Texas Department of Transportation

DALLAS DISTRICT
CEASON CLEMENS P.E., DISTRICT ENGINEER

FM 740 AND FM 548 DESIGN SCHEMATIC

KAUFMAN COUNTY, TEXAS

FM 740 / FM 548

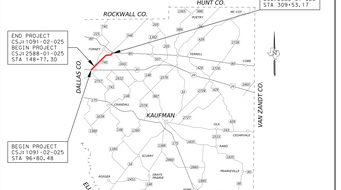
PROJECT LIMIT: FROM IH 20 TO FM 1641
CSJ: 1091-02-025 / 2588-01-025
PROJECT LENGTH: 4.03 MILES
WIDEN 2 LANE ROADWAY TO 4 LANE DIVIDED
TERRAIN: LEVEL

DATE: FEBRUARY, 2026

ROADWAY TYPE	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
URBAN STREET	45 MPH	URBAN ARTERIAL (FM 740, FM 548 & FM741)
URBAN STREET	35 MPH	URBAN COLLECTOR STREETS
LOCAL STREETS		ACCESS ROADS

INDEX OF SHEETS

ROLL 1 OF 5: PLAN FROM BEGIN PROJECT TO STA 148+00.00
ROLL 2 OF 5: PLAN FROM STA 148+00.00 TO STA 203+00.00
ROLL 3 OF 5: PLAN FROM STA 203+00.00 TO STA 258+00.00
ROLL 4 OF 5: PLAN FROM STA 258+00.00 TO END PROJECT
ROLL 5 OF 5: CROSS STREETS PROFILES



LOCATION MAP

N.T.S.
SCALE 1" = 1.00"

LEGEND

DIRECTION OF TRAFFIC
EXISTING ROW
PROPOSED ROW
PROPOSED SHARED USE PATH (SUP)
PROPOSED SHARED USE PATH ON BRIDGE
PROPOSED BRIDGE WIDENING
EXISTING BRIDGE TO REMAIN
PROPOSED BRIDGE
PROPOSED MEDIAN
PROPOSED CROSS STREET PAVEMENT
PROPOSED DRIVEWAY
DISPLACEMENT
EXISTING SIDEWALK TO BE REMOVED
100 YEAR FLOODPLAIN LIMITS
PROPOSED RETAINING WALL
EXISTING SIGNALIZED INTERSECTION

COMMUNICATIONS
CABLE - AT&T DIRECT
FIBER - AT&T COMM
FIBER - MCI COMM
FIBER - LEVEL3/CENTURYLINK
TELEPHONE - AT&T
TELEPHONE - SPECTRUM COMM
ELECTRIC - AT&T COMM
CMU - SUDDENLINK
CMU - SPECTRUM COMM

ELECTRIC
ELECTRIC - PRIVATE
ELECTRIC - ONCOR
ELECTRIC - TRINITY VALLEY
OH ELECTRIC - ONCOR
OH ELECTRIC - TRINITY VALLEY
OH FIBER - SUDDENLINK

GAS
GAS - ATMOS ENERGY
PIPELINE - ENERGY
PIPELINE - ENTERPRISE

WATER
WATER - CITY OF FORNEY
WATER - FORNEY PRIVATE
WATER - UNKNOWN

WASTEWATER
WASTEWATER - CITY OF FORNEY
WASTEWATER - UNKNOWN
WASTEWATER - PRIVATE

STORM SEWER
STORM DRAINAGE - CITY OF FORNEY
STORM DRAINAGE - TXDOT
STORM DRAINAGE - UNKNOWN

SUE QUALITY LEGEND
QUALITY LEVEL "A" - A
QUALITY LEVEL "B" - B
QUALITY LEVEL "C" - C
QUALITY LEVEL "D" - D

HORIZONTAL
VERTICAL
GRAPHIC SCALE IN FEET

PRELIMINARY
FOR INTERIM REVIEW ONLY

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND SHALL NOT BE USED FOR BIDDING, PERMITTING, OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

JOHN C. NICOLA, P.E. — 11-JUN-26

100% SCHEMATIC

Jacobs
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DALLAS, TX 75201-3136
Phone 214.638.0145
Firm Registration F-2966

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NOTES:

1. THE CONCEPTUAL SCHEMATICS ARE BASED ON FIELD SURVEY AND KING SURVEY DATED DECEMBER 19, 2023.
2. OWNERSHIP INFORMATION SHOWN ON THE SCHEMATICS IS BASED ON KAUFMAN COUNTY APPRAISAL DISTRICT (KCAD) DECEMBER 2025.
3. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS WERE BASED ON FEMA FLOOD INSURANCE RATE MAP (FIRM) PANEL 48257C0320J.
4. THE PROPOSED IMPROVEMENTS AS POTENTIAL DISPLACEMENTS IF THE PROPOSED ROW PHYSICALLY INTERSECT THE EXISTING BUILDING FOOTPRINT.
5. PROPOSED CURVES ARE TYPE 3 UNLESS STATED OTHERWISE.
6. ALL DRIVEWAYS RADIUS ARE 30' UNLESS NOTED OTHERWISE.
7. EXISTING LEFT TURN LOCATIONS ONLY.
8. ALL DRIVEWAYS WITHIN THE EXISTING DRIVEWAY ACCESS WILL REMAIN AND CONNECTING TO PROPOSED WIDENING AS SHOWN IN THE SCHEMATIC.
9. ALL DRIVEWAY RADIUS ARE 15' UNLESS NOTED OTHERWISE.

SHARED USE PATH CROSS-SLOPE TRANSITION TABLE (SB)

ALIGNMENT	BEGIN STA	BEGIN %	END STA	END %
FM 740	158+39.00	1.50%	158+50.00	-2.00%
FM 740	164+50.00	-2.00%	171+00.00	2.00%
FM 740	177+50.00	2.00%	183+50.00	-1.50%

SHARED USE PATH CROSS-SLOPE TRANSITION TABLE (NB)

ALIGNMENT	BEGIN STA	BEGIN %	END STA	END %
FM 740	111+50.00	2.00%	111+50.00	-2.00%
FM 740	121+39.00	-2.00%	121+50.00	1.50%
FM 740	152+50.00	-2.00%	152+50.00	1.50%
FM 740	164+50.00	-2.00%	164+50.00	2.00%
FM 740	171+00.00	2.00%	177+50.00	-2.00%
FM 740	183+50.00	-2.00%	183+50.00	1.50%

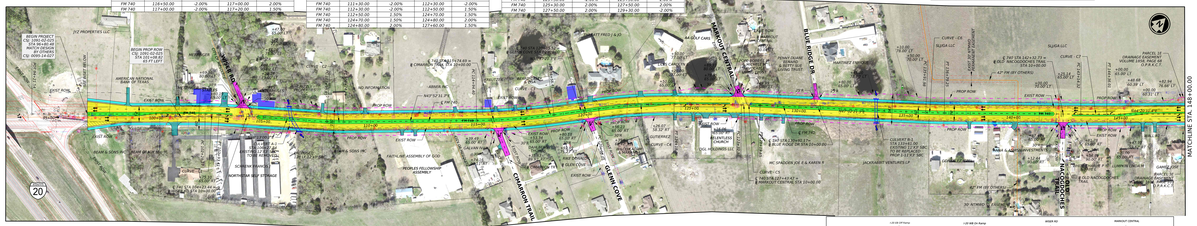
SUPERELEVATION TRANSITION AND CROSS-SLOPE TABLE (NB)

ALIGNMENT	STA	%
FM 740	107+50.00	-2.00%
FM 740	125+39.00	2.00%
FM 740	127+50.00	2.00%
FM 740	129+50.00	-2.00%

FINAL LOCATIONS OF MEDIAN OPENINGS WILL BE DETERMINED IN THE FUTURE DEVELOPMENTS PHASE IN COORDINATION WITH THE CITY OF FORNEY AND KAUFMAN COUNTY.

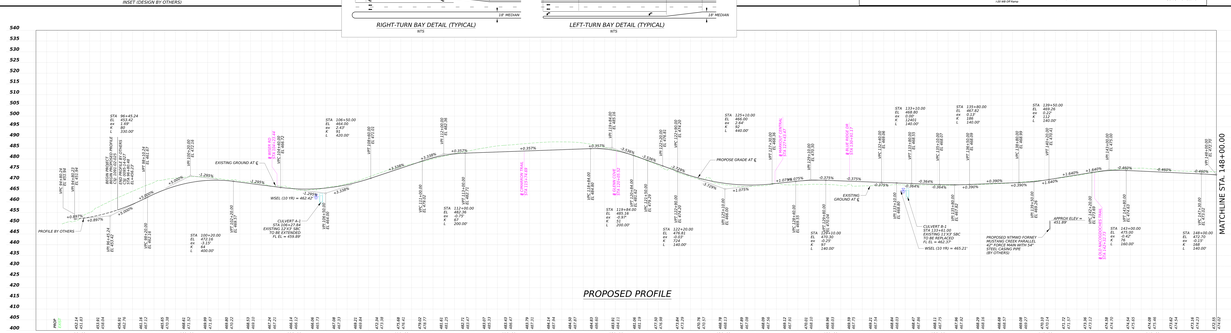
RETAINING WALL DATA

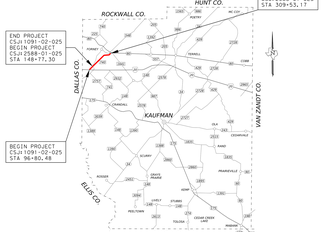
NAME	BEGIN STATION, OFFSET	END STATION, OFFSET	TOTAL LENGTH
WALL #1	STA 144+82.00, 52.50' RT	STA 147+40.00, 52.50' RT	78'



CURVE DATA

CURVE NO.	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION	BACK TANGENT	AHEAD TANGENT
C1	101+60.798	6944077.564	2584050.709	3.554° RT	1,040.000'	32.632'	65.243'	N 46.425° E	65.232'	101+28.166	102+93.409	N 44.423° E	N 48.217° E
C2	114+75.623	6943966.235	2583951.555	3.554° RT	1,040.000'	32.632'	65.243'	N 48.217° E	65.232'	102+93.409	104+58.652	N 48.217° E	N 52.011° E
C3	114+75.623	6943966.235	2583951.555	8.814° LT	1,040.000'	161.338'	320.459'	N 48.413° E	320.139'	112+75.623	115+96.082	N 43.819° E	N 56.958° E
C4	122+42.899	6944419.736	2583837.775	8.858° RT	2,500.000'	194.644'	352.702'	N 40.998° E	352.410'	120+48.033	124+18.757	N 36.858° E	N 45.539° E
C5	127+79.018	6944787.005	2586150.562	2.000° RT	2,500.000'	43.638'	87.260'	N 46.539° E	87.252'	127+22.380	128+19.647	N 47.539° E	N 45.539° E
C6	136+25.026	6947362.829	2588078.644	2.000° LT	2,500.000'	43.638'	87.260'	N 46.539° E	87.252'	135+81.983	136+79.249	N 47.539° E	N 45.539° E
C7	143+75.310	6947905.412	2587403.944	7.997° LT	25,000.000'	80.842'	161.889'	N 44.953° E	161.814'	142+14.521	144+36.398	N 41.039° E	N 44.947° E





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