

US 380 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 main lanes, 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 top left side 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.

US 380 Schematic Viewing Guide



Texas Department of Transportation

DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

PUBLIC MEETING ROLL PLOTS US 380 COLLIN COUNTY, TEXAS

**CSJ 0135-02-065
FROM COIT RD TO JCT US 380/UNIVERSITY DR
CSJ 0135-15-002
FROM EAST JCT US 380/UNIVERSITY DR
TO WEST JCT US 380/UNIVERSITY DR
CSJ 0135-03-053
FROM SH5 TO FM 1827**

SEGMENT A LENGTH: 5.47 MILES
SEGMENT B LENGTH: 4.54 MILES
SEGMENT C LENGTH: 4.21 MILES
SEGMENT D LENGTH: 4.43 MILES
SEGMENT E LENGTH: 5.61 MILES

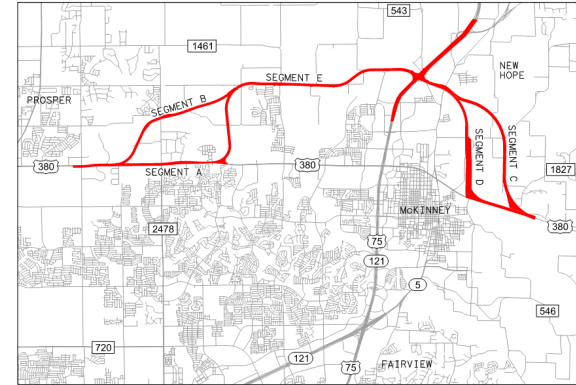
ROADWAY	FUNCTIONAL CLASS.	DESIGN SPEED	eMAX
US 380 MAINLANES	URBAN FREEWAY	70 MPH	6%
RAMPS	URBAN FREEWAY	45 MPH	6%
DIRECT CONNECTOR	URBAN FREEWAY	45 MPH	6%
COLLECTOR DISTR	URBAN FREEWAY	45 MPH	6%
FRONTAGE RD	URBAN COLLECTOR	45 MPH	2%
INTERSECTING ST	URBAN MINOR ARTERIAL	30 MPH	2%
INTERSECTING ST	URBAN COLLECTOR	30 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 on the roll



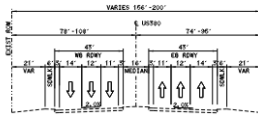
LOCATION MAP
NOT TO SCALE

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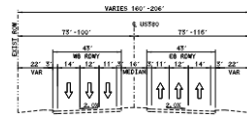


Typical Section

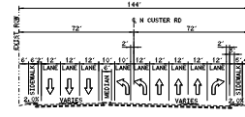
Existing or proposed roadway layouts that display lanes, medians, and buffer zone widths (area between roadway and shared use path)



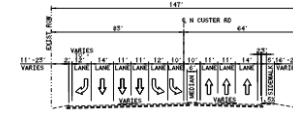
EXISTING US 380
CUSTER RD TO N CUSTER RD



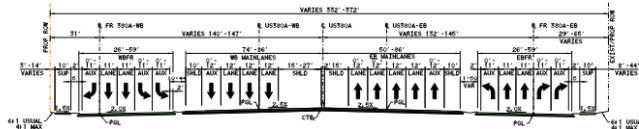
EXISTING US 380
N CUSTER RD TO TRUNK RD



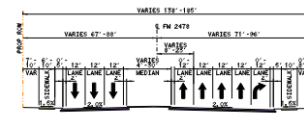
FUTURE N CUSTER RD (FM 2478) BY OTHERS
SOUTH APPROACH AT US380



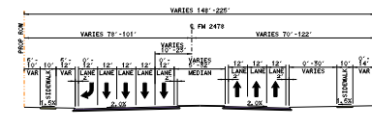
FUTURE EXISTING N CUSTER RD (FM 2478)
NORTH APPROACH AT US380



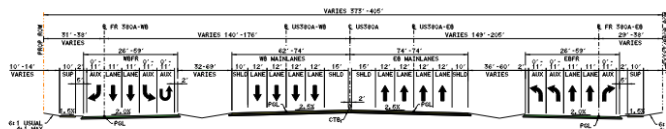
PROPOSED US 380 = 332'-372' ROW
N CUSTER RD TO WEST OF TRUNK RD
STA 130+0.00 TO STA 140+00.00



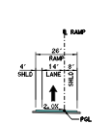
PROPOSED N CUSTER RD (FM 2478)
SOUTH APPROACH AT US380



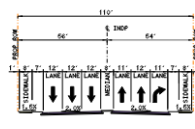
PROPOSED N CUSTER RD (FM 2478)
NORTH APPROACH AT US380



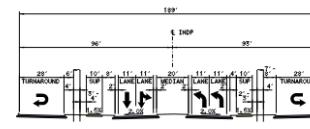
PROPOSED US 380 = 373'-405' ROW
N CUSTER RD TO WEST OF TRUNK RD
STA 140+00.00 TO STA 150+00.00



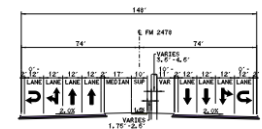
PROPOSED US 380
1 LANE RAMP



PROPOSED INDEPENDENCE PKWY
SOUTH APPROACH AT US380



PROPOSED INDEPENDENCE PKWY
CROSS STREET SECTION AT US380



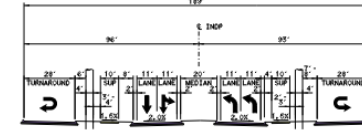
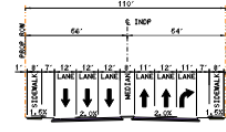
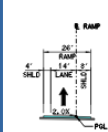
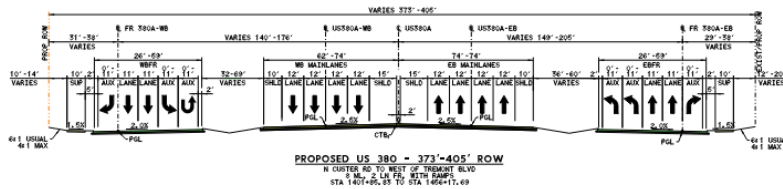
PROPOSED N CUSTER RD (FM 2478)
CROSS STREET SECTION AT US380

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Traffic Diagrams

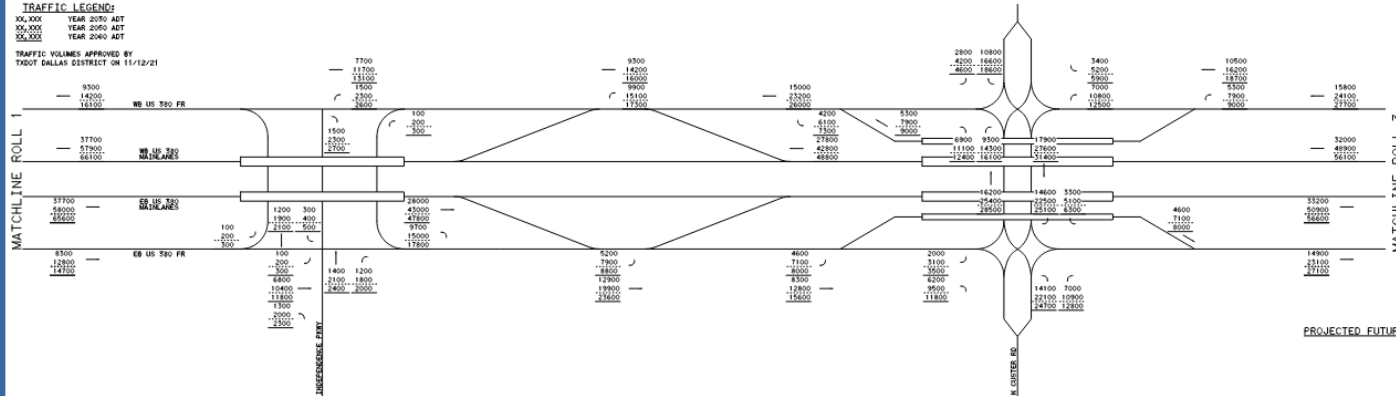
Traffic projections in current and future design years for thru and turning movements at intersections



TRAFFIC LEGEND:

XX,XXX YEAR 2010 ADT
XX,XXX YEAR 2020 ADT
XX,XXX YEAR 2040 ADT

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



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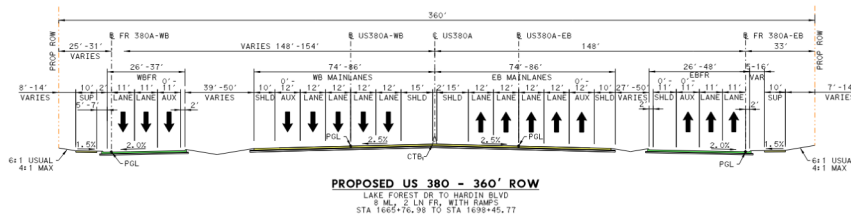


Typical Section Legend

Legend, or key, for various elements on the typical section plans

TYPICAL SECTIONS LEGEND:

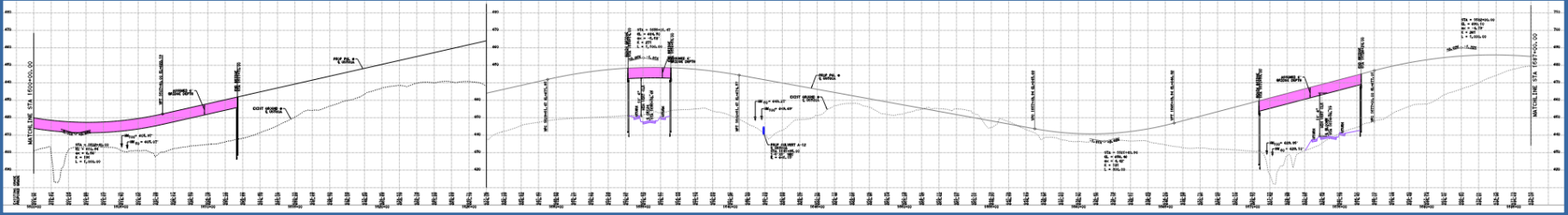
- EXISTING LANE DIRECTION OF TRAVEL
- PROPOSED LANE DIRECTION OF TRAVEL
- EXISTING ROADWAY TO REMAIN
- PROPOSED BRIDGE
- PROPOSED MAINLANES
- PROPOSED RAMP
- PROPOSED FRONTAGE ROADS
- PROPOSED CROSS STREETS
- PROPOSED SHARED USE PATH (SUP) OR SIDEWALK



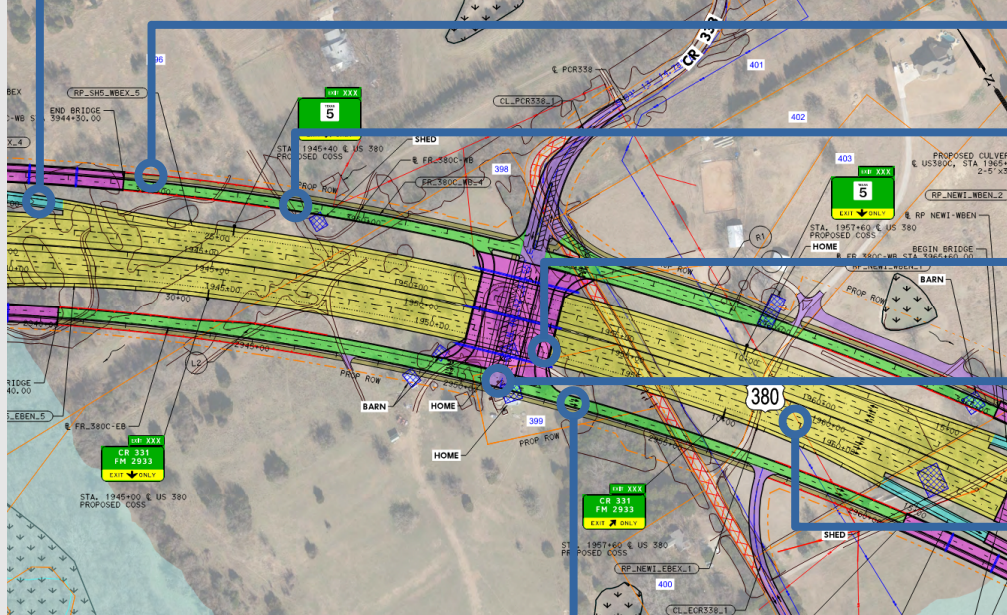
LEGEND:

- EXISTING ROW
- EXISTING PROPERTY LINES
- EXISTING STREAMS
- EXISTING WETLANDS
- 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)
- EXISTING DENIAL OF ACCESS
- PROPOSED TRAFFIC BARRIER
- PROPOSED BRIDGE BENTS
- PROPOSED RETAINING WALL
- EXISTING NOISE WALL
- ULTIMATE/FUTURE IMPROVEMENTS (BY OTHERS)
- EXISTING LANE DIRECTION OF TRAVEL
- PROPOSED LANE DIRECTION OF TRAVEL
- DIRECTION OF FLOW
- PROPOSED SIGNALIZED INTERSECTION
- PROPOSED BRIDGE
- PROPOSED MAINLANES
- PROPOSED RAMP
- 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 IN DESIGN OR CONSTRUCTION
- DIRECT BUILDING DISPLACEMENT
- INDUCED BUILDING DISPLACEMENT
- CL_US380A-1 HORIZONTAL ALIGNMENT CURVE NAME
- 120 PARCEL ID NUMBER
- WATER EXISTING WATER
- WWL EXISTING SANITARY SEWER
- GP EXISTING GAS
- ELEC EXISTING ELECTRIC
- TELE EXISTING COMMUNICATIONS

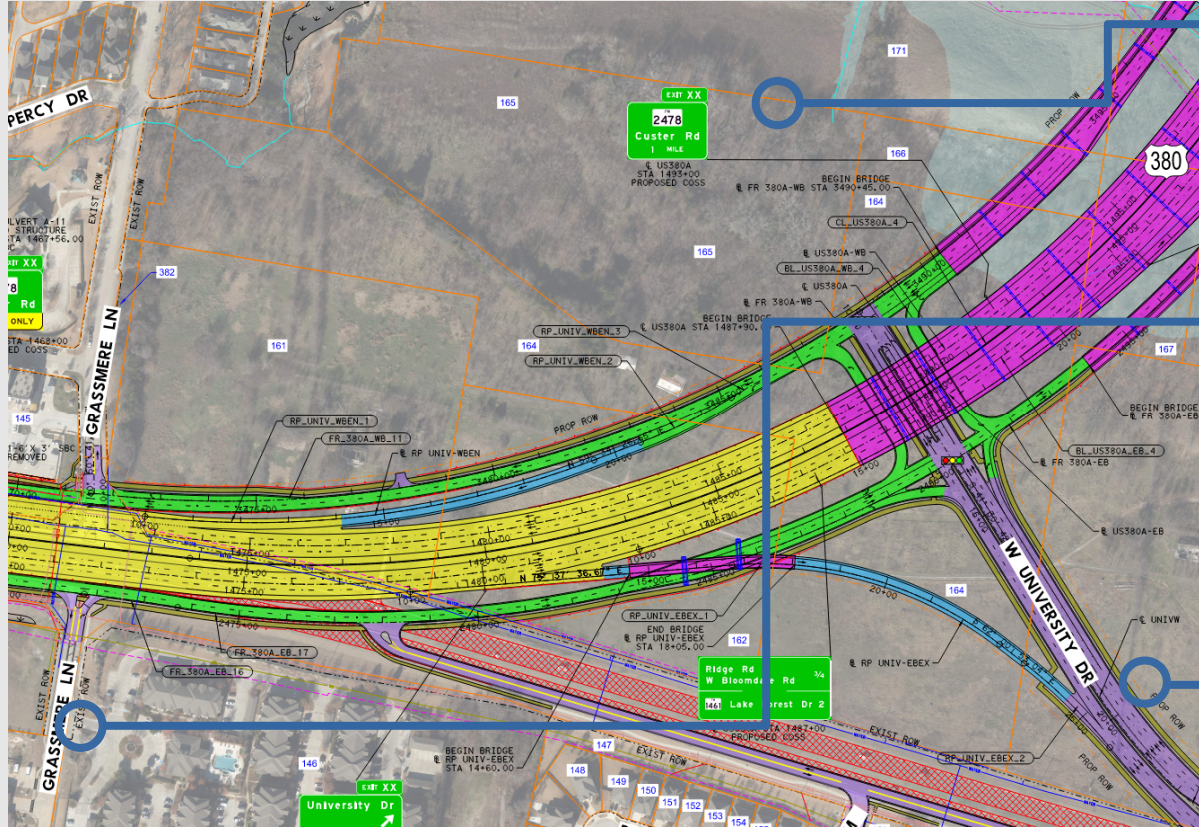
Schematic Legend
Legend, or key, for various elements on the roadway plans



Two-dimensional view of proposed roadway



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Existing Property Line

EXISTING PROPERTY LINES

Existing Right-of-Way

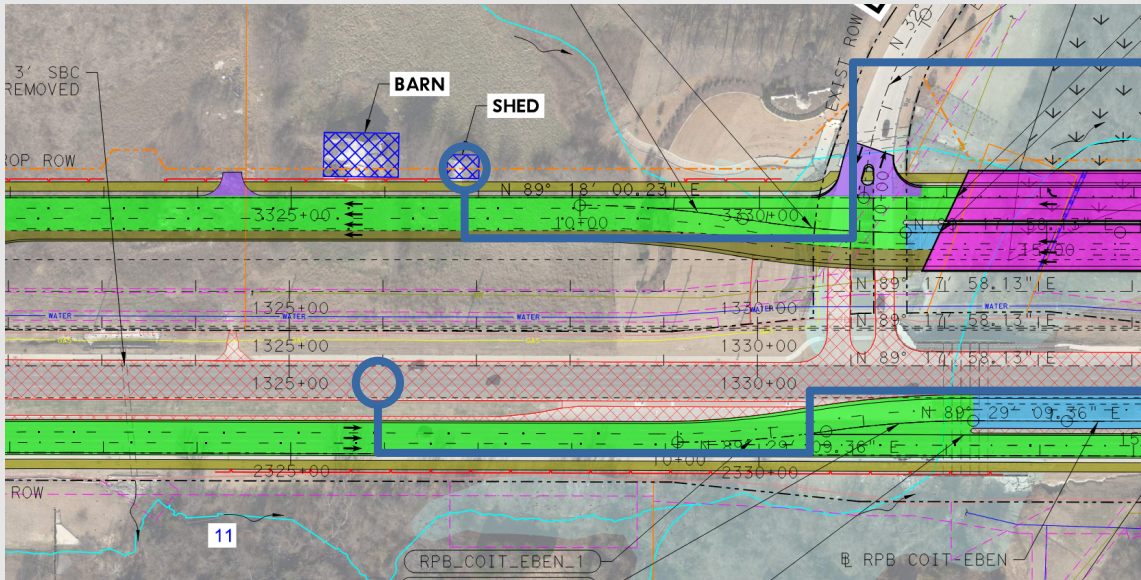
EXISTING ROW

Proposed Right-of-Way

PROPOSED ROW



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Building Displacement

Occurs when right-of-way physically impacts a structure



DIRECT BUILDING DISPLACEMENT

Roadway Removal

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



PAVEMENT TO BE REMOVED

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PARCEL	OWNER	PROPERTY OWNERS	OCCUPANT
283	BHATT, TANAY & RUSSANN	BLOOMDALE ESTATES	
284	COOPER, CHRISTOPHER B & KATHERINE LYNN	RESIDENTIAL	
286	JEN TEXAS 22 LLC	FARM	
286	MCKINNEY RANCH LTD	VACANT LAND	
288	CIMARRON PARTNERS LTD	VACANT LAND	
289	JOPLIN PARTNERS LTD	VACANT LAND	
290	MCKINNEY CITY OF	VACANT LAND	
291	MCKINNEY CITY OF	FARM	
293	JOPLIN PARTNERS LTD	FARM	
293	CADG, ERWIN FARMS LLC	VACANT RESIDENTIAL LAND	
293	CITY OF MCKINNEY	MOUNTAIN BIKE PARK	
295	TIMBER CREEK PROPERTIES LLC	VACANT LAND	
296	TIMBER CREEK PROPERTIES LLC	VACANT LAND	
297	TIMBER CREEK PROPERTIES LLC	FORMER NEIGHBORHOOD	
298	MAC TMK LP	VACANT LAND	
299	MAC TMK LP	VACANT LAND	
300	MAC TMK LP	RESIDENTIAL	

Property Owner Data
ID corresponds to location of property

120

PARCEL ID NUMBER

