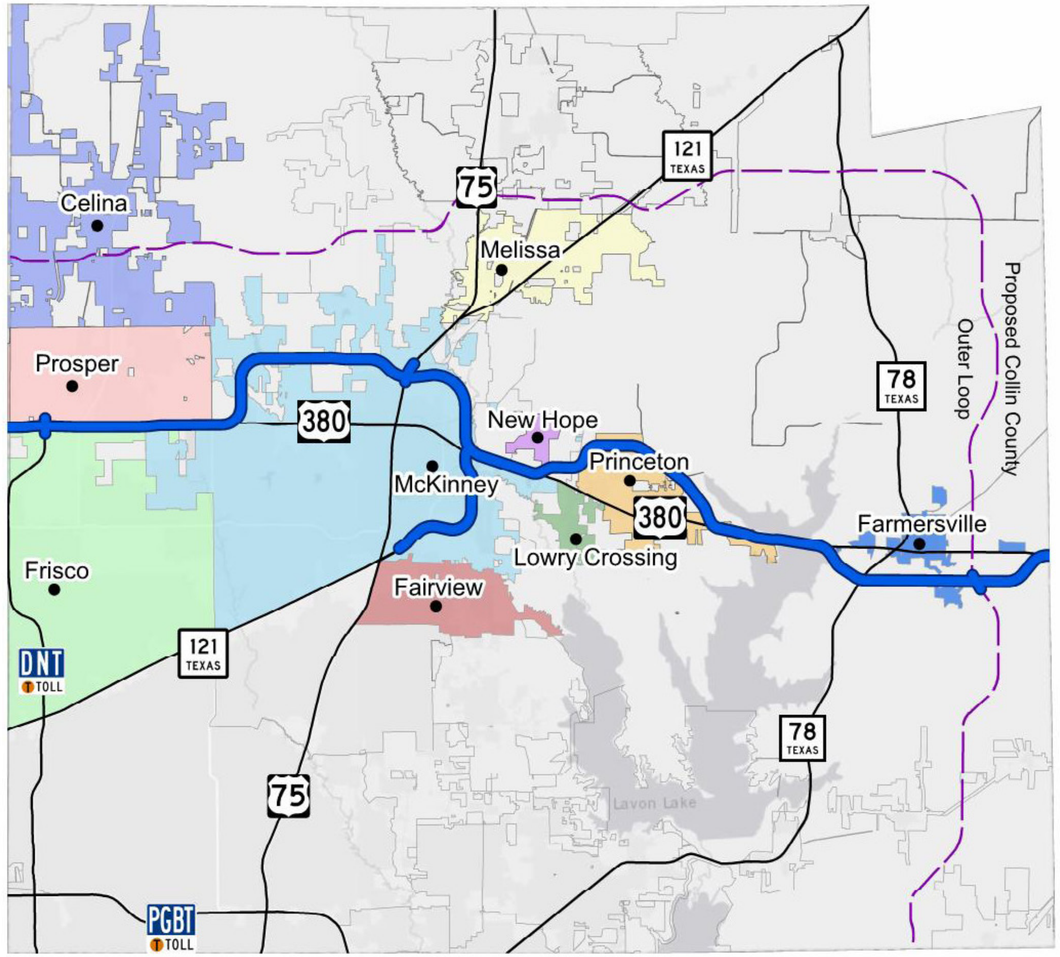


GREEN ALIGNMENT

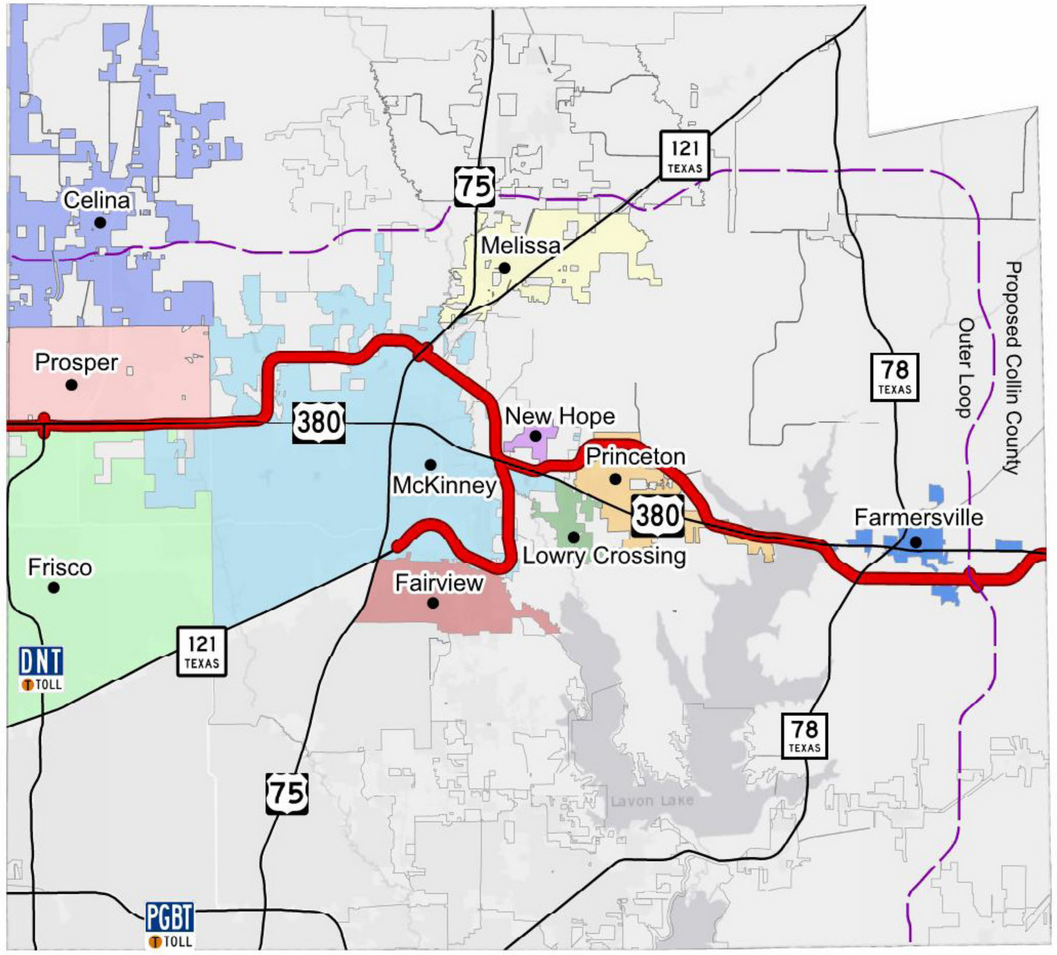


TEXAS DEPARTMENT OF TRANSPORTATION

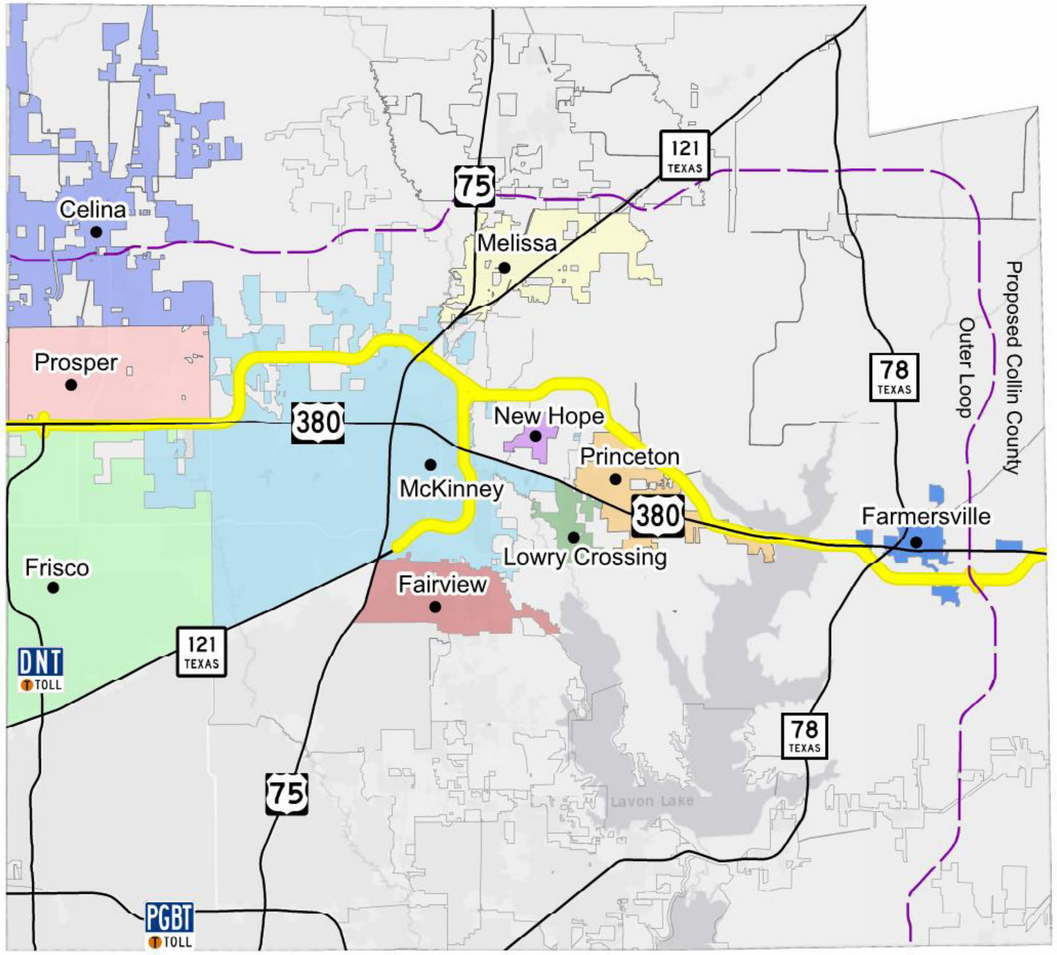
BLUE ALIGNMENT

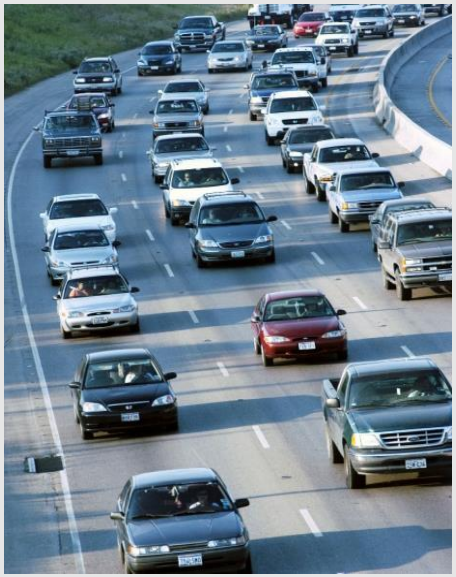


RED ALIGNMENT



YELLOW ALIGNMENT





US 380 FEASIBILITY STUDY

Collin County

April 26, 2018

WELCOME

US 380 Collin County Feasibility Study

DALLAS DISTRICT
PUBLIC MEETING

APRIL 26 – MAY 1 – MAY 3, 2018
6:00 P.M - 8:00 P.M.

The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project is being, or has been, carried out by TxDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 16, 2014, and executed by FHWA and TxDOT.

Collin County Is Growing And Thriving

Population Growth

24%

INCREASE IN COLLIN COUNTY POPULATION FROM 2010 – 2017

"QuickFacts Collin County, Texas" US Census Bureau, 1 July 2017. Web. 23 April 2018.

166%

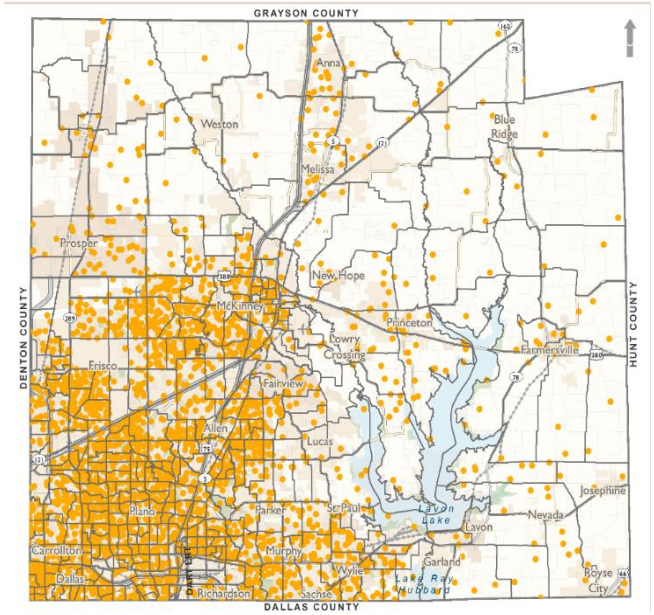
PROJECTED INCREASE IN COLLIN COUNTY POPULATION GROWTH FROM 2018 – 2040*

"2014 Texas Population Projections by Migration Scenario Data" Texas State Demographer, WEB. 23 April 2018.
**Aggressive scenario based on observed Collin County growth from 2000-2010.*

"The Dallas-Fort Worth-Arlington metro area added more people between 2015 and 2016 than any other metro in the country." *- Texas State Demographer*

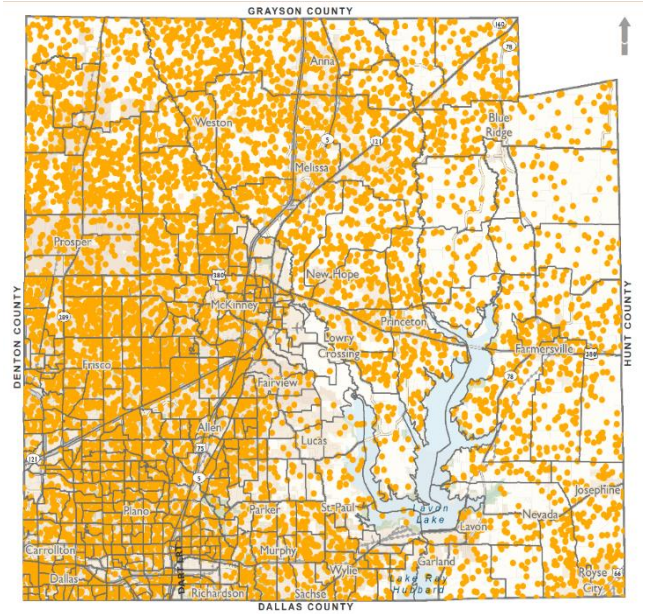
Population Growth

2012



PROJECTED

BUILD OUT

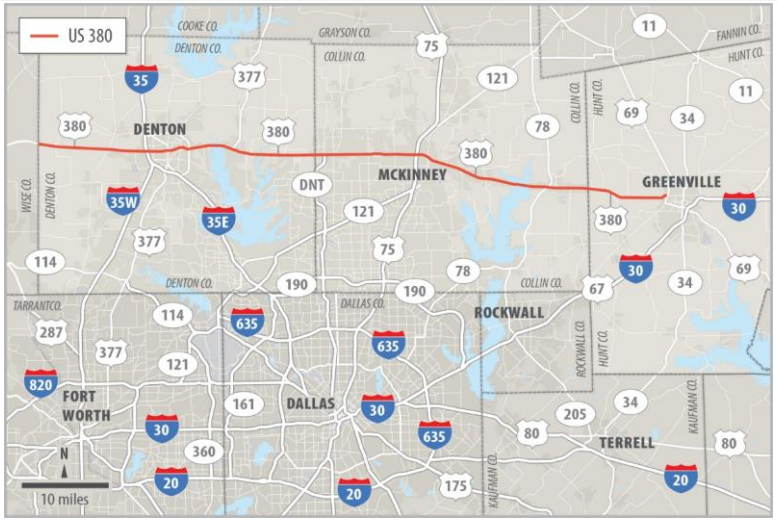


"Mobility Plan Update", *Collin County*, 2016

● 1 Dot = 250 Persons

US 380 TODAY

US 380 Today

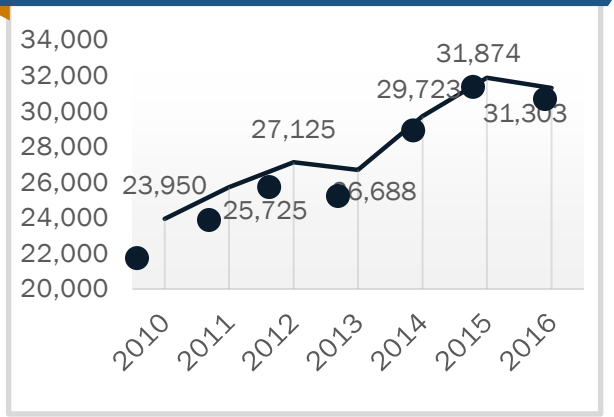


Existing Conditions
4 to 6 lane arterial
Rated in engineering terms as an F level of service (the worst)
Traffic over capacity during rush hours
Right of way between 130’ wide and 180’ wide

Traffic Increases on US 380

Location	Percent Increase (2010-2016)
Princeton	50%
West McKinney	45%
East McKinney	34%
Frisco/Prosper	14%
Farmersville	14%

Average Daily Traffic Count



Traffic volumes across US 380 in Collin County grew by 30% between 2010 and 2016.

Source: TxDOT Historical AADT Counts, 2017

Few Planned Improvements for US 380

Prosper - Frisco

- Widen from 4 to 6 lanes and add access roads
  - Denton County line to east of SH 289
  - Year Open: 2018
- New interchanges along US 380 at DNT & SH 289
  - Year Open: 2028

McKinney - Princeton

- Widen from 4 to 6 lanes with a raised median
  - Airport Road to 4th Street
  - Completion Date TBD

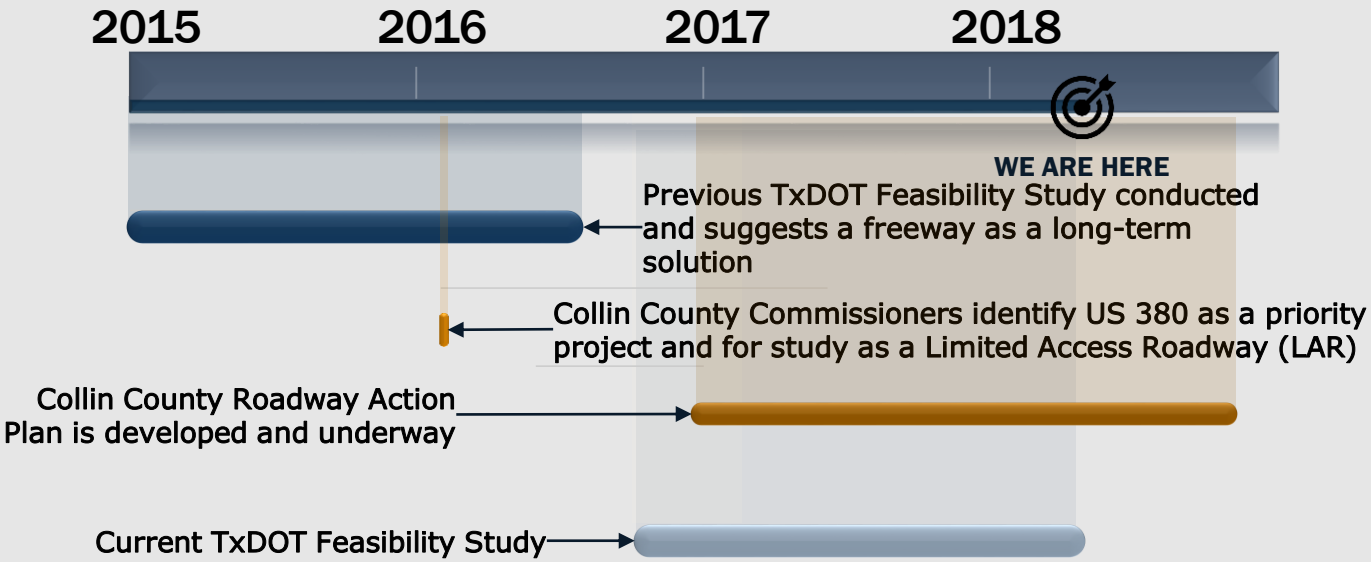
Princeton

- Add raised median
  - 4th Street to CR 985
  - Undergoing Planning Studies
  - Completion Date TBD

Few additional improvements are planned for US 380 in Collin County between now and 2045.

Working Together to Understand Future Needs

US 380 History



Previous US 380 Study Recommendations

2016 TxDOT Feasibility Study

Studied a wide range of potential solutions for US 380 ranging from:

- **Minor improvements**
  - Adding turn lanes
- **Moderate Improvements**
  - Constructing overpasses or underpasses at select intersections
- **Major Improvements**
  - Existing US 380 as a freeway

Final Recommendation:

A freeway "provides the best mobility and safety, and addresses the long term needs of the communities" but "an additional detailed study covering Denton, Collin, and Hunt Counties is likely necessary".

Current US 380 Feasibility Study

Purpose

Analyzed potential roadway options, including improving the existing alignment or utilizing new alignments.

- Helps determine if the project should move on to more advanced phases of project development
- Identifies high level or critical elements of engineering, impacts to stakeholders and the public, and economic feasibility of potential new roadways or improvements to existing roadways
- Not intended to result in detailed design, environmental analysis, or cost estimates

GOAL

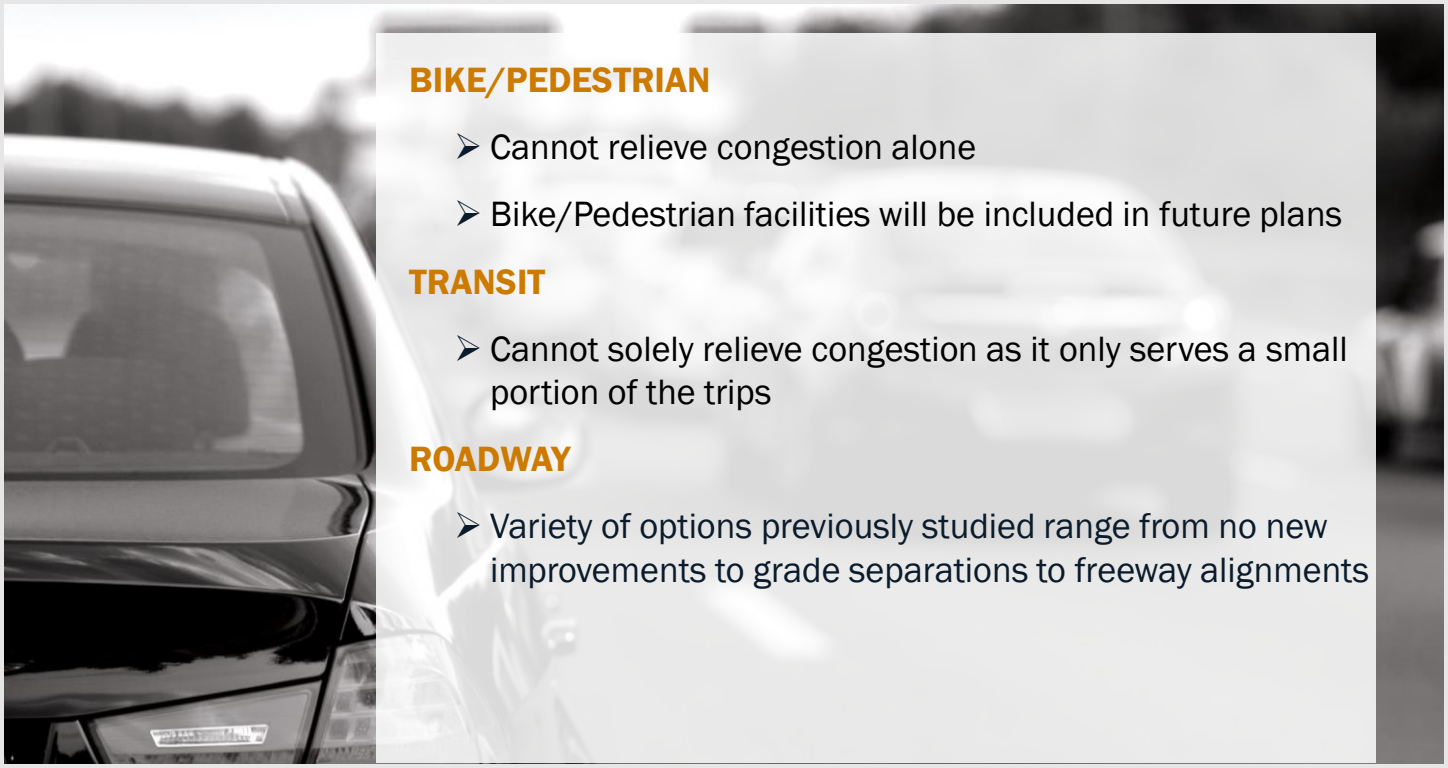
Develop an alignment to initiate corridor preservation

Regional Partnerships

- PROSPER
- FRISCO
- MCKINNEY
- FAIRVIEW
- NEW HOPE
- LOWRY CROSSING
- PRINCETON
- FARMERSVILLE

Weighing Future Options

Evaluate Modes of Transportation to Relieve Congestion



BIKE/PEDESTRIAN

- Cannot relieve congestion alone
- Bike/Pedestrian facilities will be included in future plans

TRANSIT

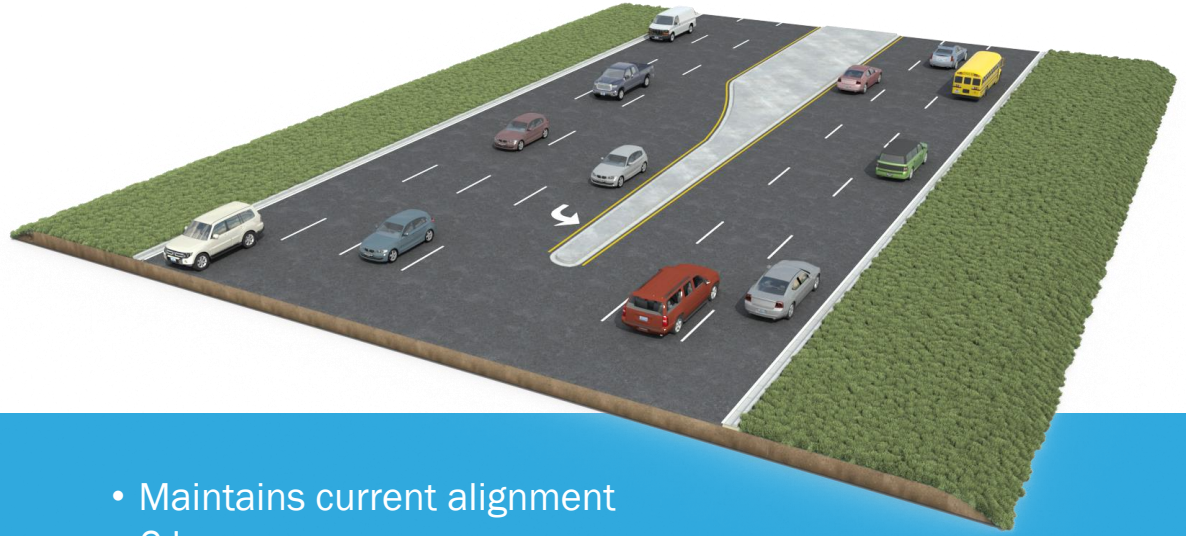
- Cannot solely relieve congestion as it only serves a small portion of the trips

ROADWAY

- Variety of options previously studied range from no new improvements to grade separations to freeway alignments

These modes work together to move goods, improve mobility, and provide access to, from, and throughout the area

NO NEW IMPROVEMENTS ON US 380



- Maintains current alignment
- 6 lanes
- Rated in engineering terms as an “F” level of service (the worst)

Possible Options

GRADE SEPARATED INTERSECTIONS

- Maintains current alignment but allows drivers to bypass select major intersections
- 6 lanes – frontage road lanes at some intersections
- Restrict access to improve safety
- Rated in engineering terms as a “F” level of service
- $$

Possible Options

FREEWAY

- Multiple alignment options
- 6 lanes – 2 frontage road lanes
- Improvements in safety. No signalized intersections
- Rated in engineering terms as a “B” level of service depending on alignment
- $$$$$

Draft Comparison of Options

EVALUATION CRITERIA:	NO NEW IMPROVEMENTS ON US 380	GRADE SEPARATED INTERSECTIONS	FREEWAY
Enhances Safety	○	◑	◕
Reduces Existing Congestion	○	◑	●
Regional Mobility	○	◔	●
Minimizes Future Congestion Expected from Growth	○	◔	●
Cost	$$$$$	$$$$$	$$$$$
Supports Future Economic Growth	○	◔	●
TOTAL SCORE	◔	◑	◕

Criteria Rating Scale				
Does not achieve criteria		Partially meets criteria		Highly meets criteria
○	◔	◑	◕	●

Feasibility Study Key Factors

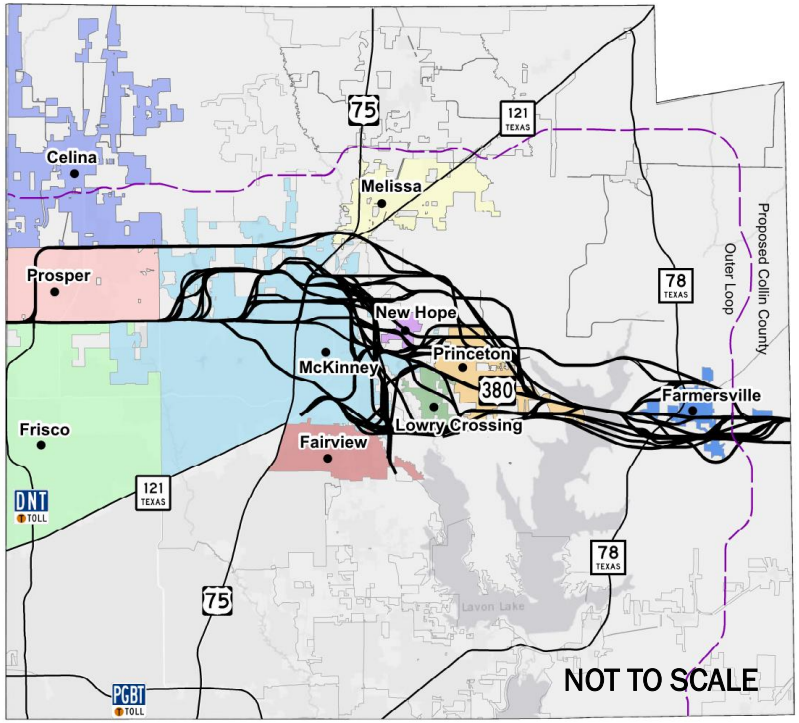
KEY FACTORS WE'VE EXAMINED

WE HAVE DONE EXTENSIVE ANALYSIS OF THE NEEDS OF THE COMMUNITY AND POTENTIAL SOLUTIONS.

- ENGINEERING ANALYSIS
- TRAFFIC ANALYSIS
- SAFETY AND CRASH DATA
- RIGHT-OF- WAY REQUIREMENTS
- EXISTING AND PLANNED RESIDENTIAL AND COMMERCIAL DEVELOPMENTS
- EXISTING AND PLANNED UTILITIES
- COST AND ECONOMIC IMPACT
- OTHER PLANNING EFFORTS
- NATURAL AND CULTURAL RESOURCES
- ENDANGERED SPECIES
- LAND USE AND PARKLAND
- WATER RESOURCES AND FLOOD PLAINS
- HAZARDOUS MATERIALS
- SOCIAL AND COMMUNITY IMPACTS
- STAKEHOLDER AND PUBLIC INPUT

Draft Freeway Alignment Options

Many alignments have been developed and studied.

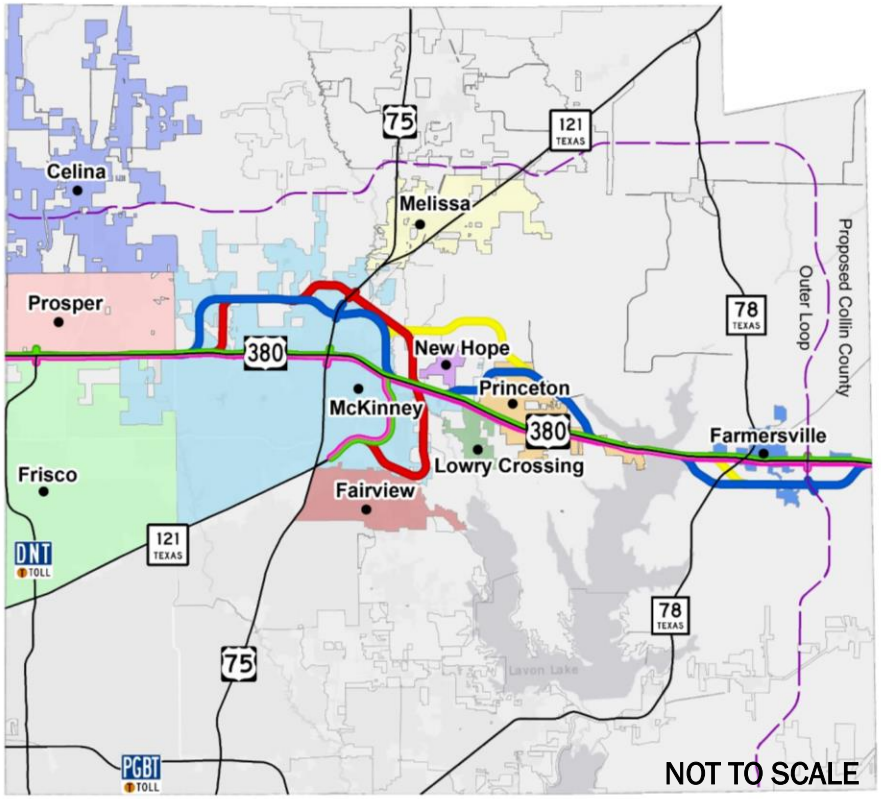


NOT ALL OF THESE ALIGNMENTS ARE VIABLE. SOME WOULD:

- impact a significant number of homes and business
- conflict with major future development plans
- impact a floodplains or floodway, parks, and/or federally protected lands
- not provide significant congestion relief
- conflict with regional goals

Alignments presented are those that our study team found to be the most viable transportation options and corridor alignments.

Draft Freeway Alignment Options



Please Consider During Your Alignment Review

We need your input on draft alignments that are available for your review and comment.

PLEASE CONSIDER:

A final alignment has not been chosen. These are conceptual alignments.

It is possible a combination of draft alignment segments could be merged for preferred alignments for comment at our next Public Meeting.

Each concept is being shown today with 350 to 400 foot right of way width.

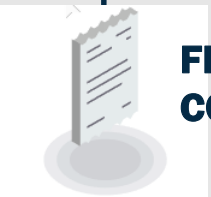
Help Shape the Feasibility Study

TxDOT NEEDS YOUR HELP AND INPUT TO SHAPE THE NEXT STEPS OF THE STUDY.

- What solutions would you suggest?
- Would you like to see a freeway constructed?
- What is your opinion of the alignments shown?

TxDOT WANTS TO HEAR FROM YOU.

How to Provide Input



FILL OUT A COMMENT FORM

PROVIDE VERBAL COMMENT TO COURT REPORTER

SURVEY: ONLINE OR PAPER COPY

Go online to survey.Drive380.com

Surveys and comment forms must be submitted by

May 18, 2018

to be included in study documentation

Feasibility Study Process

JUNE 2017 – MARCH 2018	APRIL – MAY 2018	SUMMER 2018	FALL 2018	LATE 2018
Initial Data Gathering	Stakeholder input and Public Involvement	Process data/input	Stakeholder input and Public Involvement	Project Implementation Plan
✓ One–on-one meetings with partners ✓ Technical Work Session	✓ Public Meeting and Comment Period ✓ Elected Leader Outreach and Council Presentations ✓ Stakeholder Work Groups	✓ Input analyzed ✓ TxDOT selects alignments for the study team to refine further ✓ Evaluation of alignments	✓ Public Meeting and Comment Period ✓ Key Stakeholder and Elected Leader Outreach	✓ Recommend long and short term improvements as well as regional action items
Alignment trends	5 alignment options	2 to 4 alignment options with typical sections		1 recommended alignment option*

WE ARE HERE

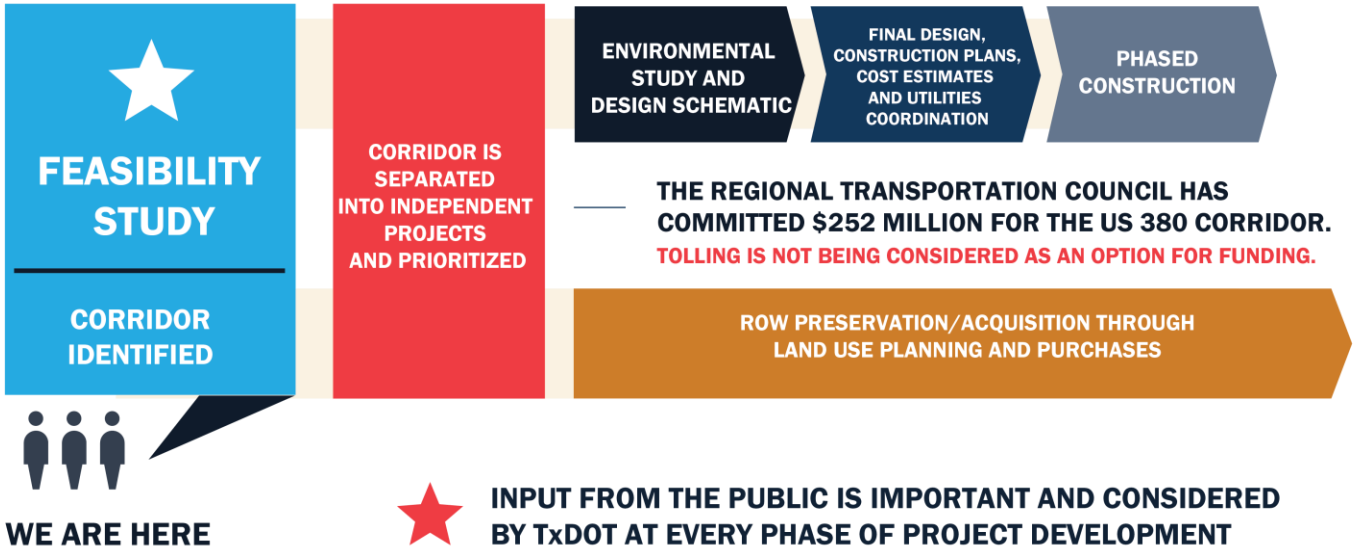
SUBJECT TO CHANGE

Project Development

TXDOT HAS DONE ANALYSIS OF THE NEED AND POTENTIAL SOLUTIONS.

Planning the next steps for the US 380 corridor will take time

-that is why it is so important work begins NOW to plan for the future.



Study Contacts

Texas Department of Transportation

DRIVE 380.com

PLANNING FOR THE FUTURE

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Texas Department of Transportation

THANK YOU

for taking time to provide input and help shape the future of US 380 and Collin County.

Visit Drive380.com for study information and updates.