60% SCHEMATIC

Texas Department of Transportation

DISTRICT: DALLAS
COUNTY: KAUFMAN, ELLIS, NAVARRO

DESIGN SCHEMATIC FOR FM 740

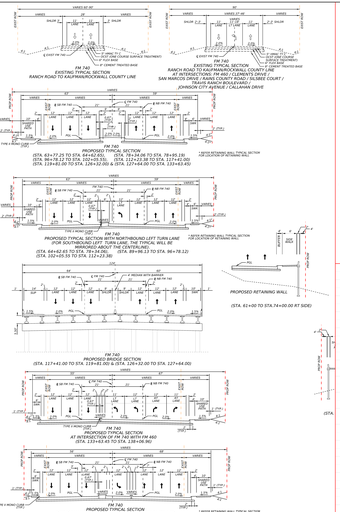
KAUFMAN COUNTY, TEXAS

PROJECT LIMIT: FM 740 FROM STA. 61+78.75 TO STA. 269+04.79
FM 460 FROM STA. 14+05.22 TO STA. 67+30.84
FM 1836 FROM STA. 10+00.00 TO STA. 13+00.00
PROJECT LENGTH: FM 740 - 2.04 MILES & FM 460 - 0.99 MILES
WIDEN 2 LANE ROADWAY TO 4 LANE DIVIDED
DATE: MAY 2024

INDEX OF SHEETS
ROLL 1 OF 4 - PRIMARY PLAN VIEW BEGIN PROJECT TO STA 69+18.42
ROLL 2 OF 4 - PRIMARY PLAN VIEW FROM STA 128+17.22 TO STA 199+04.99
ROLL 3 OF 4 - PRIMARY PLAN VIEW FROM STA 199+04.99 TO STA 269+04.79
ROLL 4 OF 4 - PRIMARY PLAN VIEW FROM STA 269+04.79 TO STA 298+17.21
ROLL 1 OF 4 - SIGNAL DIAGRAMS BEGIN PROJECT TO STA 128+17.22
ROLL 1 OF 4 - SIGNAL DIAGRAMS FROM STA 128+17.22 TO END OF PROJECT

TRAFFIC VOLUMES

NAME OF THE ROAD	EXISTING (2024)	ORIGINAL DESIGN (2044)	DESIGN (2044)
FM740	10,000	22,000	24,000



UTILITY LEGEND

FIBER
FIBER — AT&T COMMUNICATIONS
FIBER — MCI
FIBER — CENTURYLINK COMMUNICATIONS
FIBER — ZAYO
FIBER — ZAYO COMMUNICATIONS
TELEPHONE — AT&T COMMUNICATIONS
ELECTRONIC — AT&T COMMUNICATIONS

ELECTRIC
ELECTRIC — ONCOR ELECTRIC
ELECTRIC — UNKNOWN ELECTRIC COOPERATIVE INC
ELECTRIC — MISC ELECTRIC
ELECTRIC — NAVARRO COUNTY
ELECTRIC — ONCOR DISTRIBUTION
ELECTRIC — ONCOR TRANSMISSION

GAS
GAS — ATMOS
GAS — SEMPRA LP

PIPELINE
PIPELINE — ATMOS PIPELINE
PIPELINE — KINDER MORGAN

WATER
WATER — DALLAS WATER UTILITIES
WATER — CITY OF GARRANDO
WATER — CITY OF FERRIS
WATER — CITY OF ROCKWALL
WATER — CITY OF ELLIS
WASTE WATER — CITY OF ELLIS
WASTE WATER — UNKNOWN

→ END OF UTILITY LINE
→ UTILITY CONTINUITY

NOTES:

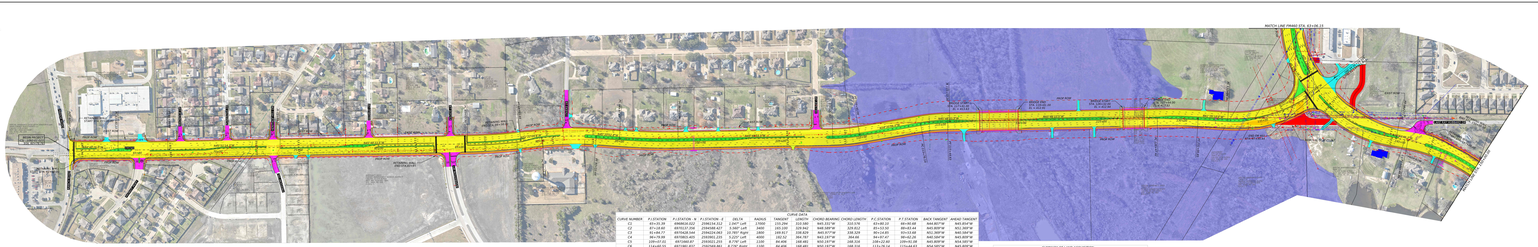
1. THE CONCEPTUAL SCHEMATICS ARE BASED ON FIELD SURVEY AND AERIAL SURVEY DATA(TEXAS DOT, ELLIS COUNTY, KAUFMAN COUNTY, NAVARRO COUNTY) AND ARE DEFINED FROM KAUFMAN COUNTY OFFICIAL GIS DATA AND AERIAL PHOTOS.
2. BUILDING AND GARAGE IN ACCEPTABLE SAFETY MARGIN IS NOT SHOWN ON THE PLAN VIEW DUE TO THE SCALE OF BUILDING STRUCTURE.
3. THE PROPOSED RETAINING WALL TYPE IS UNLESS OTHERWISE SPECIFIED. ALL EXISTING DRAINAGE DITCHES WILL BE REPAIRED AFTER CONSTRUCTION. THE DRAINAGE DITCHES WILL BE REPAIRED IN COORDINATION WITH THE LOCAL GOVERNMENT THAT THE DITCHES ARE LOCATED WITHIN.
4. THE PROPOSED RETAINING WALL TYPE IS UNLESS OTHERWISE SPECIFIED.
5. THE SIGNAL BRIDGES & SIGNALS SHAPES ARE NEARLY SCHEMATIC. THE ACTUAL DIMENSIONS WILL BE DETERMINED DURING THE DESIGN PHASE AND THE TO EXISTING DRAINAGE AS NEW CONDITIONS ARE ESTABLISHED.

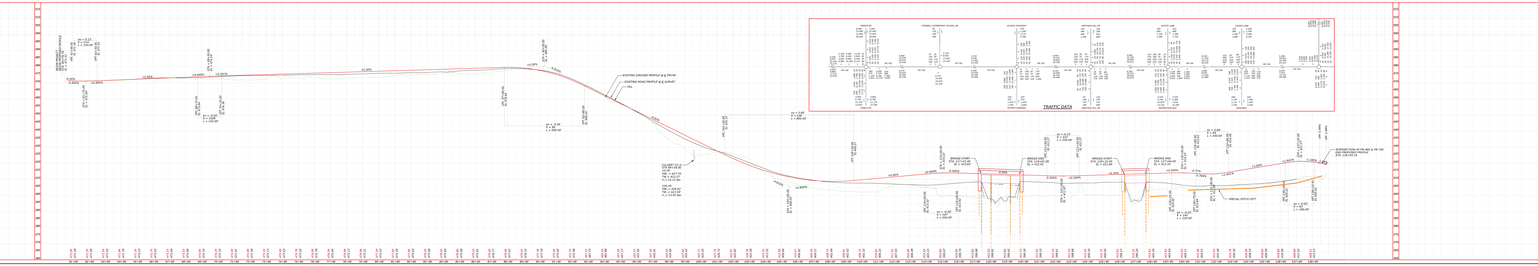
CURVE DATA

CURVE NUMBER	P.I. STATION	P.C. STATION	P.T. STATION	Δ	DELTA	RADIUS	TANGENT	CHORD	BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION	BACK TANGENT	AHEAD TANGENT
C1	61+15.28	60+00.00	62+77.25	2'56'57.25"	2.949° Left	1'59'00	115.24	115.20	N45.33°W	114.79	60+00.00	62+77.25	N45.00°W	N45.00°W
C2	81+18.65	80+52.57	84+42.00	5.580° Left	3.490	165.100	329.842	948.58°W	329.812	85+10.50	80+43.44	N45.00°W	N52.380°W	
C3	94+16.75	93+57.63	96+38.12	2'40'49.12"	2.683° Left	1'59'00	100.49	N52.380°W	100.47	96+38.12	93+37.63	N52.380°W	N45.00°W	
C4	99+19.58	98+60.40	102+26.33	3.225° Left	4.000	183.52	364.787	N43.19°W	364.68	102+26.33	98+60.40	N45.00°W	N43.400°W	
C5	108+07.01	107+08.87	110+82.21	6.758° Left	3.150	84.498	248.481	N50.24°W	248.318	108+52.60	106+91.89	N43.400°W	N54.380°W	
C6	114+21.38	112+22.38	117+41.00	5.184° Left	3.150	84.498	317.62	N54.380°W	317.39	117+41.00	112+22.38	N54.380°W	N45.00°W	
C7	124+44.23	123+44.23	126+32.00	2.931° Left	2.000	114.594	251.734	N63.13°W	251.707	126+32.00	123+44.23	N45.00°W	N76.913°W	
C8	4 124+44.34	123+44.23	126+32.00	41.95° Right	3.150	412.157	788.894	N11.53°W	771.908	4 124+42.39	4 121+75.08	N33.952°W	N77.218°E	

SUMMARY OF LAND ACQUISITION
AREA LIMITS
FM 740 FROM BEGINNING OF THE PROJECT TO STA 138+17.23

TOTAL AREA IN ACRES
24.046





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VICINITY MAP
SCALE: NTS
LEGEND :
EXISTING FM 740 TRAFFIC
PROPOSED FM 740 TRAFFIC
PROPOSED NEW ROADWAY
PROPOSED NEW RIGHT OF WAY EASEMENT
PROPOSED RETAINING WALL
FOR UP SLOPE
FOR DOWN SLOPE
EXISTING PROPERTY LINES
PROPOSED PROPERTY LINES
PROPOSED PAVEMENT
PROPOSED CURB
PROPOSED SIDEWALK / SUP
PROPOSED DRIVEWAY
PROPOSED ROAD
LIVE FEMALE PLUVIAN (LIMITS)
PROPOSED CROSS STREET PAVEMENT
EXISTING CONDITIONS
FREEWAY
TYPE
Tolerance
PRIMARY
SECONDARY
URBAN STREET
(STAR)
(0 - 100%)
2%
RURAL
(STAR)
(0 - 100%)
2%
URBAN STREET
(STAR)
(0 - 100%)
2%
RURAL
(STAR)
(0 - 100%)
2%
HORIZONTAL: 1" = 500'
VERTICAL: 1" = 100'
PRELIMINARY
THE PLANS SHOWN ARE FOR PRELIMINARY PURPOSES ONLY
Engineer: DATE & SEAL (1)
P.E. Serial No. DATE
Date: 05/17/2024
NOT A BIDDING DOCUMENT
AtkinsRéalis
12700 Park Central Drive, Suite 1100
Dallas, Texas 75251
(469) 542-3010
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