Texas Department of Transportation

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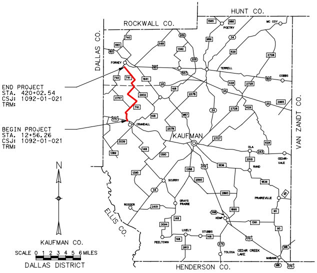
DALLAS DISTRICT
CONCEPTUAL SCHEMATIC

MOHAMED K. BUR, P.E., DISTRICT ENGINEER
KAUFMAN COUNTY
FM 741
PROJECT LIMIT: FROM US 175
TO FM 548
CSJ: 1092-01-021
FM 741 FUNCTIONAL CLASS: URBAN ARTERIAL
DESIGN SPEED: 45 MPH FM 741
30 MPH CROSS STREETS
PROJECT LENGTH: 7.717 MILES
WIDEN 2 LANE ROADWAY TO 4 LANE DIVIDED


HUNT CO.
ROCKWALL CO.
DALLAS CO.
VAN ZANDT CO.
ELLIS CO.
HENDERSON CO.
KAUFMAN CO.
END PROJECT
STA. 420+02.54
CSJ: 1092-01-021
TRM:
BEGIN PROJECT
STA. 12+56.26
CSJ: 1092-01-021
TRM:
FORNEY
CRANDALL
KAUFMAN
TERRELL
POETRY
MC COY
COBBS
OLA
CEDAR-VALE
RAND
PRAIRIEVILLE
SCURRY
GRAYS PRARIE
ROSSER
KEMP
STUBBS
LIVELY
PEELTOWN
TOLOSA
CEDAR CREEK LAKE
MABANK
N
SCALE 0 1 2 3 4 5 6 MILES
DALLAS DISTRICT

LOCATION MAP

30% SCHEMATIC

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND ARE NOT INTENDED FOR REGULATORY APPROVAL, PERMIT, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

ABENET BEKELE	86055	9/17/20
NAME	P.E. NO.	DATE

SEPTEMBER 2020
SCALE: 1"=100'
ROLL 7 OF 7

SHEET INDEX

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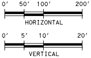
ROLL 6: PLAN AND PROFILE - NORTH OF LEONA STREET TO NORTH OF GOLDEN MEADOW LANE
ROLL 7: PLAN AND PROFILE - NORTH OF GOLDEN MEADOW LANE TO SOUTH OF FM 548

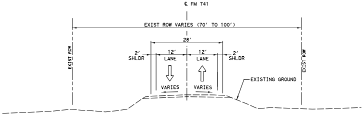

0'
50'
100'
200'
HORIZONTAL
0'
5'
10'
20'
VERTICAL

GRAPHIC SCALES IN FEET

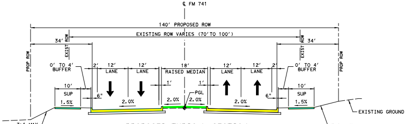
Lockwood, Andrews & Newnam, Inc.
A LEO A DALY COMPANY
TBPE FIRM REGISTRATION NO. 2614

LEGEND

→	DIRECTION OF TRAFFIC
— - - — - - —	EXISTING ROW
▨	EXISTING CROSS STREET PAVEMENT TO BE REMOVED
— - - — - - —	PROPOSED ROW
🟨	PROPOSED MAIN LANE PAVEMENT
🟥	PROPOSED BRIDGE
🟪	PROPOSED CROSS STREET PAVEMENT
🟦	PROPOSED SIDEWALK
🟩	PROPOSED MEDIAN
🟧	PROPOSED DRIVEWAY
🟦	DISPLACEMENTS
▨	100 YEAR FLOODPLAIN LIMITS
— - - — - - —	CITY LIMIT LINE

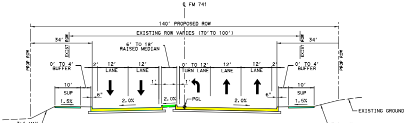

℄ FM 741
EXIST ROW VARIES (70' TO 100')
28'
2' SHLDR
12' LANE
12' LANE
2' SHLDR
VARIES
VARIES
EXIST ROW
EXIST ROW
EXISTING GROUND

EXISTING TYPICAL SECTION
BEGIN PROJECT TO END PROJECT


℄ FM 741
140' PROPOSED ROW
EXISTING ROW VARIES (70' TO 100')
34'
34'
PROP ROW
EXIST ROW
0' TO 4' BUFFER
2'
12' LANE
12' LANE
18' RAISED MEDIAN
12' LANE
12' LANE
2'
10' SUP
1.5%
6"
2.0%
1'
PGL
EXISTING GROUND
3:1 MAX
4:1 USUAL

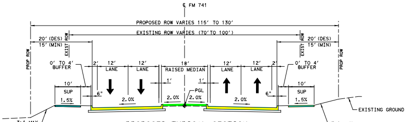
PROPOSED TYPICAL SECTION

STA 12+98.14 TO STA 13+84.00
STA 17+79.00 TO STA 53+52.00
STA 60+75.00 TO STA 106+48.00


℄ FM 741
140' PROPOSED ROW
EXISTING ROW VARIES (70' TO 100')
34'
34'
6' TO 18' RAISED MEDIAN
PROP ROW
EXIST ROW
0' TO 4' BUFFER
2'
12' LANE
12' LANE
0' TO 12' TURN LANE
12' LANE
12' LANE
2'
10' SUP
1.5%
6"
2.0%
1'
PGL
EXISTING GROUND
3:1 MAX
4:1 USUAL

PROPOSED TYPICAL SECTION
WITH NB LEFT TURN LANE

STA 13+84.00 TO STA 17+79.00
STA 53+52.00 TO STA 60+75.00
STA 106+48.00 TO STA 111+58.00

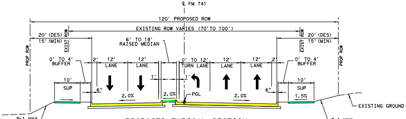

℄ FM 741
PROPOSED ROW VARIES 115' TO 130'
EXISTING ROW VARIES (70' TO 100')
20' (DES)
15' (MIN)
PROP ROW
EXIST ROW
0' TO 4' BUFFER
2'
12' LANE
12' LANE
18' RAISED MEDIAN
12' LANE
12' LANE
2'
10' SUP
1.5%
6"
2.0%
1'
PGL
EXISTING GROUND
3:1 MAX
4:1 USUAL

PROPOSED TYPICAL SECTION

STA 111+58.00 TO STA 154+11.00
STA 159+06.00 TO STA 172+50.00
STA 175+00.00 TO STA 189+88.12
STA 194+83.12 TO STA 198+30.00
STA 200+80.00 TO STA 218+80.21
STA 228+70.21 TO STA 240+69.21
STA 246+14.21 TO STA 251+86.21

STA 258+21.21 TO STA 258+40.21
STA 267+71.21 TO STA 285+44.71
STA 290+39.37 TO STA 296+15.20
STA 301+50.93 TO STA 304+61.81

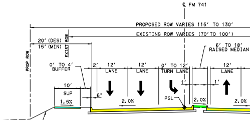
STA 317+25.26 TO STA 318+64.26
STA 323+61.92 TO STA 341+93.63
STA 347+11.51 TO STA 363+43.03
STA 368+88.04 TO STA 389+05.04
STA 394+00.04 TO STA 398+75.04
STA 403+80.04 TO STA 406+79.04
STA 411+74.04 TO STA 420+01.54


℄ FM 741
120' PROPOSED ROW
EXISTING ROW VARIES (70' TO 100')
20' (DES)
15' (MIN)
6' TO 18' RAISED MEDIAN
PROP ROW
EXIST ROW
0' TO 4' BUFFER
2'
12' LANE
12' LANE
0' TO 12' TURN LANE
12' LANE
12' LANE
2'
10' SUP
1.5%
6"
2.0%
1'
PGL
EXISTING GROUND
3:1 MAX
4:1 USUAL

PROPOSED TYPICAL SECTION
WITH NB LEFT TURN LANE

STA 13+84.00 TO STA 17+79.00
STA 55+80.00 TO STA 60+75.00
STA 106+48.00 TO STA 111+58.00
STA 154+11.00 TO STA 159+06.00
STA 218+80.21 TO STA 223+75.03

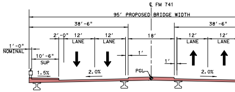
STA 240+69.21 TO STA 246+14.21
STA 254+54.06 TO STA 258+21.21
STA 258+40.21 TO STA 262+91.41
STA 318+64.26 TO STA 323+61.92
STA 363+43.04 TO STA 368+88.04


℄ FM 741
PROPOSED ROW VARIES 115' TO 130'
EXISTING ROW VARIES (70' TO 100')
20' (DES)
15' (MIN)
6' TO 18' RAISED MEDIAN
PROP ROW
EXIST ROW
0' TO 4' BUFFER
2'
12' LANE
12' LANE
0' TO 12' TURN LANE
12' LANE
10' SUP
1.5%
6"
2.0%
1'
PGL
3:1 MAX
4:1 USUAL

PROPOSED TYPICAL SECTION
WITH SB LEFT TURN LANE

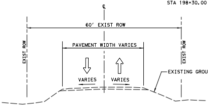
STA 189+88.12 TO STA 194+83.12
STA 223+75.03 TO STA 228+70.21
STA 251+86.21 TO STA 255+53.71
STA 262+91.41 TO STA 267+71.21
STA 285+44.71 TO STA 290+39.37

STA 296+15.20 TO
STA 341+93.63 TO
STA 389+05.04 TO
STA 398+75.04 TO
STA 406+79.04 TO


℄ FM 741
95' PROPOSED BRIDGE WIDTH
38'-6"
38'-6"
1'-0" NOMINAL
2'-0"
12' LANE
12' LANE
18'
12' LANE
12' LANE
10'-6" SUP
1.5%
2.0%
1'
PGL

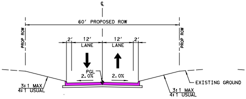
PROPOSED BRIDGE SECTION

STA 172+50.00 TO STA 175+00.00
STA 198+30.00 TO STA 200+80.00


℄
60' EXIST ROW
PAVEMENT WIDTH VARIES
VARIES
VARIES
EXIST ROW
EXIST ROW
EXISTING GROUND

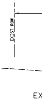
EXISTING TYPICAL SECTION
SIDE STREETS

VENNER CIR
BLACKLAND RD
COUNTY WOODS RD
HIGH COUNTRY LN
DOZIER CIR
PREECINCT RD
LEWIS CIR
WINDY LN


℄
60' PROPOSED ROW
PROP ROW
PROP ROW
2'
12' LANE
12' LANE
2'
PGL
2.0%
2.0%
EXISTING GROUND
3:1 MAX
4:1 USUAL

PROPOSED TYPICAL SECTION
SIDE STREETS

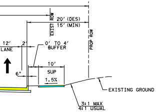
BLACKLAND RD
COUNTY WOODS RD


EXIST ROW
EX

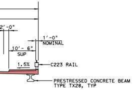
EXIST ROW
3:1 MAX
4:1 USUAL
PROP

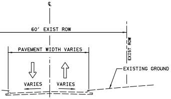
NOTES:

1. THE DESIGN SCHEMATICS WERE BASED ON FIELD SURVEY AND AERIAL SURVEY DATED APRIL 13, 2020.
2. OWNERSHIP INFORMATION SHOWN ON THE SCHEMATICS WERE OBTAINED FROM KAUFMAN COUNTY APPRAISAL DISTRICT (JUNE, 2020).
3. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS WERE BASED ON FEMA FLOOD INSURANCE RATE MAP.
4. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENTS IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
5. PROPOSED CURBS ARE TYPE II UNLESS STATED OTHERWISE.
6. EXISTING SKEWED INTERSECTIONS WERE REALIGNED TO IMPROVE SAFETY AT INTERSECTIONS.
7. ADA RAMPS AND SIDEWALKS ARE DIAGRAMMATIC ONLY AND WILL BE DESIGNED DURING PS&E. SIDEWALKS ARE SHOWN ON THE TYPICAL SECTIONS AND PLAN VIEW.
8. TRAFFIC PROJECTIONS ARE CURRENTLY IN PROGRESS. TRAFFIC STICK-DIAGRAMS WILL BE PROVIDED IN THE 60% SCHEMATIC.
9. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
10. FINAL LOCATIONS OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE CITY OF FORNEY AND KAUFMAN COUNTY.


EXIST ROW
20' (DES)
15' (MIN)
PROP ROW
12'
LANE
2'
0' TO 4'
BUFFER
6"
10'
SUP
1.5%
EXISTING GROUND
3:1 MAX
4:1 USUAL

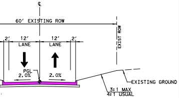
STA 301+50.93
STA 347+11.51
STA 394+00.04
STA 403+79.04
STA 411.74.04


2'-0"
1'-0"
NOMINAL
10'- 6"
SUP
1.5%
C223 RAIL
PRESTRESSED CONCRETE BEAM
TYPE TX28, TYP


℄
60' EXIST ROW
PAVEMENT WIDTH VARIES
EXIST ROW
EXISTING GROUND
VARIES
VARIES

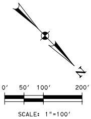
ISTING TYPICAL SECTION
SIDE STREETS

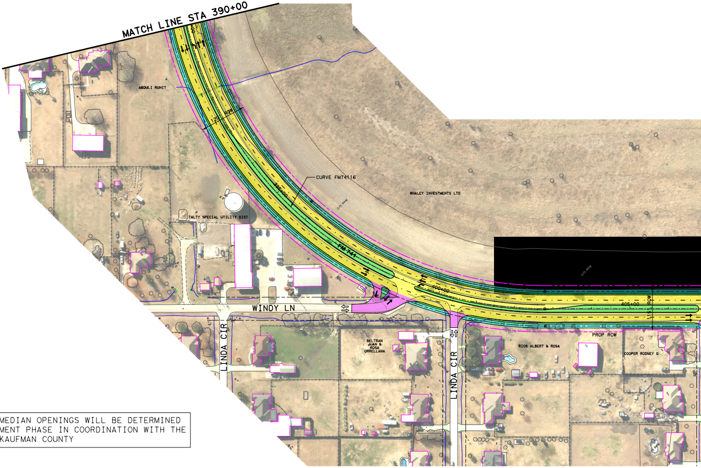
MOONLIGHT TRAIL


℄
60' EXISTING ROW
EXIST ROW
2'
12'
LANE
12'
LANE
2'
PGL
2.0%
2.0%
EXISTING GROUND
3:1 MAX
4:1 USUAL

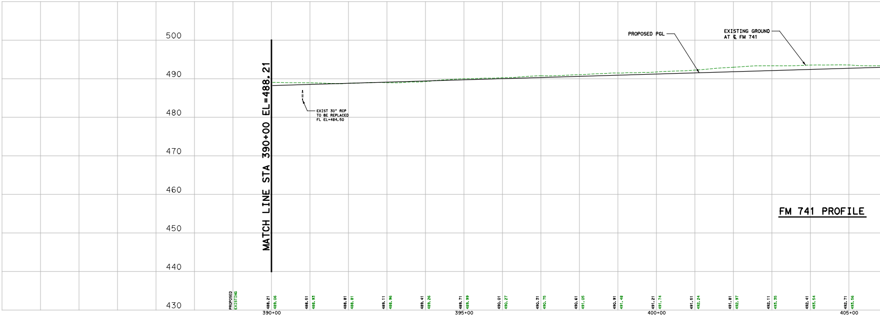
OSED TYPICAL SECTION
SIDE STREETS

VENNER CIR
HIGH COUNTRY LN
DOZIER CIR
PRECINET RD
LEWIS CIR
WINDY LANE
MOONLIGHT TRAIL


N
0'
50'
100'
200'
SCALE: 1"=100'


MATCH LINE STA 390+00
ABDULI RUHIT
120' ROW
CURVE FM74116
395+00
WHALEY INVESTMENTS LTD
TALTY SPECIAL UTILITY DIST
FM-741
O/H PWR
400+00
405+00
WINDY LN
LINDA CIR
LINDA CIR
PROP ROW
BELTRAN JUAN & ROSA ORRELLANA
RIOS ALBERT & ROSA
COOPER RODNEY G

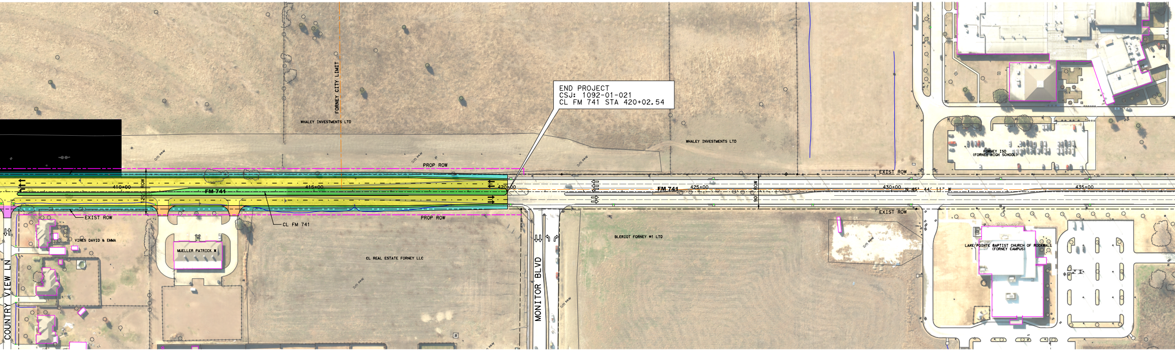
FINAL LOCATIONS OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE CITY OF FORNEY AND KAUFMAN COUNTY

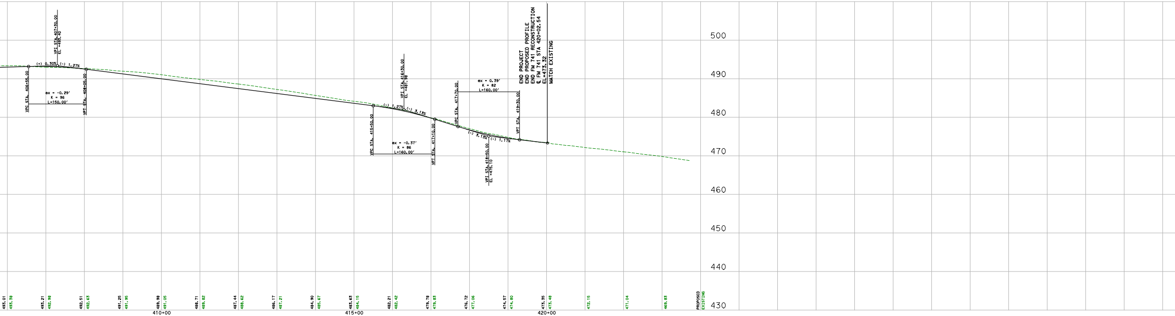


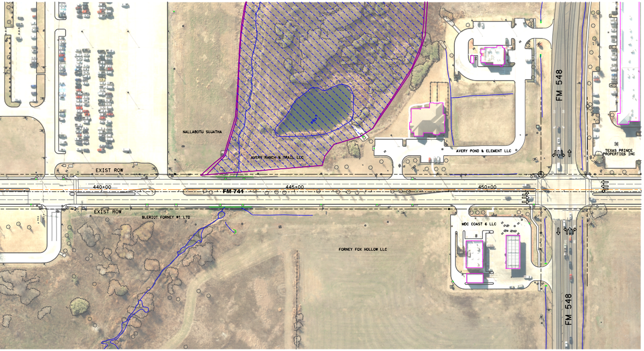
FM 741 PROFILE

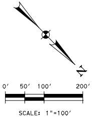
CL FM 741 ALIGNMENT DATA

CURVE NO.	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION	BACK TANGENT	AHEAD TANGENT
FM74116	397+34.03	6,951,142.24	2,600,574.13	89° 04' 00.00" (LT)	954.93'	5° 59' 59.99"	939.50'	1,484.45'	N 1° 12' 10.63" W	1,339.43'	387+94.53	402+78.97	N 43° 19' 49.37" E	N 45° 44' 10.63" W


END PROJECT
CSJ: 1092-01-021
CL FM 741 STA 420+02.54
FORNEY CITY LIMIT
WHALEY INVESTMENTS LTD
WHALEY INVESTMENTS LTD
PROP ROW
PROP ROW
EXIST ROW
EXIST ROW
EXIST ROW
FM 741
FM 741
410+00
415+00
420+00
425+00
430+00
435+00
N 45° 44' 11" W
120' ROW
90' ROW
CL FM 741
VINES DAVID & EMMA
MUELLER PATRICK W
CL REAL ESTATE FORNEY LLC
BLERIOT FORNEY #1 LTD
FORNEY ISD
(FORNEY HIGH SCHOOL)
LAKE POINTE BAPTIST CHURCH OF ROCKWALL
(FORNEY CAMPUS)
COUNTRY VIEW LN
MONITOR BLVD




NALLABOTU SUJATHA
AVERY RANCH & TRAIL LLC
AVERY POND & ELEMENT LLC
TEXAS PRINCE PROPERTIES INC
FM 548
EXIST ROW
440+00
FM 741
445+00
450+00
EXIST ROW
BLERIOT FORNEY #1 LTD
MDC COAST 6 LLC
FORNEY FOX HOLLOW LLC
FM 548


N
0'
50'
100'
200'
SCALE: 1"=100'

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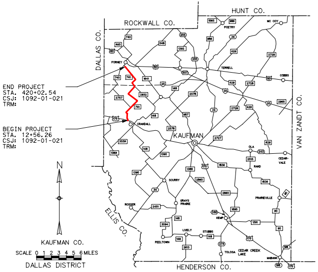
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ROSSER
GRAYS PRAIRIE
KEMP
MABANK
PRAIRIEVILLE
OLA
RAND
CEDAR-VALE
COBBS
POETRY
MC COY
LIVELY
STUBBS
PEELTOWN
TOLOSA
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KAUFMAN CO.
SCALE 0 1 2 3 4 5 6 MILES
DALLAS DISTRICT

LOCATION MAP

30% SCHEMATIC

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ABENET BEKELE	86055	9/17/20
NAME	P.E. NO.	DATE

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HORIZONTAL
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