60% SCHEMATIC

Texas Department of Transportation

DALLAS DISTRICT
CESSON CLEMENS P.E., DISTRICT ENGINEER

DESIGN SCHEMATIC FOR FM 460

KAUFMAN COUNTY, TEXAS
FM740/FM460

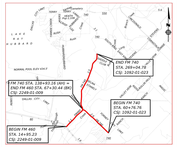
PROJECT LIMIT : FM 740 FROM STA. 60+76.70 TO STA. 269+04.78
FM 460 FROM STA. 14+95.23 TO STA. 67+30.44
CSJ : 1092-02-023 & 2249-01-009
PROJECT LENGTH : FM 740 - 3.94 MILES & FM 460 - 0.99 MILES
WIDEN 2 LANE ROADWAY TO 6 LANE DIVIDED
DATE : MAY 2024

INDEX OF SHEETS

ROLL 1 OF 4 : FM460 PLAN FROM STA 14+95.23 SUBJECT TO STA 66+58.61
FM740 PLAN FROM STA 138+57.23 TO STA 150+00.00
ROLL 2 OF 4 : FM740 PLAN FROM STA 150+00.00 TO END PROJECT
ROLL 3 OF 4 : FM740 PLAN FROM BEGIN PROJECT TO STA 138+57.23
ROLL 4 OF 4 : CROSS STREETS PROFILES
ASSO TO STA34 CROSS SECTION SHEETS

TRAFFIC VOLUMES:

NAME OF THE ROAD	EXISTING (2022 AADT)	OPENING (2035 AADT)	DESIGN (2055 AADT)
FM 460	12,500	21,700	39,200
FM 740	13,500	22,900	41,200



VICINITY MAP

SCALE: NTS
ROLL 1 OF 4

EXCEPTIONS: NONE
EQUATIONS: NONE
RAILROAD CROSSINGS: NONE

LEGEND :

INTERIM MEDIAN
PAVEMENT REMOVAL

LEGEND :

- DIRECTION OF TRAFFIC
- PROPOSED CENTERLINE
- EXISTING RO.W. LINE
- PROPOSED UTILITY EASEMENT
- ONCOR EASEMENT
- PROPOSED CURB
- TOE OF SLOPE
- PROPOSED DITCH
- EXISTING PROPERTY LINES
- EXISTING EASEMENT LINES
- PROPOSED PAVEMENT
- PROPOSED MEDIAN
- PROPOSED SIDEWALK / SUP
- PROPOSED DRIVEWAY
- DISPLACEMENT
- PROPOSED RO.W./EASEMENT LIMITS
- PROPOSED CROSS STREET PAVEMENT

ROADWAY CLASSIFICATION	ROADWAY TYPE	TERRAIN	DESIGN SPEED	Φ MAX
FM 460 MAJOR COLLECTOR	URBAN STREET	LEVEL	45 MPH	4%

0 30 60 120
HORIZONTAL SCALE IN FEET

0 5 10 20
VERTICAL SCALE IN FEET

HORIZONTAL : 1" = 100'
PROFILE VERTICAL : 1" = 10'

PRELIMINARY
Document is incomplete and not intended for permit, bidding or construction.
Engineer: DAVID W. JONES, P.E.
P.E. Serial No.: 123456
Date: 05/17/2024

NOT A BIDDING DOCUMENT

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TBPE FIRM NO. BF-0176

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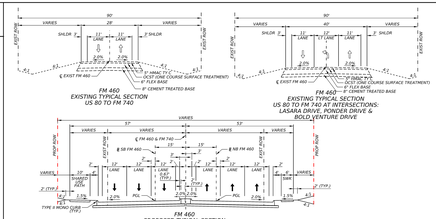
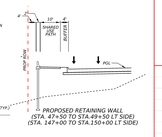




UTILITY LEGEND

FIBER

- FIBER — AT&T COMMUNICATIONS
- FIBER — AT&T
- FIBER — SUDDENLINK COMMUNICATIONS
- FIBER — ZAYO
- FIBER — PEOPLES COMMUNICATIONS
- TELEPHONE — AT&T COMMUNICATIONS
- OUCTBANK — AT&T COMMUNICATIONS

ELECTRIC

- ELECTRIC — ONCOR ELECTRIC
- ELECTRIC — FARMERS ELECTRIC COOPERATIVE INC
- UNKNOWN UTILITIES — VARIOUS-OWNERS (NOT IDENTIFIED)
- OVERHEAD ELECTRIC — ONCOR TRANSMISSION

GAS

- GAS — ATMOS
- GAS — SENERGY LP

PIPELINE

- PIPELINE — ATMOS PIPELINE
- PIPELINE — KINDER MORGAN

WATER

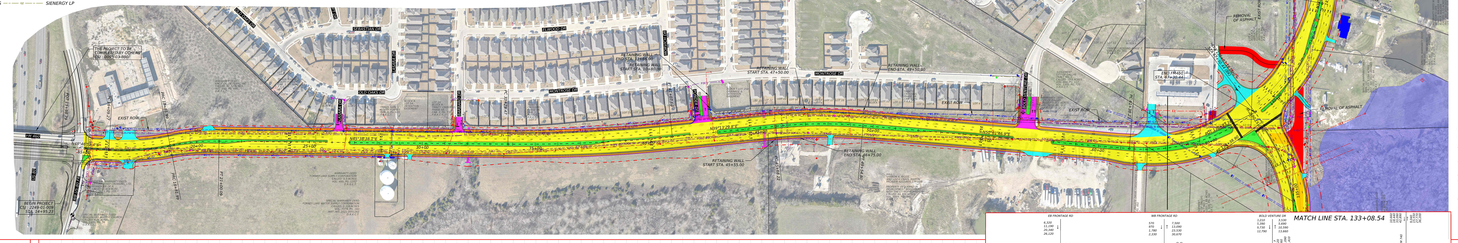
- WATER — DALLAS WATER UTILITIES
- WATER — CITY OF SUNNYVALE
- WATER — CITY OF FORNEY
- WATER — CITY OF HEATH
- WATER — FORNEY LAKE WSC
- WASTE WATER — CITY OF HEATH
- WASTE WATER — UNKNOWN

* END OF UTILITY LINE
~ UTILITY CONTINUITY

CURVE DATA

CURVE NUMBER	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	P.R.C.STATION	BACK TANGENT	AHEAD TANGENT
C1	17+46.41	6969029.817	2587380.592	15.036° LEFT	1039	137.150	272.724	N41.262°E	271.942	16+09.27	18+81.99	N48.781°E	N33.742°E	
C2	19+91.44	6970134.878	2587517.567	12.027° RIGHT	1039	109.491	218.097	N39.755°E	217.697		21+00.09	18+81.99	N33.742°E	N45.769°E
C3	37+43.96	6971360.479	2588771.379	6.419° LEFT	6500	364.487	728.211	N42.436°E	727.830	33+79.47	41+07.69		N45.644°E	N39.225°E
C4	47+42.08	6972149.778	2589415.688	10.805° RIGHT	2050	193.868	386.585	N44.622°E	386.013	45+48.22	49+34.80		N39.225°E	N50.030°E
C5	66+57.19	6973496.393	2593222.21	83.892° LEFT	800	718.962	1171.357	N8.08°E	1069.491	61+38.23	A 145+08.20		N50.030°E	N33.863°W
C8	A 149+94.546	6974697.250	2596350.610	41.081° Right	1100	412.157	788.694	N33.322°W	771.908	A 145+82.39	A 153+71.08		N33.863°W	N7.218°E

SUMMARY OF LAND ACQUISITION	
AREA LIMITS	TOTAL AREA IN ACRES
FM 460 FROM BEGINNING OF THE PROJECT TO STA 66+58.61 FM 740 FROM STA 138+57.23 TO STA 150+00.00	10.422


MATCH LINE STA. 150+00.00
MATCH LINE STA. 133+08.54
THE PROJECT TO BE CONTINUED BY OTHERS
EXIST ROW
PROP ROW
EXISTING POLE
STA. 151+21.87
RETAINING WALL
START STA. 47+50.00
RETAINING WALL
END STA. 49+50.00
RETAINING WALL
START STA. 49+55.00
RETAINING WALL
END STA. 49+75.00
RETAINING WALL
START STA. 45+55.00
RETAINING WALL
END STA. 46+75.00
RETAINING WALL
START STA. 147+00.00
RETAINING WALL
END STA. 147+50.00
RETAINING WALL
START STA. 145+00.00
RETAINING WALL
END STA. 145+50.00
EXIST ROW
PROP ROW
EXIST ROW
PROP ROW
EXIST ROW
PROP ROW