

Spur 399 Extension 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 crossroads
- Horizontal and vertical alignments with curves, elevation, 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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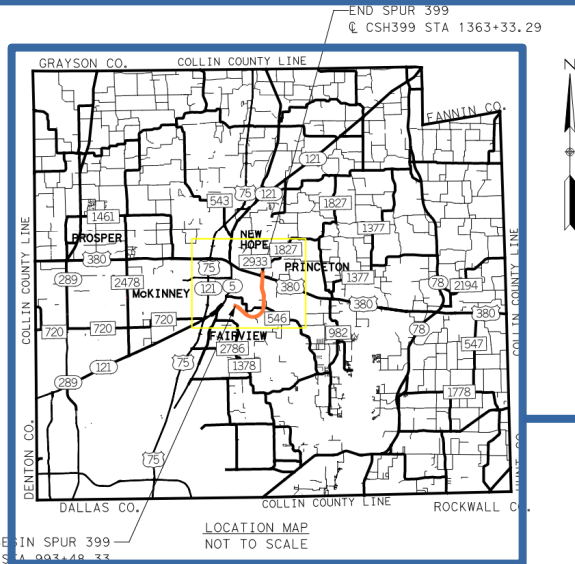


DESIGN SPEEDS

MAINLANES (FREEWAY):	70	MPH
GENERAL RAMP (PRINCIPAL ARTERIAL):	40-50	MPH
FRONTAGE ROADS (COLLECTOR):	45	MPH
CROSS STREETS (MAJOR COLLECTOR):	35	MPH

Design Speed

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



Location Map

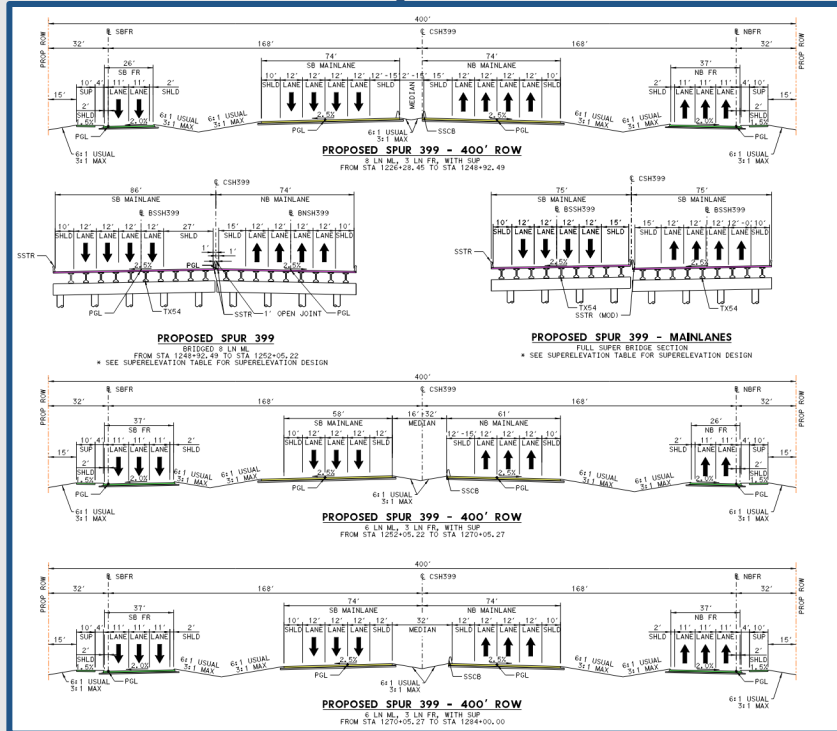
Displays the project location and limits for the roadway plans shown on the roll

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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)

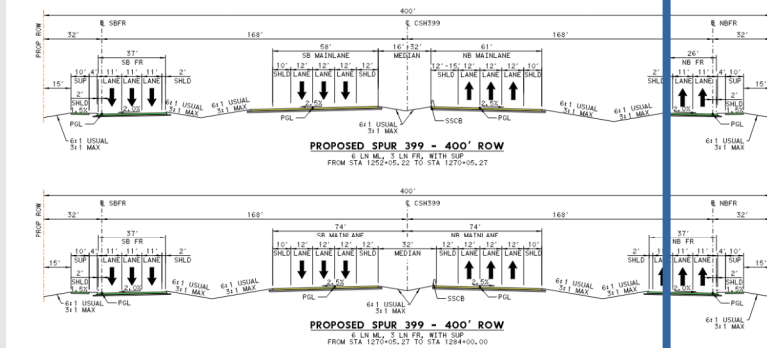


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Traffic Diagrams

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

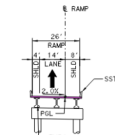


PROPOSED SPUR 399
RHS446A FROM STA 15+11.38 TO STA 31+05.78
RHS17RIN FROM STA 15+49.32 TO STA 26+40.30

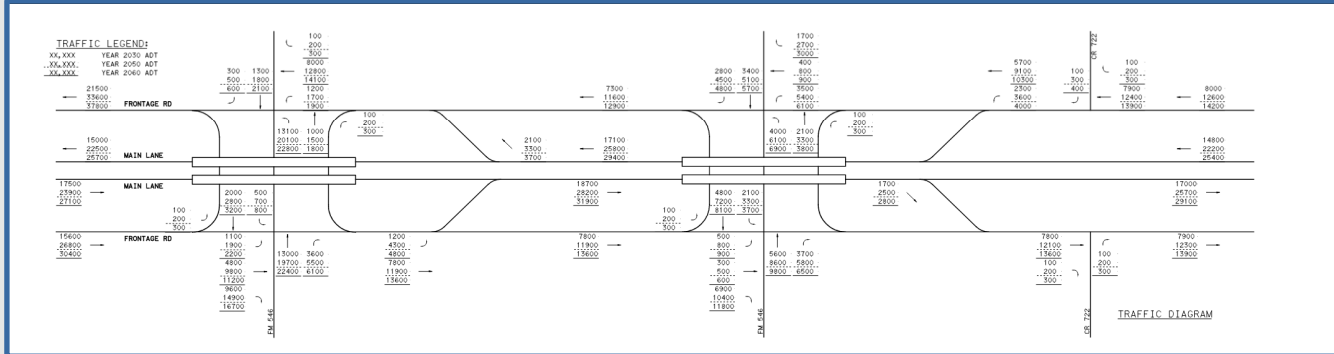


PROPOSED SPUR 399
RHS446A FROM STA 15+11.38 TO STA 21+44.09
RHS17RIN FROM STA 15+51.63 TO STA 26+24.64

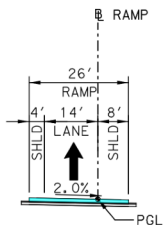
PROPOSED SPUR 399
RHS105D 1 LN SB RAMP
RHS446B FROM STA 12+54.24 TO STA 24+41.1



PROPOSED SPUR 399
RHS105D 1 LN SB RAMP
RHS446B FROM STA 12+54.24 TO STA 27+47.1

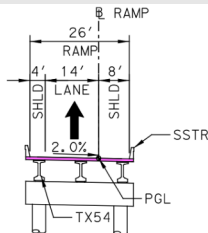


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PROPOSED SPUR 399

1 LN NB RAMP
 RNXSTWRD FROM STA 15+85.58 TO STA 17+38.95
 RNXSTWRD FROM STA 24+97.03 TO STA 34+69.10
 RNESTWRD FROM STA 13+63.09 TO STA 13+79.00



PROPOSED SPUR 399

BRIDGED 1 LN NB RAMP
 RNXSTWRD FROM STA 17+38.95 TO STA 24+97.03
 RNESTWRD FROM STA 13+79.00 TO STA 29+94.22

TYPICAL SECTIONS LEGEND:

- ➔ DIRECTION OF TRAVEL
- PROPOSED BRIDGE
- PROPOSED MAINLANES
- PROPOSED RAMPS
- PROPOSED FRONTAGE ROADS
- PROPOSED CROSS STREETS
- PROPOSED SHARED USE PATH (SUP)
- PROPOSED TRANSITION
- PROJECT BY OTHERS

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

NOTES:

- EXISTING FEATURES WERE PARTIALLY SURVEYED. SCHEMATICS ARE BASED ON PARTIAL SURVEY (2020-2021), AERIAL IMAGERY (2021) AND RECORD PLANS.
- EXISTING R.O.W SHOWN IS BASED ON INFORMATION FROM ADJACENT PROJECTS AND PROPERTY PARCEL DATA. EXISTING R.O.W MAPPING ONGOING AND TO BE FINALIZED PRIOR TO THE 90% SUBMITTAL.
- PROPERTY OWNER DATA WAS OBTAINED FROM COLLIN COUNTY APPRAISAL DISTRICT (JULY 2021).
- APPROXIMATE 100-YEAR FLOODPLAIN LIMITS (2011) WERE OBTAINED FROM COLLIN COUNTY APPRAISAL DISTRICT.
- SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PGL. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB, RAIL, BARRIER, OR WALL (UNLESS OTHERWISE NOTED).
- CURBS ON THE FRONTAGE ROAD AND CROSS STREETS ARE TYPE II (UNLESS OTHERWISE NOTED).
- EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED DURING DETAILED DESIGN STAGE AND COORDINATION WITH THE LOCAL GOVERNMENT THAT THE DRIVEWAY IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN ACCESS DENIAL LIMITS SHOWN.
- BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED R.O.W PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE. INDUCED DISPLACEMENTS WERE DETERMINED WHERE DRIVEWAYS OR PARKING ARE IMPACTED.
- CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
- WB-67 DESIGN VEHICLE WAS USED IN EVALUATION OF TURNING MOVEMENTS.
- TRAFFIC SIGNALS SHOWN ON THE SCHEMATIC ARE SUBJECT TO CHANGE BASED ON THE TXMUTCD TRAFFIC SIGNAL WARRANT ANALYSIS.
- TRAFFIC VOLUMES ON THE TRAFFIC DIAGRAM ARE BASED ON TRAFFIC COUNTS AND GROWTH RATES APPROVED BY TPP (DATE: 10/27/2021)
- ALL BRIDGE SPANS WILL UTILIZE TX54 WITH A ASSUMED DEPTH OF 6' FROM TOP OF DECK TO BOTTOM OF BEAM.
- WETLANDS SHOWN ORIGINATED FROM FIELD SURVEYS CONDUCTED FROM AUGUST 2020 TO JUNE 2021.
- SCHEMATICS SHOW CULVERT INFORMATION ONLY. DETAILED DRAINAGE TO BE INCLUDED IN THE PS&E PHASE.



LEGEND:

- EXISTING ROW
- EXISTING PROPERTY LINES
- EXISTING STREAMS
- EXISTING WETLANDS
- EXISTING 100-YR FLOODPLAIN
- EXISTING FLOODWAY
- PROPOSED CENTERLINE/BASELINE
- PROPOSED ROW
- PROPOSED ROW (BY OTHERS)
- PROPOSED EASEMENT (BY OTHERS)
- PROPOSED TRAFFIC BARRIER
- PROPOSED BRIDGE BENTS/ABUTMENTS
- PROPOSED RETAINING WALL
- PROPOSED CULVERTS
- PROPOSED CULVERTS (BY OTHERS)
- ➔ DIRECTION OF TRAVEL
- ➔ DIRECTION OF FLOW
- ➔ SIGNALIZED INTERSECTION
- PROPOSED BRIDGE
- PROPOSED MAINLANES
- PROPOSED RAMPS
- PROPOSED FRONTAGE ROADS
- PROPOSED CROSS STREETS/DRIVEWAYS
- PROPOSED SHARED USE PATH (SUP)
- PROPOSED TRANSITION
- PROJECT BY OTHERS
- BUILDING DISPLACEMENT
- ROADWAY REMOVAL
- XX-X CURVE NUMBER
- WATER EXISTING WATER
- WWL EXISTING SANITARY SEWER
- GP EXISTING GAS
- ELEC EXISTING ELECTRIC
- TELE EXISTING TELEPHONE

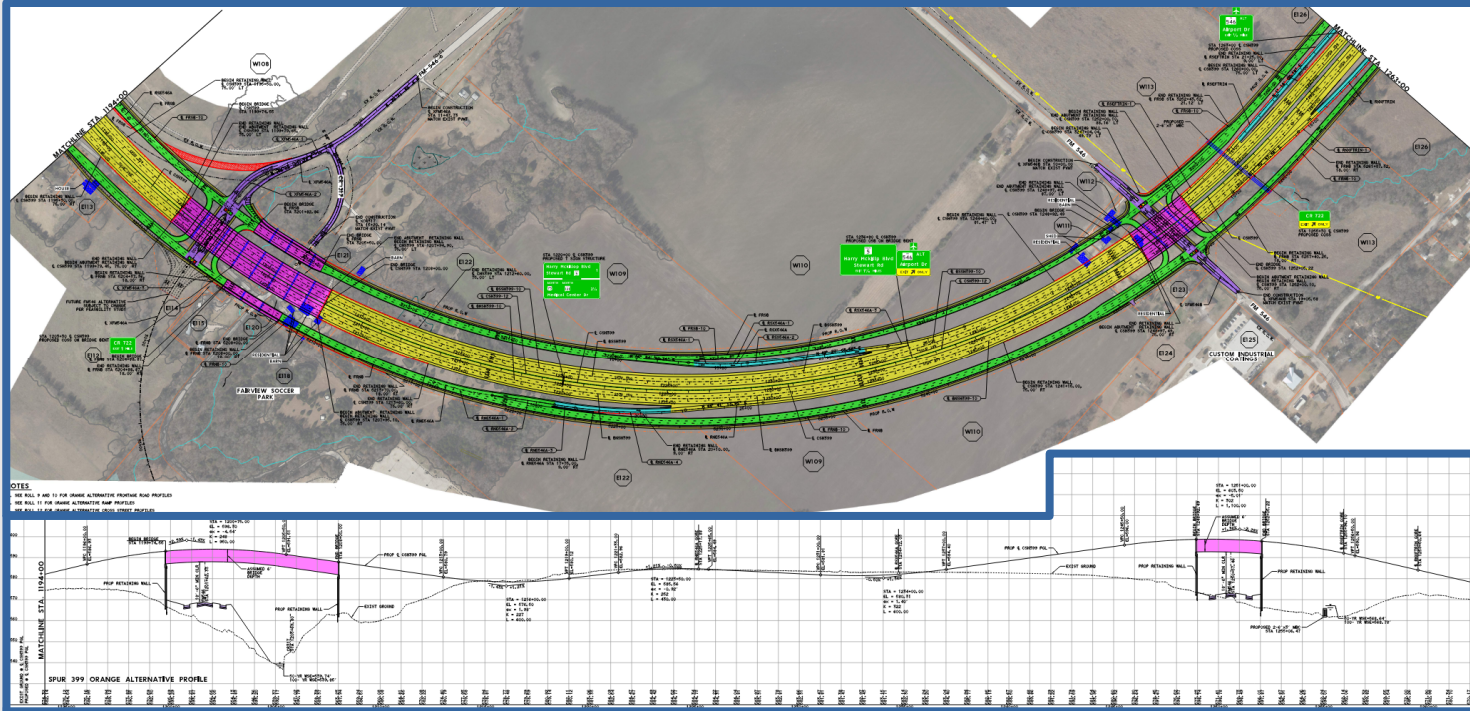
Schematic Legend
 Legend, or key, for various
 elements on the roadway plans

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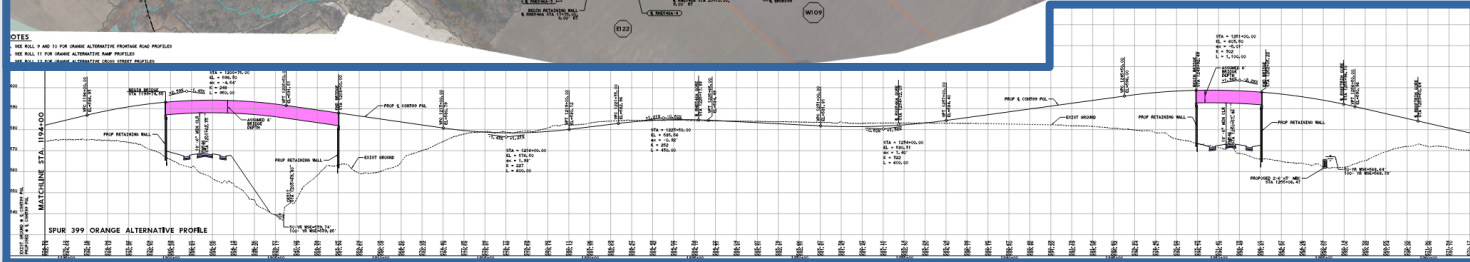
Plan View

Two-dimensional bird's eye view of roadway plans

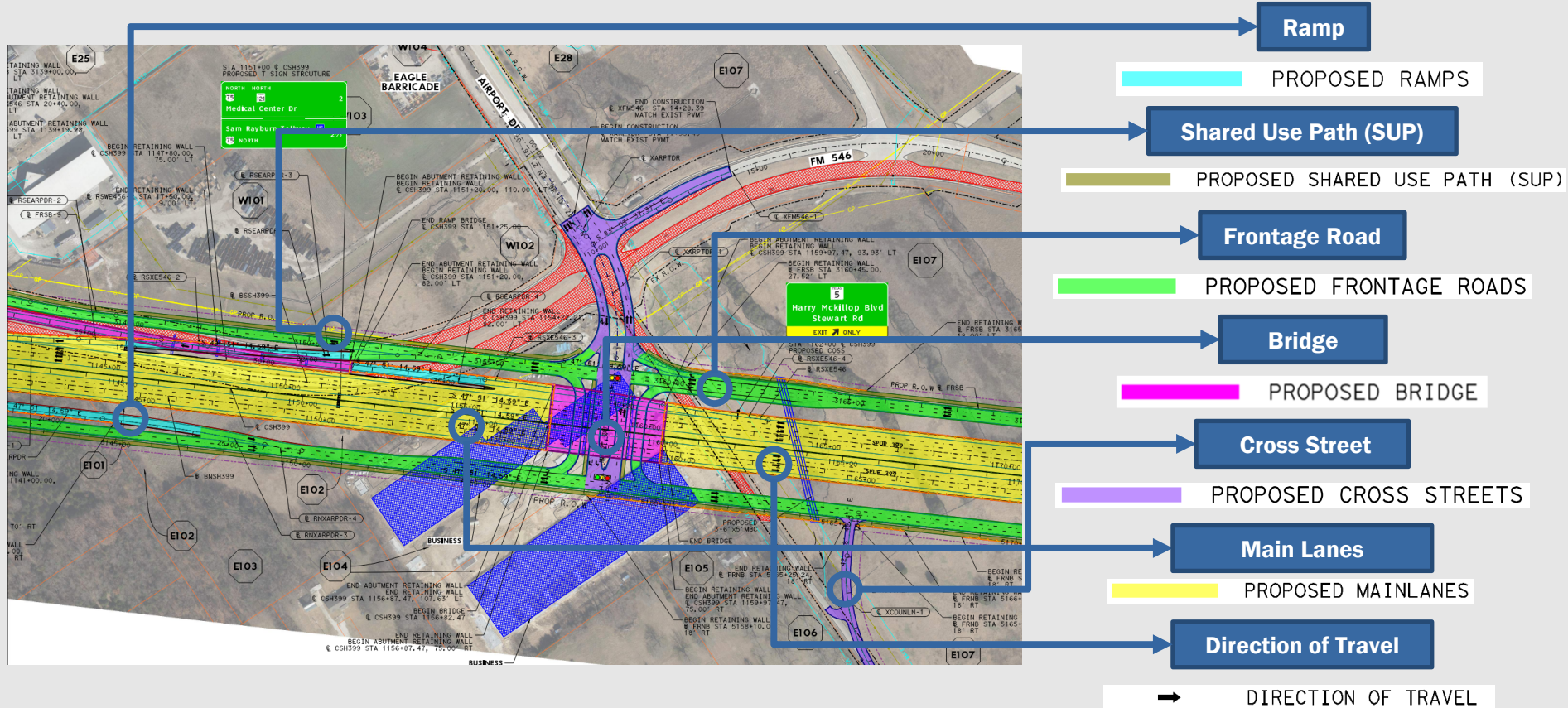


Profile View

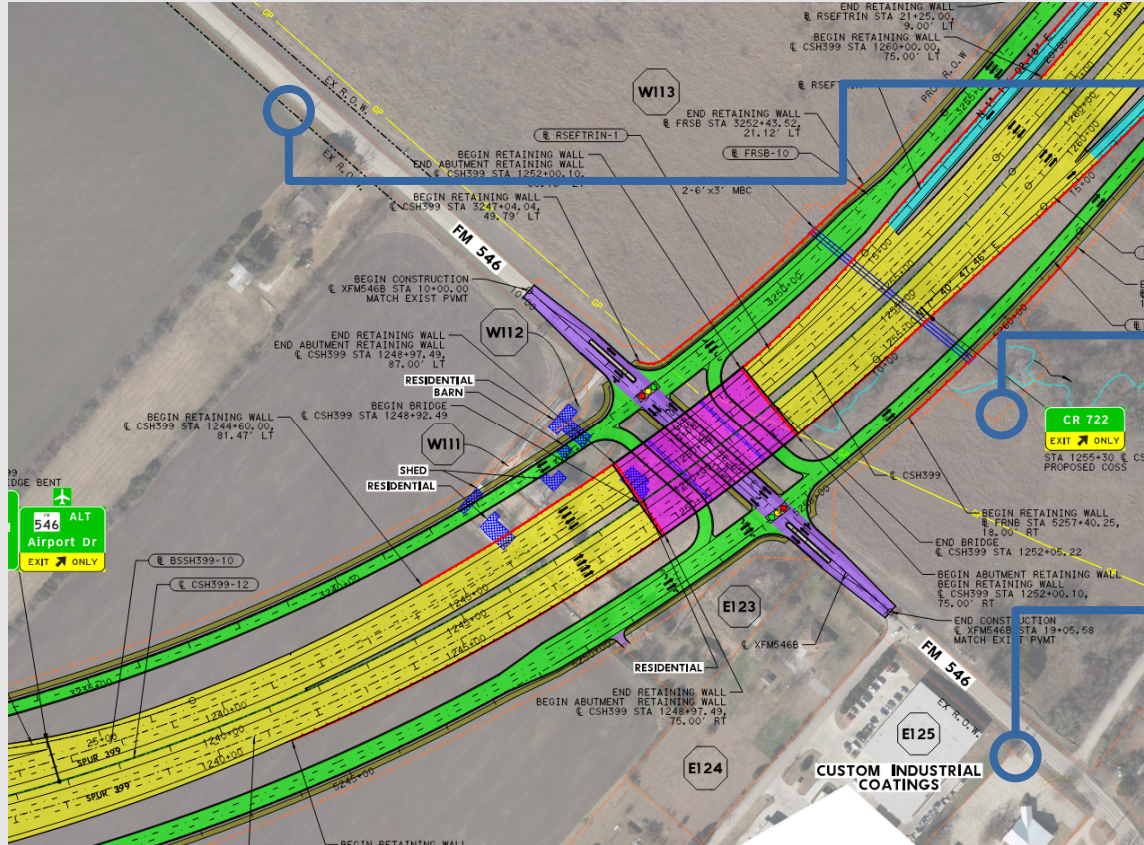
Two-dimensional view of roadway hills and valleys



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Existing Right-of-Way

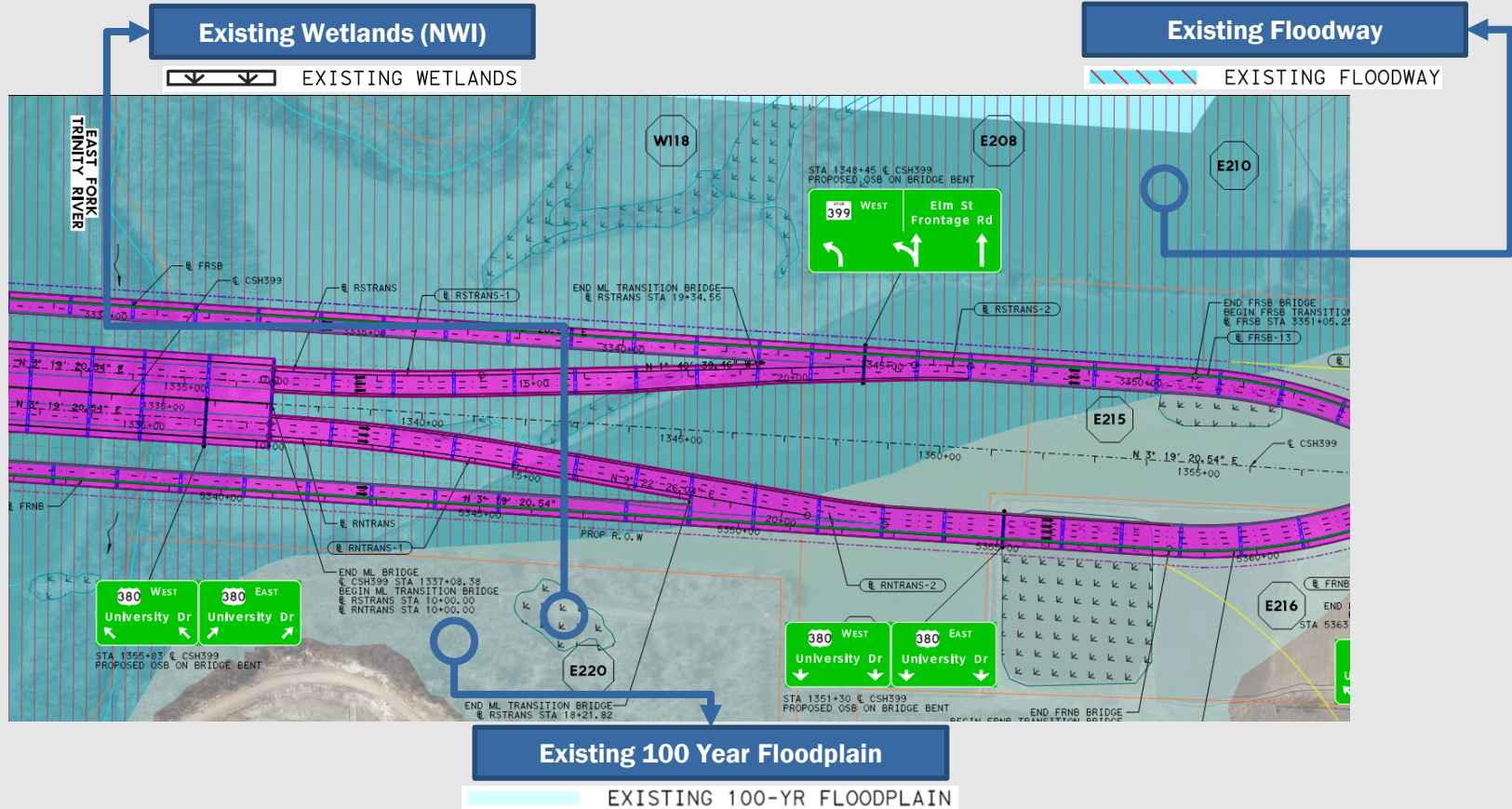
----- EXISTING ROW

Proposed Right-of-Way

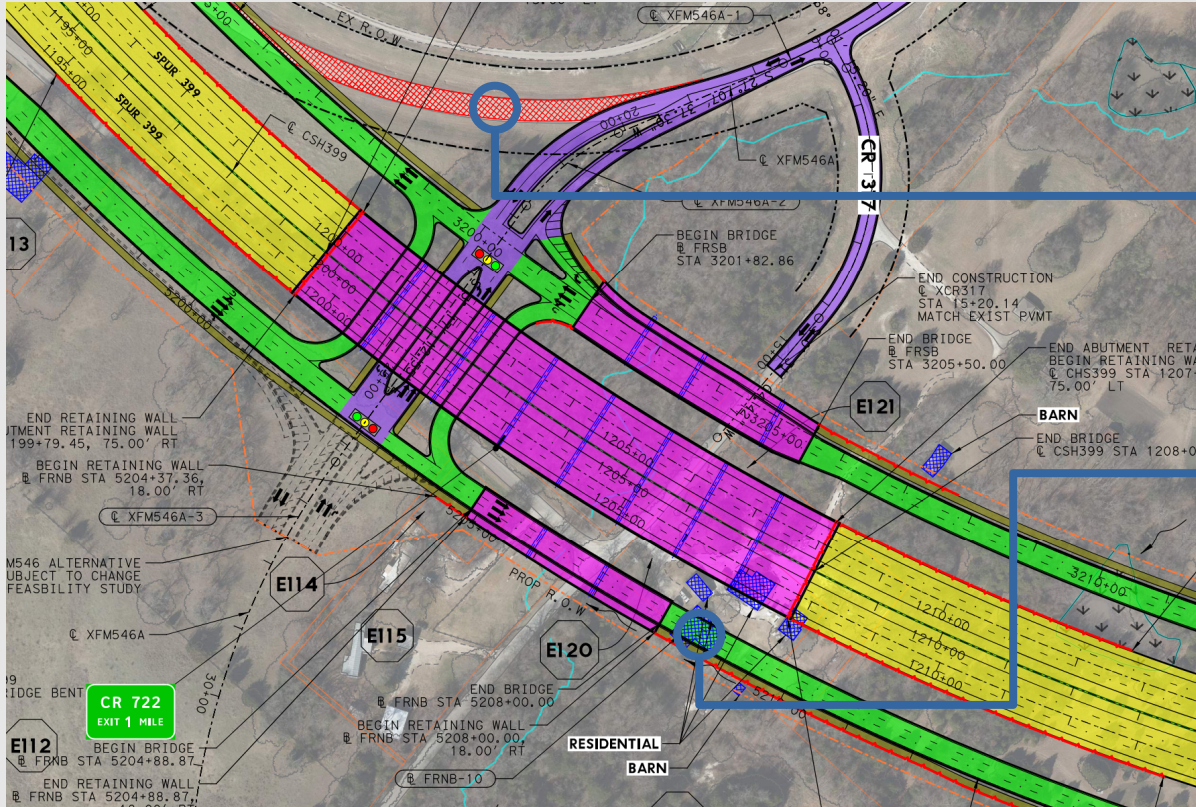
----- PROPOSED ROW

Existing Property Line

----- EXISTING PROPERTY LINES



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

 ROADWAY REMOVAL

Building Displacement
Occurs when right-of-way
physically impacts a structure

 BUILDING DISPLACEMENT

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PROPERTY OWNER DATA

ID	OWNER'S NAME	ADDRESS
E1	COLUMBIA MEDICAL CENTER OF MCKINNEY SUBSIDIARY LP	PO BOX 80610
E2	COLUMBIA MEDICAL CENTER OF MCKINNEY SUBSIDIARY LP &	PO BOX 80610
E3	COLUMBIA MEDICAL CENTER OF MCKINNEY SUBSIDIARY LP	PO BOX 80610
E4	COLUMBIA MEDICAL CENTER OF MCKINNEY SUBSIDIARY LP	PO BOX 80610
E5	COLUMBIA MEDICAL CENTER OF MCKINNEY SUBSIDIARY LP	PO BOX 80610
E6	7-ELEVEN INC	1722 ROUTH ST STE 1000
E7	MCKINNEY MED CENTER LP	5850 GRANITE PKWY STE 100
E8	MITCHELL KENNETH H	1005 SHADY RIVER CT N
E9	COMMERCE TX HOLDING LLC	2107 GRASSLAND DR
E10	STATE OF TEXAS	ENGINEERS MAINT OFC
E11	HIGH POINT MHC LLC	31550 NORTHWESTERN HWY STE 220
E12	SHMAISANI ISSAM AL	5608 NORMANDY DR
E13	SHMAISANI ISSAM AL	5608 NORMANDY DR
E14	TXI OPERATIONS LP	PO BOX 8040
E15	LHOIST NORTH AMERICA OF TEXAS LTD	5600 CLEARFORK MAIN ST STE 300
E16	MCKINNEY CITY OF	PO BOX 517
E17	MCKINNEY ECONOMIC DEVELOPMENT CORPORATION	5900 S LAKE FOREST DR STE 110
E18	MCKINNEY CITY OF	PO BOX 517
E19	MCKINNEY CITY OF	PO BOX 517
W1	MCKINNEY ECONOMIC DEVELOPMENT CORPORATION	5900 S LAKE FOREST DR STE 110
W2	UNKNOWN DATA	UNKNOWN DATA
W3	MCKINNEY CITY OF	PO BOX 517
W4	COLLIN COUNTY COMMUNITY COLLEGE DISTRICT	4800 PRESTON PARK BLVD
W5	MCKINNEY ECONOMIC DEVELOPMENT CORPORATION	5900 S LAKE FOREST DR STE 110
W6	CHURCH OF GOD A WORLDWIDE ASSOCIATION INC	PO BOX 3490
W7	EAST DALLAS BW LTD	192 PRIVATE ROAD 4293
W8	FAIRWAYS WILSON CREEK APARTMENTS LLC	5400 LYNDON B JOHNSON FWY STE 1060
W9	WILBOW-MERIDIAN LLC	LOCKBOX 13
W10	STRICKLAND KENNETH RAY- LE &	STRICKLAND KENNETH & DIANNA LIVING TRUST
W11	JEANES OSCAR L	1515 STEWARD RD
W12	MCKINNEY GREENS HOMEOWNERS ASSOCIATION INC	1512 CRESCENT DR STE 112
W13	DEAN WANDA J	1513 STEWARD RD
W14	DEAN WANDA J	1513 STEWARD RD
W15	MCKINNEY CITY OF	PO BOX 517

Property Owner Data
ID corresponds to location of property

