90% SCHEMATIC

Texas Department of Transportation

DESIGN SCHEMATIC
FOR FM 740

KAUFMAN COUNTY, TEXAS

CSJ: 0918-45-XXX
PROJECT LIMIT - FROM US 80 IN FM 740 S
FROM PRYOR TO KAUFMAN COUNTY LIMIT
PROJECT LENGTH - 4.5 MILES (APPROX.)
PROJECT LOPOCTH - FM 4642 - 0.08 MILES & FM 740 - 2.25 MILES
WIDEN 2 LANE ROADWAY TO 4 LANE DIVIDED
DATE: MAY 2025

INDEX OF SHEETS

ROLL 1 OF 3 - TYPICAL SECTIONS FOR FM740 & FM740
ROLL 2 OF 3 - PROFILE GRADE LINE FOR FM740 (0+00 TO 27+00)
PROFILE GRADE FOR FM740 (27+00 TO 270+00) & FM740 (0+00 TO 27+00)
ROLL 3 OF 3 - PROFILE GRADE FOR FM740 (270+00 TO 400+00) & FM740 (27+00 TO 40+00)
ROLL 3 OF 3 - DRIVEWAY PROFILE GRADE FOR FM740 (270+00 TO 400+00)
ROLL 3 OF 3 - CROSS STREETS PROFILES
ROLL 3 OF 3 - DRIVEWAY PROFILES
AND TO HIGH CROSS STREETS (ROLL SECTION SHEETS)

TRAFFIC VOLUMES:

NAME OF THE ROAD	EXISTING (2024)	LONGRANGE (2045)	DESIGN (2055)
FM740	12,000	22,000	40,000

LEGEND
ROW
PROPOSED ROW
EXISTING ROW
PROPOSED CURB
EXISTING CURB
PROPOSED PAVEMENT
EXISTING PAVEMENT
PROPOSED SIDEWALK / CLP
PROPOSED CROSS STREET PAVEMENT
EXISTING CROSS STREET PAVEMENT
DRIVEWAYS
EOR YEAR FY(REGIUAR LIMITS
EOR YEAR FY
FLOODWAY
FLOODWAY BOUNDARY
2' BUFFER ADJACENT TO SURVEIN
NOTES:
1 THE CONCEPTUAL SCENERITS ARE BASED ON FIELD OBSERVATIONS AND AVAILABLE RECORDS.
2 EMERGENT INFORMATION MAYBEN ON THE SCENERITS AND MAY NOT BE ACCURATE OR COMPLETE.
3 DEPICT CAPITAL ASSETS AS EXTERNAL SURVEUNDERLE A THE PROPERTY ROW PHYSICALLY INTERSECTS THE EXISTING ROW OR PROPERTY.
4 PROPERTIES OWNEL ARE THEIR LARGER STATED OPERATOR ACCORDING TO THE CURRENT ROW RECORDS. THIS MAY BE DETERMINED DURING DETAILED DESIGN STAGE AND MAY CHANGE. THE ROW RECORDS ARE BASED ON THE DEEDING IS A WRITTEN DEED.
5 ROW RECORDS ARE BASED ON DEEDS AND MAPS ON FMR 401. ADJOYCEMAE OFFIS FOR ARKANTA CO. 2012 - 2014 AND ARE SUBJECT TO CHANGE BASED ON FIELD SURVEY AUTHORITY.
6 THE ROW RECORDS ARE BASED ON SURVEY CARTED WITH REFERCT TO THE TOPOGRAPHIC SURVEY. ALL PROPERTIES DISPLAYED ARE APPROXIMATE AND MAY NOT BE ACCURATE OR BE ON THE SURVEYED.
7 ALL DIMENSIONS REFERENCE FOR BRIDGE DETAILS.
8 ALL DRAINAGE PIPES ALONG FRITH ARE PIPES AND 12" UNLESS NOTED OTHERWISE.
9 ALL DRAINAGE PIPES ALONG FM740 ARE 18" UNLESS NOTED OTHERWISE.
10 PROPOSED UTILITIES ARE SHOWN FOR REFERENCE ONLY. THE CONTRACTOR SHALL NOTIFY THE UTILITY OWNERS FOR ACTUAL LOCATIONS.

VICINITY MAP
SCALE: NTS
EXCEPTIONAL WERR
EXCEPTIONAL OWNER (TYPE, CSJ, ORD #)
PHASE (PE, ER, UTL,CE,R, BR)
SOLICITATION NUMBER

CONGESTION MANAGEMENT PROCESS	FUNCTIONAL CLASS	TERRAIN	DESIGN SPEED	V_{MAX}
MAJOR ARTERIAL	URBAN STREET	LEVEL	45 MPH	4%
MAJOR ARTERIAL	URBAN STREET	LEVEL	45 MPH	4%
MAJOR ARTERIAL	URBAN STREET	LEVEL	45 MPH	4%
MAJOR ARTERIAL	URBAN STREET	LEVEL	45 MPH	4%
URBAN LOCAL ROADS	LOCAL STREETS	LEVEL	25 MPH	4%

ASSEMBLY TRACT STREET — LEGEND TRACT STREET

HORIZONTAL 1" = 0.25'
PROFILE VERTICAL 1" = 2.0'

DESIGN SCHEMATIC 90%
Recommend Acceptance and Advance
Project to Next Phase
Approved:
P.E. Name:
Date: 25/06/2025

NOT A BIDDING DOCUMENT

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LEGEND

ROW	RAIRO TOWN OF TRAFFIC
	EXISTING RIGHT OF WAY
	EXISTING CENTERLINE
	EXISTING CURB
	EXISTING ROW
	PROPOSED RIGHT OF WAY
	PROPOSED PAVEMENT
	EXISTING PAVEMENT
	PROPOSED SIDEWALK / CLP
	PROPOSED CROSS STREET PAVEMENT
	EXISTING CROSS STREET PAVEMENT
	DRIVEWAYS
	EOR YEAR FY(REGIUAR LIMITS
	EOR YEAR FY
	FLOODWAY
	FLOODWAY BOUNDARY
	2' BUFFER ADJACENT TO SURVEIN

UTILITY LEGEND

FIBER
FIBER — AT&T COMMUNICATIONS
FIBER — CENTURYLINK COMMUNICATIONS
FIBER — MCI
FIBER — SPRINT
FIBER — SUDDENLINK COMMUNICATIONS
FIBER — TEXAS NETWORK COMMUNICATIONS
FIBER — ZAYO
FIBER — ZAYO
FIBER — ZAYO
TELEPHONE — AT&T COMMUNICATIONS
TELEPHONE — CENTURYLINK COMMUNICATIONS
TELEPHONE — REDFIELD COMMUNICATIONS
TELEPHONE — AT&T COMMUNICATIONS
DISTRIBUTION — AT&T COMMUNICATIONS
DISTRIBUTION — AT&T COMMUNICATIONS
DISTRIBUTION — ZAYO

ELECTRIC
ELECTRIC — ONCOR ELECTRIC
ELECTRIC — ONCOR ELECTRIC
ELECTRIC — KAUFMAN COUNTY COOPERATIVE INC
ELECTRIC — KAUFMAN COUNTY COOPERATIVE INC
ELECTRIC (OVERHEAD CONDUCTOR) — VARIOUS OWNERS (NOT IDENTIFIED)
ELECTRIC (TRANSMISSION) — ONCOR TRANSMISSION

GAS
GAS — ATMOS
GAS — ATMOS
GAS — ENTERGY LP
GAS — ONEOK LP

PIPELINE
PIPELINE — ATMOS PIPELINE
PIPELINE — ONEOK PIERCIAN

WATER
WATER — DALLAS WATER UTILITIES
WATER — DALLAS WATER UTILITIES
WATER — FORNEY LAKE WSC
WATER — FORNEY LAKE WSC
WATER — FORNEY LAKE WSC
WATER — KAUFMAN COUNTY
WATER — LOCAL COUNTY
WATER — LOCAL COUNTY
WATER — UNKNOWN
WASTE WATER
WASTE WATER
WASTE WATER

- END OF UTILITY LINE
- UTILITY CONTINUITY

SUMMARY OF LAND ACQUISITION

AREA LIMITS	TOTAL AREA IN ACRES
OF THE FM740 BEGINNING OF THE PROJECT TO (STA 1,000+00 E)	19.78

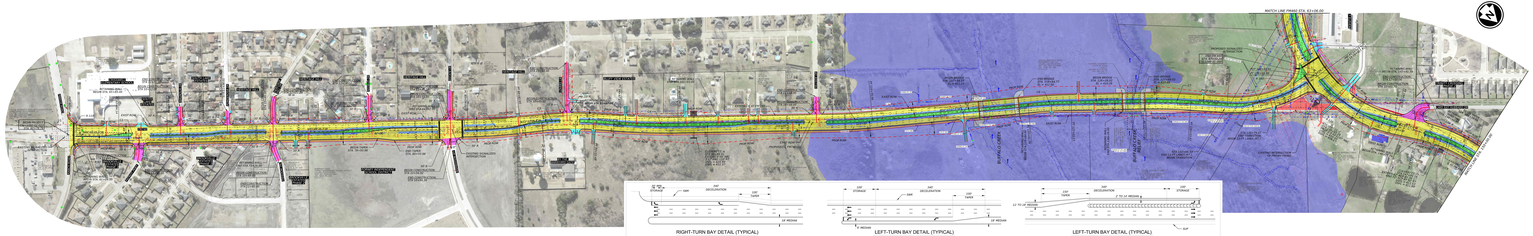
CURVE DATA

CURVE NUMBER	P.I. STATION	P.I. NORTHING	P.I. EASTING	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD DISTANCE	P.C. STATION	P.T. STATION	BACK TANGENT BEARING	AHEAD TANGENT BEARING	SUPER DIRECTION
C1	9+11.15	2088618.32	2596234.23	1°23'57" LT	2700'	131.37	262.50	N45°23'17"W	262.38	8+14.80	10+77.30	N44°40'19"W	N45°23'17"W	NC
C2	14+47.71	2087966.50	2596234.23	1°23'57" LT	2700'	131.37	262.50	N45°23'17"W	262.38	13+10.34	15+72.84	N45°23'17"W	N44°40'19"W	NC
C3	41+49.77	2075839.70	2596234.06	6°39'07" RGHT	2800'	165.40	330.91	N45°37'18"E	330.72	40+14.38	43+45.29	N42°08'14"E	N48°46'22"E	NC
C4	56+79.58	2070850.42	2595963.24	1°23'57" LEFT	2800'	102.12	204.76	N43°28'14"W	204.68	55+37.47	58+42.23	N45°28'18"W	N43°28'14"W	NC
C5	111+14.31	2047000.00	2595963.24	1°23'57" LEFT	2800'	102.12	204.76	N43°28'14"W	204.68	110+12.19	112+16.95	N45°28'18"W	N43°28'14"W	NC
C6	115+70.51	2045479.57	2595963.24	6.458° RGHT	2200'	126.79	248.22	N48°03'18"E	248.09	114+43.72	117+11.94	N45°03'18"E	N48°46'22"E	NC
C7	139+11.84	2037088.63	2595330.63	2.833° RGHT	3200'	236.96	378.82	N43°38'08"E	378.72	137+74.89	141+53.71	N41°49'04"E	N45°38'08"E	NC
C8	215+73.68	2017497.04	2593308.38	43.128° LFT	800'	252.34	300.58	N65°27'14"W	293.24	213+76.34	216+76.92	N44°16'06"W	N65°43'14"W	13.25%

SUPERELEVATION TABLE

	ROAD NAME	STATION	% SUPE
BEGIN CONSTRUCTION	FM740	8+14.80	2.00%
BEGIN TRANSITION	FM740	8+14.80	2.00%
END TRANSITION/FULL SUPER	FM740	10+77.30	2.00%
END OF SUMPT / BEGIN FULL SUPER	FM740	10+12.80	2.00% LFT
BEGIN OF SUMPT / END FULL SUPER	FM740	13+48.00	2.00% RT
END OF SUMPT / BEGIN TRANSIT SUMPUT	FM740	13+88.00	2.00% RT
END TRANSITION	FM740	14+88.00	2.00%
BEGIN TRANSITION	FM740	14+88.00	2.00%
END TRANSIT SUMPUT/BEGIN OF SUMPT	FM740	86+00.00	2.00% RT
END OF SUMPT / BEGIN TRANSIT SUMPUT	FM740	90+00.00	2.00% RT
BEGIN OF SUMPT / END FULL SUPER	FM740	91+00.00	2.00% RT
END OF SUMPT / BEGIN TRANSIT SUMPUT	FM740	93+80.00	2.00% RT
END TRANSITION/FULL SUPER	FM740	94+80.00	2.00% RT
BEGIN TRANSITION	FM740	221+30.00	2.00%
END TRANSIT SUMPUT/BEGIN OF SUMPT	FM740	225+30.00	2.00% RT
END OF SUMPT / BEGIN TRANSIT SUMPUT	FM740	229+30.00	2.00% RT
BEGIN OF SUMPT / END FULL SUPER	FM740	234+30.00	2.00% RT
END CONSTRUCTION	FM740	236+30.00	2.00% RT

SUPERELEVATION DIAGRAM


MATCH LINE FRANZ STA. 42+08.00
MATCHLINE BEGIN STA. 1,000+00
END OF PROJECT
BEGIN PROJECT
FM 740
FM 4642
FM 4642
FM 740
FM 740
FM 740