

US 380 from Coit Road to FM 1827 Schematic Viewing Guide



What is a Schematic?

A schematic is a layout that includes the basic information necessary for proper review and evaluation of a proposed roadway improvement. Among other items, a schematic includes:

- Project location and limits
- Traffic volumes, both existing and projected
- Proposed mainlanes, ramps, frontage roads, bridges, and cross streets
- Horizontal and vertical alignments with curves, elevations, grades, and vertical clearances
- Existing and proposed bicycle and pedestrian accommodations

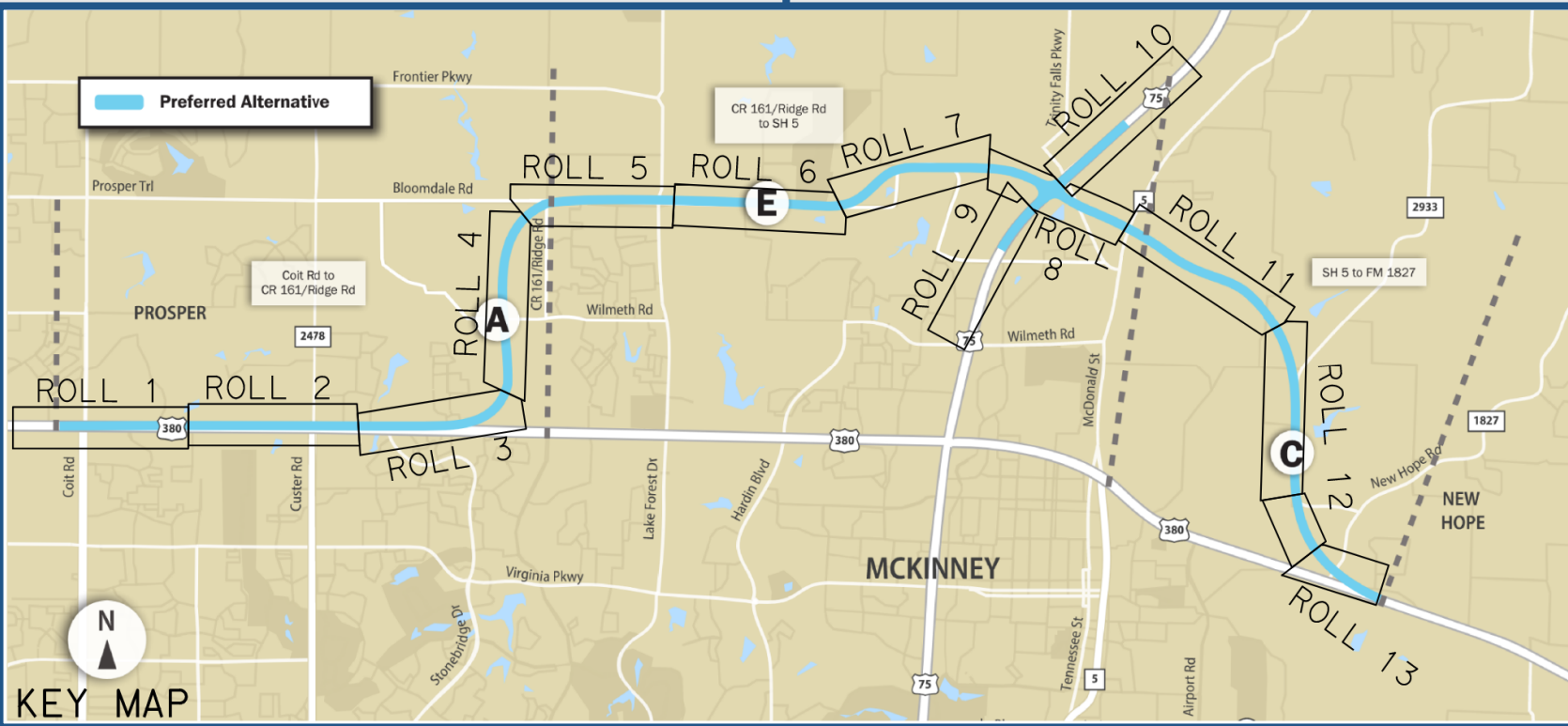
The following slides provide helpful information on what is included in a schematic. The slides are in the order of how to view a schematic starting on the left side at the top and moving down and to the right across the page.

Additional slides zoom in to provide more detailed information on what is included in the plan view.

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Roll Plot Key Map



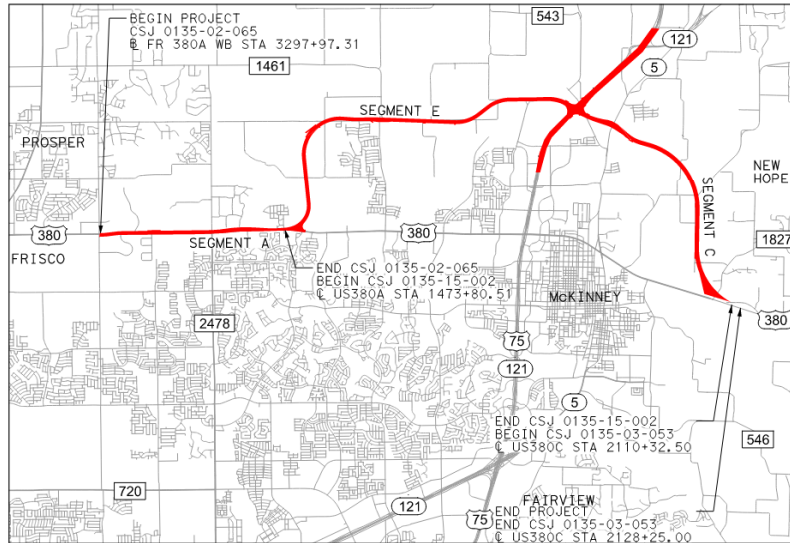
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ROADWAY	FUNCTIONAL CLASS.	DESIGN SPEED	eMAX
US 380 MAINLANES	URBAN FREEWAY	60 MPH	6%
RAMPS	URBAN FREEWAY	45 MPH	6%
DIRECT CONNECTOR	URBAN FREEWAY	40 MPH	6%
COLLECTOR DISTR	URBAN FREEWAY	45 MPH	6%
FRONTAGE RD	URBAN COLLECTOR	45 MPH	2%
CROSS STREET	VARIES	30 MPH	2%
MINOR SIDE ST	VARIES	20 MPH	2%
TURNAROUNDS	URBAN MINOR COLLECTOR	20 MPH	2%

Design Speed

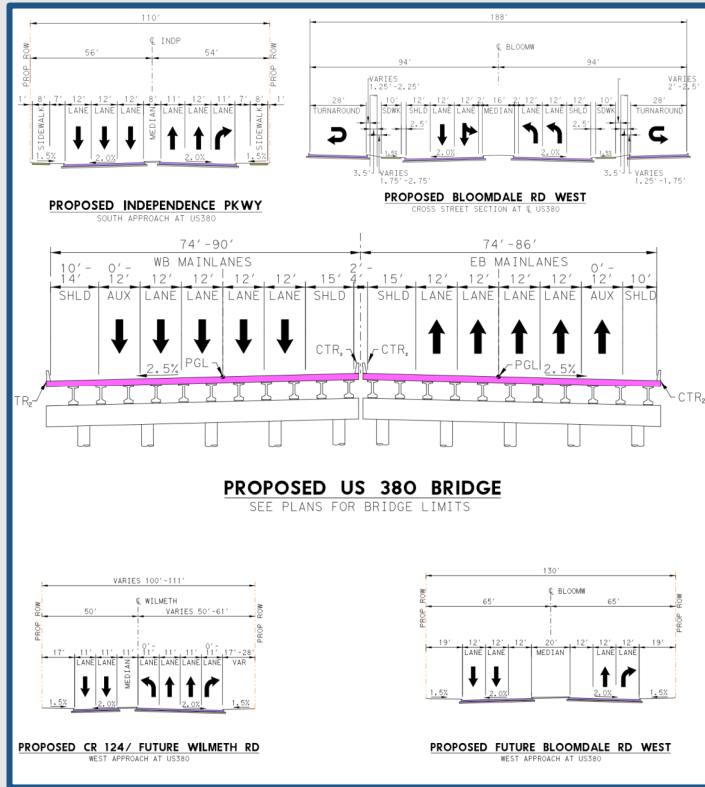
Roadway speed used to determine design criteria and constraints. This is NOT the speed limit for the roadway



Location Map

Displays the project location and limits for the roadway plans shown

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Typical Section

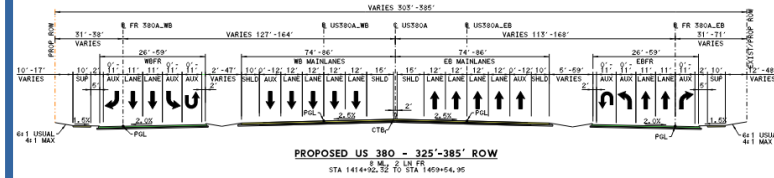
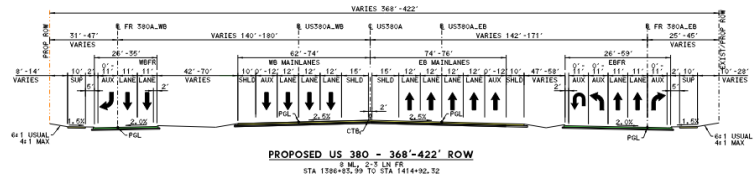
Detailed cross section depiction of existing or proposed roadway layouts that display lanes, medians, and buffer zone widths (area between roadway and shared use path)

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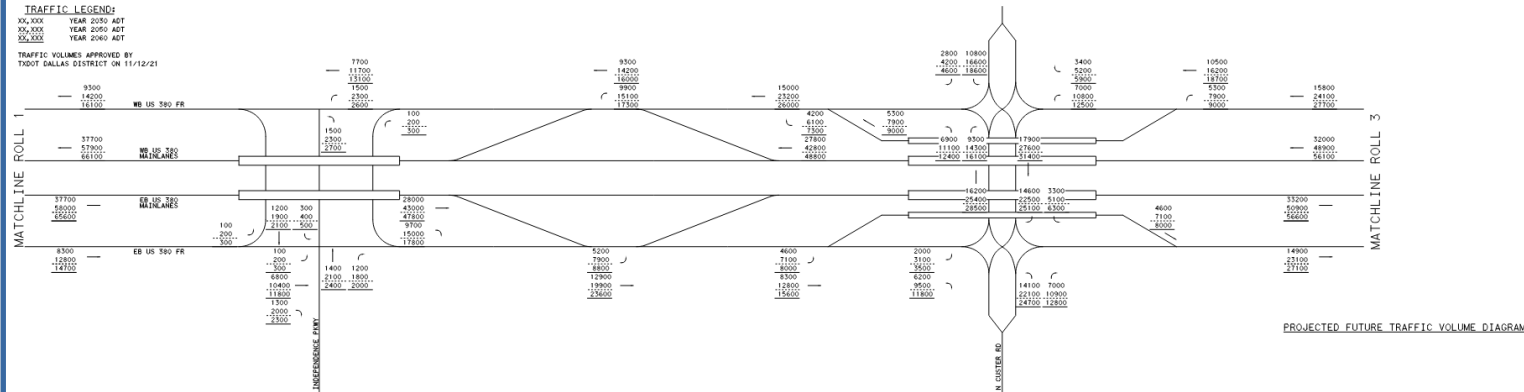
Traffic Diagrams

Traffic projections in opening and future design years for through and turning movements at intersections



TRAFFIC LEGEND
 XX,XXX YEAR 2050 ADT
 XX,XXX YEAR 2040 ADT
 XX,XXX YEAR 2030 ADT
 XX,XXX YEAR 2020 ADT
 XX,XXX YEAR 2010 ADT
 XX,XXX YEAR 2000 ADT

TRAFFIC VOLUMES APPROVED BY
 TxDOT DALLAS DISTRICT ON 11/12/21



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TYPICAL SECTIONS LEGEND:

	EXISTING LANE DIRECTION OF TRAVEL
	PROPOSED LANE DIRECTION OF TRAVEL
	EXISTING ROADWAY TO REMAIN
	PROPOSED BRIDGE
	PROPOSED MAINLANES
	PROPOSED RAMPS
	PROPOSED FRONTAGE ROADS
	PROPOSED CROSS STREETS
	PROPOSED SHARED USE PATH (SUP) OR SIDEWALK

NOTES:

CTB: CONCRETE TRAFFIC BARRIER
CTR: CONCRETE TRAFFIC RAIL
(CTR NOT REQUIRED WHEN
ADEQUATE CLEAR ZONE PROVIDED)

Typical Section Legend
Legend, or key, for various
elements on the roadway plans

LEGEND:

	EXISTING ROW
	EXISTING PROPERTY LINES
	EXISTING STREAMS
	EXISTING WETLANDS/PONDS
	EXISTING 100 YR FLOODPLAIN
	EXISTING FLOODWAY
	EXISTING DRAINAGE CULVERT
	EXISTING ROADWAY AND UTILITY EASEMENTS
	PROPOSED DRAINAGE CULVERT
	PROPOSED CENTERLINE/BASELINE
	PROPOSED ROW
	PROPOSED ROW (BY OTHERS)
	PROPOSED UTILITY EASEMENT (BY OTHERS)
	PROPOSED TRAFFIC BARRIER
	PROPOSED BRIDGE BENTS
	PROPOSED RETAINING WALL
	EXISTING NOISE BARRIER
	PROPOSED NOISE BARRIER
	ULTIMATE/FUTURE IMPROVEMENTS (BY OTHERS)
	EXISTING LANE DIRECTION OF TRAVEL
	PROPOSED LANE DIRECTION OF TRAVEL
	DIRECTION OF FLOW
	PROPOSED BRIDGE
	PROPOSED MAINLANES
	PROPOSED RAMPS
	PROPOSED FRONTAGE ROADS
	PROPOSED CROSS STREETS AND DRIVEWAYS
	PROPOSED SHARED USE PATH OR SIDEWALK
	PROPOSED TRANSITION/INTERIM PAVEMENT
	PAVEMENT TO BE REMOVED
	PROJECT BY OTHERS
	FUTURE ROADWAY CONNECTION BY OTHERS
	DIRECT BUILDING DISPLACEMENT
	INDUCED BUILDING DISPLACEMENT
	HORIZONTAL ALIGNMENT CURVE NAME
	PARCEL ID NUMBER
	EXISTING WATER
	EXISTING SANITARY SEWER
	EXISTING GAS
	EXISTING ELECTRIC
	EXISTING COMMUNICATIONS

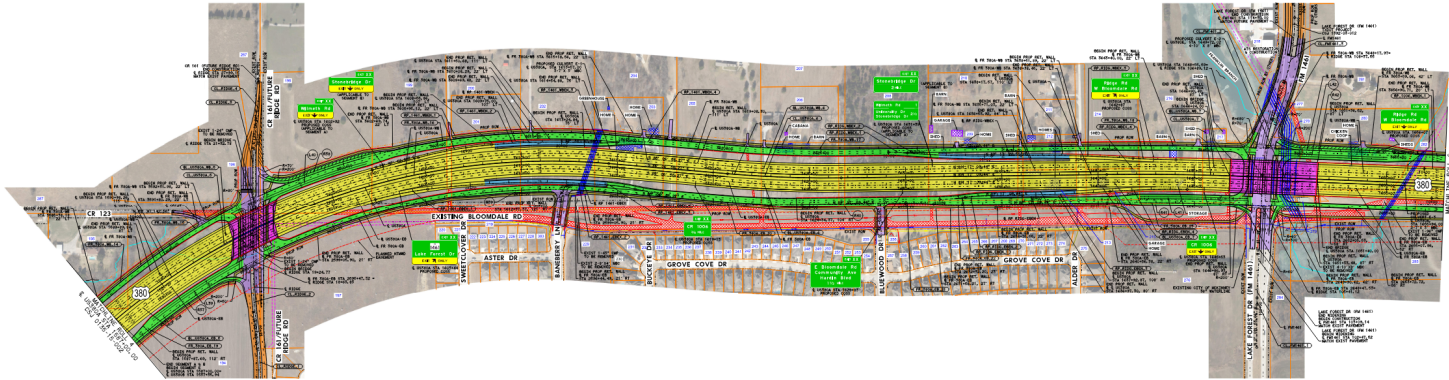
Schematic Legend
Legend, or key, for
various elements on
the roadway plans

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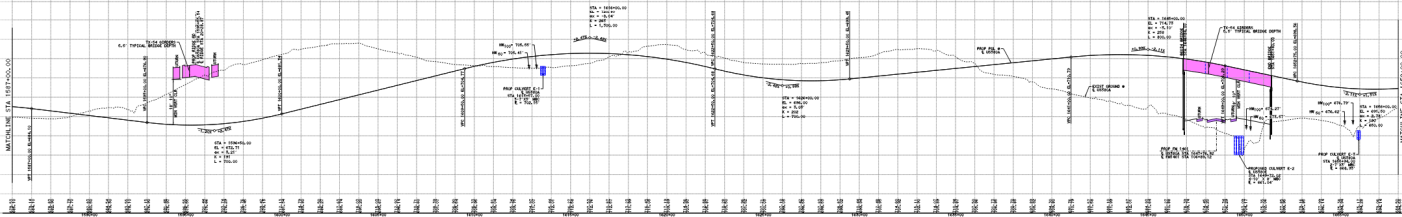
Plan View

Two-dimensional bird's eye view of roadway plans

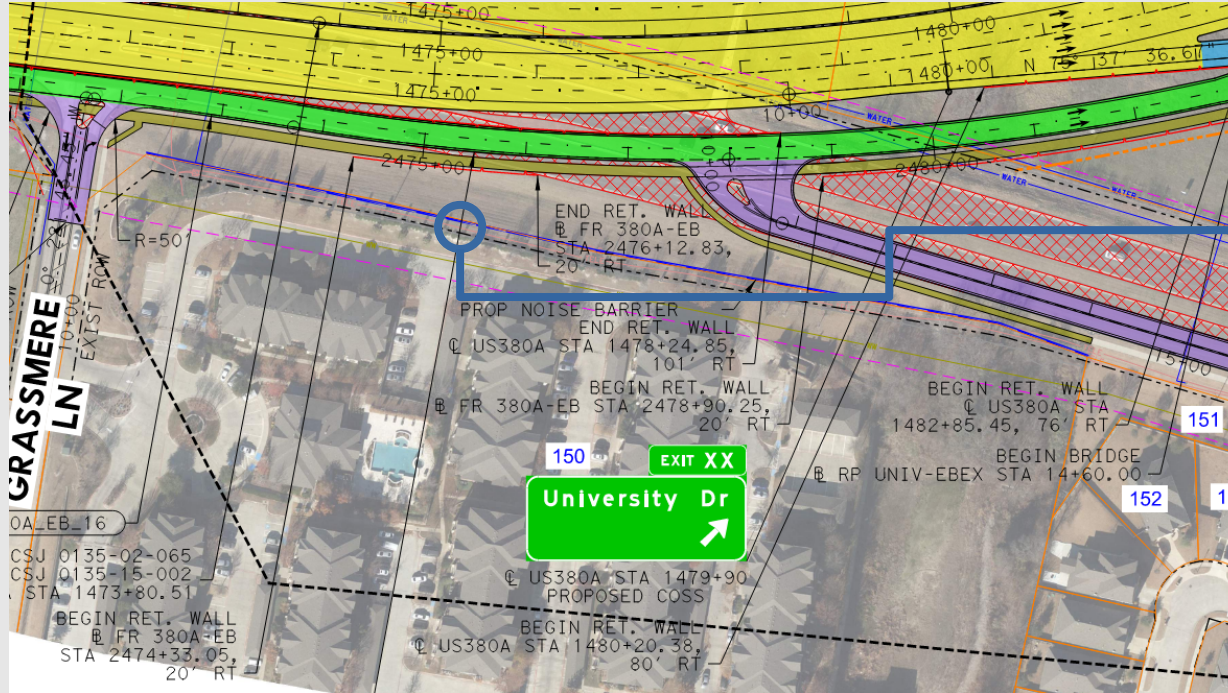


Profile View

Two-dimensional view of roadway hills and valleys



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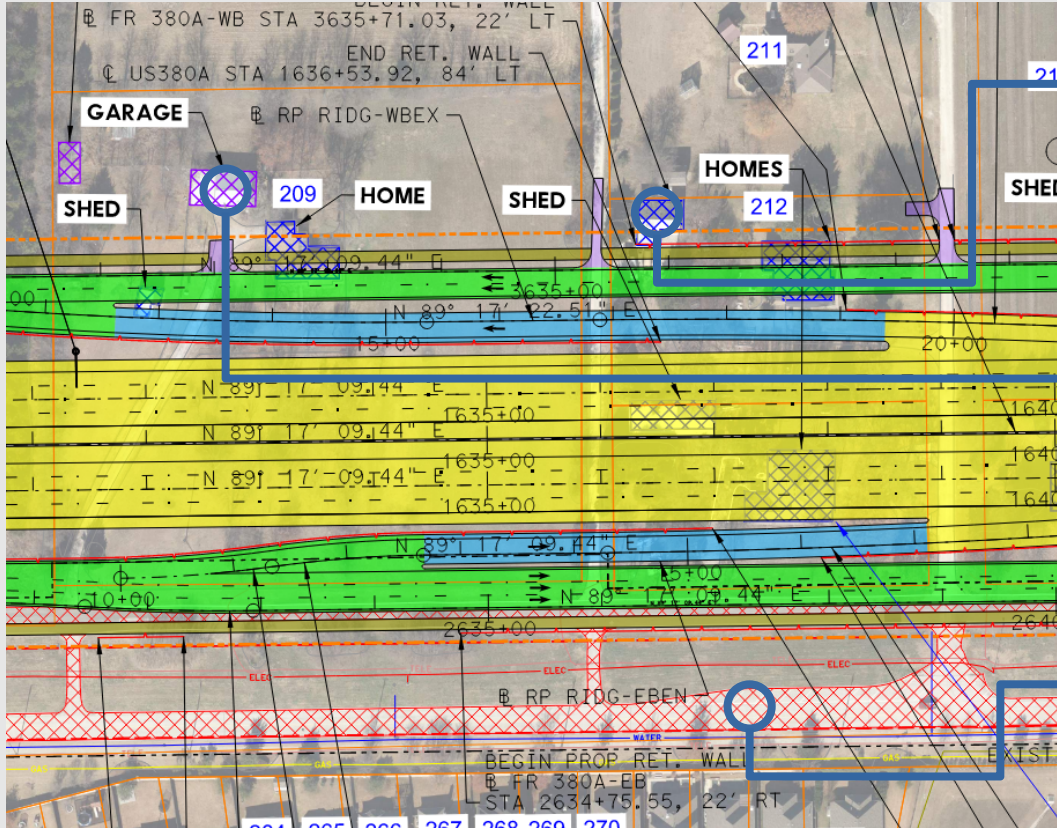


Proposed Noise Barrier
Proposed noise barriers are shown on the schematics are preliminary, approximate locations based off the Traffic Noise Model Analysis. Locations and limits of the barriers are subject to change.

 PROPOSED NOISE BARRIER

Four noise barriers were deemed reasonable, feasible and cost effective for this project. The location of those barriers can be found on plan view roll sheets 1, 3, 6, and 7.

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Building Displacement

Occurs when right-of-way physically impacts a structure



DIRECT BUILDING DISPLACEMENT

Induced Displacement

occurs when the right-of-way needed for construction of a project would impair use of the property



INDUCED BUILDING DISPLACEMENT

Pavement Removal

Occurs when right-of-way requires removal of an existing roadway



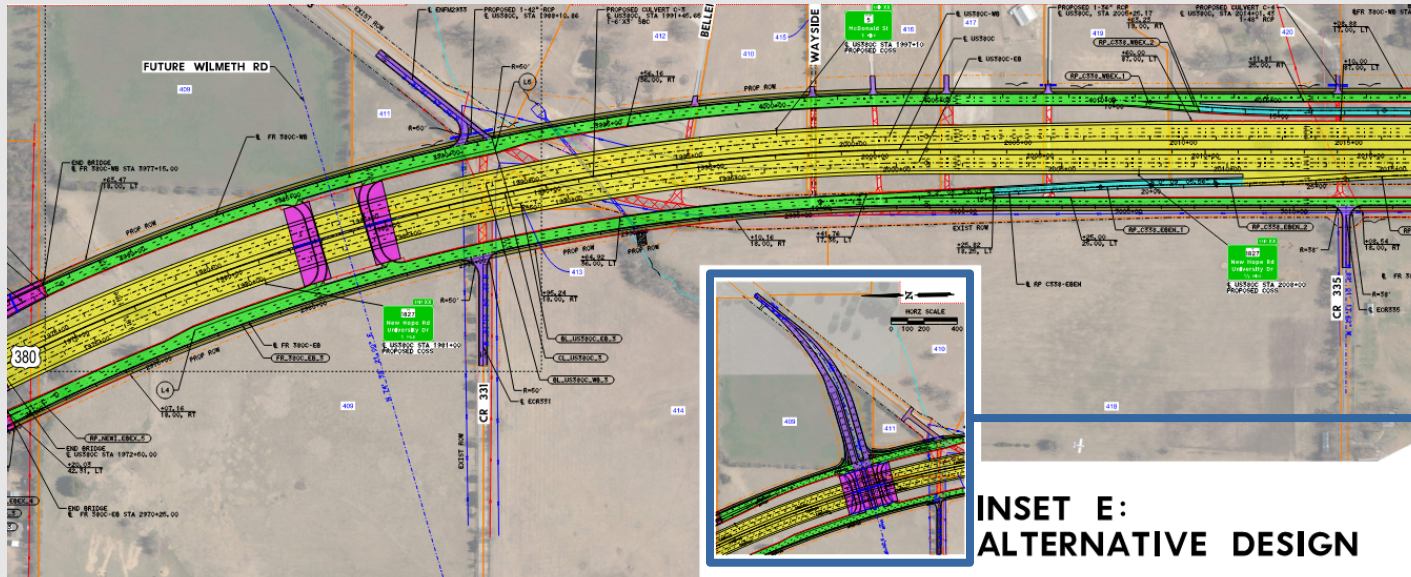
PAVEMENT TO BE REMOVED

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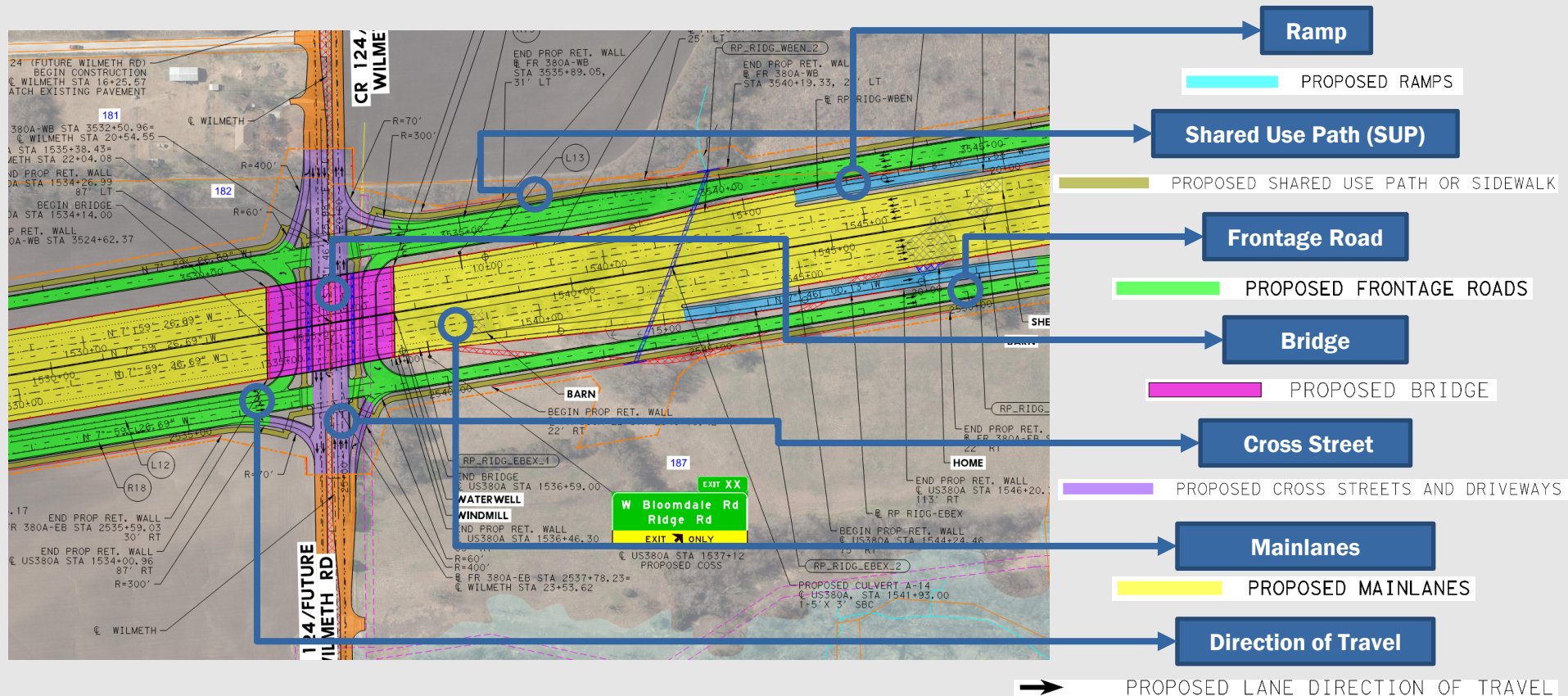
TxDOT is considering design updates for the project's final design. These design updates are shown as inset maps on the schematic roll plots. TxDOT is still evaluating all potential impacts of the design updates.

Design updates will be made after the Public Hearing in consideration of public comments received and included in the Final Environmental Impact Statement (FEIS).



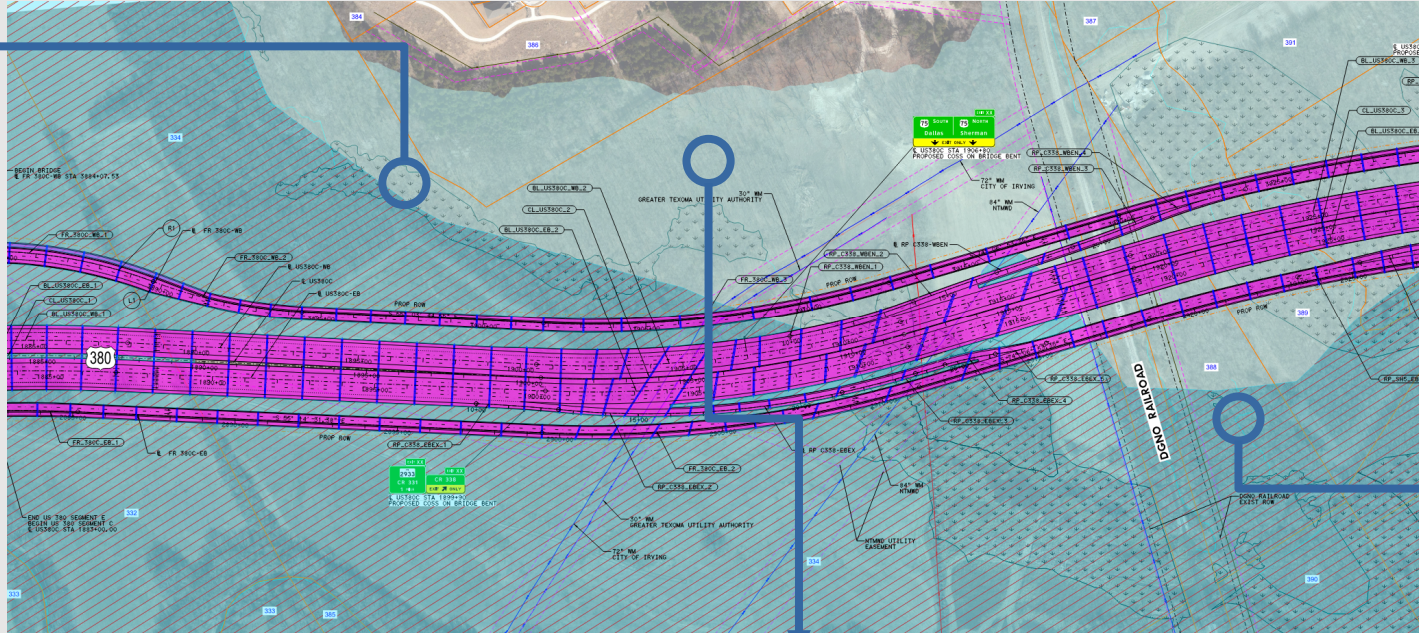
Inset Map
Proposed design change
under TxDOT consideration

**INSET E:
ALTERNATIVE DESIGN**





EXISTING FLOODWAY



EXISTING 100 YR FLOODPLAIN

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Property Owner Data
ID corresponds to location of property

PARCEL	OWNER	PROPERTY OWNERS	ADDRESS	OCCUPANT
200	RIDGE MCKINNEY REALTY LLC	6795 COUNTY ROAD 123	MCKINNEY, TX 75071	VACANT LAND
200	TERRY & SUSAN HENDERSON	6919 COUNTY ROAD 123	MCKINNEY, TX 75071	RESIDENTIAL
200	TMFG HIGHLAND LAKES LLC	6735 SALT CEDAR WY STE200 BLDG1	FRISCO, TX 75034	VACANT LAND
201	TMFG HIGHLAND LAKES LLC	6735 SALT CEDAR WY STE200 BLDG1	FRISCO, TX 75034	VACANT LAND W/ LAKE
303	CORP. OF THE EPISCOPAL DIOCESE OF DALLAS	1630 N GARRETT AVE	DALLAS, TX 75206-7702	BLOOMDALE FARMS
304	LARRY & AE C ROGERS	5575 PEBBLE CREEK DR	PROSPER, TX 75078-9712	BLOOMDALE FARMS
305	RICCARDO SCICCHITANO	6508 COUNTY ROAD 123	MCKINNEY, TX 75071	RESIDENTIAL
306	JMJ TEXAS VENTURES LLC	2004 EXALL ST	ALLEN, TX 75013-4792	BLOOMDALE FARMS
307	JMJ TEXAS VENTURES LLC	2004 EXALL ST	ALLEN, TX 75013-4792	BLOOMDALE FARMS
308	KEVIN VOIGT LIVING TRUST THE	6290 COUNTY ROAD 123	MCKINNEY, TX 75071	RESIDENTIAL
309	COMBS KEVIN P & LACEY N REVOCABLE TRUST	6286 COUNTY ROAD 123	MCKINNEY, TX 75071	RESIDENTIAL
310	JONATHAN E & ELIZABETH DALE	6200 COUNTY ROAD 123	MCKINNEY, TX 75071	RESIDENTIAL
311	JORDAN & HUNTER REILLY REVOCABLE TRUST	6180 COUNTY ROAD 123	MCKINNEY, TX 75071	RESIDENTIAL
312	CESAR REYES & RENEE REYES	1108 SERENITY LN	MCKINNEY, TX 75069-7460	RESIDENTIAL
313	ZAHID & FATIMA ZAFAR FAMILY REVOCABLE TRUST	4404 HARVARD LN	FRISCO, TX 75034-6923	VACANT LAND
314	FRANK & PATSY MORRIS REV LVNG TR	6008 COUNTY ROAD 123	MCKINNEY, TX 75071	RESIDENTIAL
315	BETHANY D GIDNEY	4113 LINEHAN LN	MCKINNEY, TX 75071	RESIDENTIAL
316	KENNETH R MARQUIS III & KRISTA L LEONARD	4111 AKELA WAY	MCKINNEY, TX 75071	RESIDENTIAL
317	RYAN YARBOROUGH	4053 AKELA WAY	MCKINNEY, TX 75071	RESIDENTIAL
318	FRANCISCO CHACON	4023 AKELA WAY	MCKINNEY, TX 75071	RESIDENTIAL
319	CHARLES & AMELIA J LEWIS	4180 AKELA WAY	MCKINNEY, TX 75071	RESIDENTIAL
320	JOSEPH A LANDE	5764 COUNTY ROAD 123	MCKINNEY, TX 75071	RESIDENTIAL
321	THE RYAN FAMILY LIVING TRUST	3355 RYAN TRL	MCKINNEY, TX 75071	RESIDENTIAL W/ LAKE
322	STAN CASE	5632 COUNTY ROAD 123	MCKINNEY, TX 75071	JUNKYARD
323	LAKE FOREST BUSINESS PARK LLC	101 BUSINESS PARK WAY	MCKINNEY, TX 75071	LAKE FOREST BUSINESS PARK
324	CADG MCKINNEY BLOOMRIDGE 40 LLC	3801 BANE BERRY LN	MCKINNEY, TX 75071	COMMON AREA
325	BRENDAN & KATELYN BOGENSCHUTZ	6020 ASTER DR	MCKINNEY, TX 75071	RESIDENTIAL
326	BRYAN GOYCO ASENSIO & GUERRERO ZULEIKA	6016 ASTER DR	MCKINNEY, TX 75071	RESIDENTIAL
327	RACHEL HERRERA & OMAR MARTINEZ	6012 ASTER DR	MCKINNEY, TX 75071	RESIDENTIAL
328	ALBERTO OLIVARES & CECILIA MAGDALENA	6008 ASTER DR	MCKINNEY, TX 75071	RESIDENTIAL
329	LYDIA OMARE	6004 ASTER DR	MCKINNEY, TX 75071	RESIDENTIAL
330	FADI M & MAY KAAKE	6000 ASTER DR	MCKINNEY, TX 75071	RESIDENTIAL
331	ROBERT T & BRITNEY S BAXTER	5912 ASTER DR	MCKINNEY, TX 75071	RESIDENTIAL
332	DANA S & VIAN N TOVI	5908 ASTER DR	MCKINNEY, TX 75071	RESIDENTIAL
333	MEGATEL HOMES LLC	5904 ASTER DR	MCKINNEY, TX 75071	VACANT RESIDENTIAL LAND
334	HUNTER 38042 LP	5900 ASTER DR	MCKINNEY, TX 75071	VACANT RESIDENTIAL LAND
335	BLOOMRIDGE HOMEOWNERS ASSOCIATION INC	3700 BANE BERRY LN	MCKINNEY, TX 75071	COMMON AREA/DRAINAGE EASEMENT
336	GOODMAN KEVIN B & CYNTHIA	3717 BUCKEYE DR	MCKINNEY, TX 75071	RESIDENTIAL

