Texas Department of Transportation

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DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

FM 1387
DESIGN SCHEMATIC

ELLIS COUNTY, TEXAS

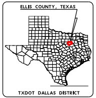
FROM NORTH MIDLOTHIAN PARKWAY TO FM 664
CSJ: 1394-02-027
LENGTH: 5.2 MILES

DATED: JULY 2022

ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
FM 1387	40 MPH	PRINCIPAL ARTERIAL
INTERSECTING STREETS	30 MPH	LOCAL

INDEX OF SHEETS

ROLL 1 OF 10: PLAN & PROFILE VIEW STA. 19+00 TO STA. 95+00
ROLL 2 OF 10: PLAN & PROFILE VIEW STA. 95+00 TO STA. 164+00
ROLL 3 OF 10: PLAN & PROFILE VIEW STA. 164+00 TO STA. 228+00
ROLL 4 OF 10: PLAN & PROFILE VIEW STA. 228+00 TO STA. 297+92 (NORTH ALTERNATIVE)
ROLL 5 OF 10: PLAN & PROFILE VIEW STA. 229+00 TO STA. 286+00 (SOUTH ALTERNATIVE)
ROLL 6 OF 10: PLAN & PROFILE VIEW STA. 286+00 TO STA. 322+08 (SOUTH ALTERNATIVE)
■ROLL 7 OF 10: SUPPLEMENTAL SIDE STREET PROFILES
■ROLL 8 OF 10: SUPPLEMENTAL SIDE STREET PROFILES
■ROLL 9 OF 10: SUPPLEMENTAL SIDE STREET PROFILES (NORTH ALTERNATIVE)
■ROLL 10 OF 10: SUPPLEMENTAL SIDE STREET PROFILES (SOUTH ALTERNATIVE)
■NOT INCLUDED

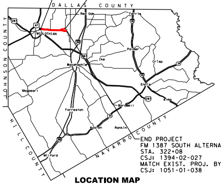

ELLIS COUNTY, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

ROLL 3 OF 10

BEGIN PROJECT
CSJ: 1394-02-027
FM 1387
STA. 19+00

END PROJECT
FM 1387 NORTH ALTERNATIVE
STA. 297+92
CSJ: 1394-02-027
MATCH EXIST. PROJ. BY OTHERS
CSJ: 1051-01-038


DALLAS COUNTY
JOHNSON COUNTY
HILL COUNTY
NAVARRO COUNTY
Red Oak
Ferris
MIDLOTHIAN
Palmer
Waxahachie
Ike
Crisp
Ennis
Alma
Maypearl
Forreston
Bardwell
Avalon
Rankin
Milford

END PROJECT
FM 1387 SOUTH ALTERNATIVE
STA. 322+08
CSJ: 1394-02-027
MATCH EXIST. PROJ. BY OTHERS
CSJ: 1051-01-038

LOCATION MAP

N.T.S.

LEGEND

—·—·—	EXISTING RIGHT OF WAY LINE	▬	PROPOSED CONCRETE PAVEMENT
—·—·—	PROPOSED RIGHT OF WAY LINE	▬	PROPOSED SIDEWALK
—·—·—	CENTERLINE	▬	PROPOSED DRIVEWAY
——	PARCEL LINE	▬	ADJACENT PROJECT - BY OTHERS
— — —	CITY/COUNTY BOUNDARY LINE	▭	PROPOSED ROW ACQUISITION
- - -	EXISTING DRAINAGE	←	PROPOSED LANES
—◄—	PROPOSED DITCH BOTTOM	(#)	PARCEL IDENTIFYING NUMBER
▥	PROPOSED DRAINAGE STRUCTURE	▨	EXISTING PAVEMENT REMOVAL
——	PROPOSED RETAINING WALL	▨	DISPLACEMENT
◄∿	DIRECTION OF FLOW	▬	CURB WALL
▨	EXISTING 100-YEAR FLOODPLAIN	▬	METAL BEAM GUARD FENCE (MBGF)

SCALE: 1"=100' H, 1"=10' V

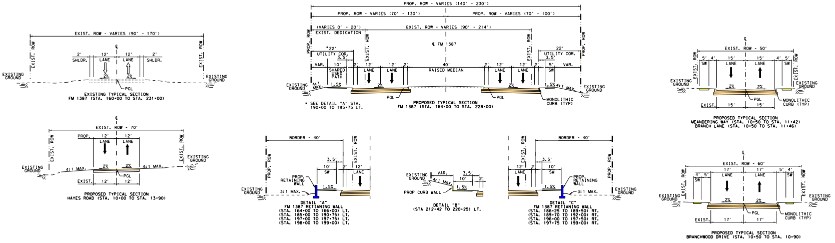
PRELIMINARY
FOR INTERIM REVIEW ONLY

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

NAME	P.E. NO.	DATE
RANDY L GROS, PE	134559	07/29/2022

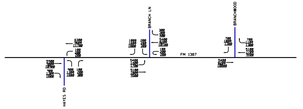
GARVER
3010 GAYLORD PARKWAY
SUITE 190
FRISCO, TX 75034

FIRM REGISTRATION NO. 5713


EXIST. ROW - VARIES (90' - 170')
EXIST. ROW
℄
2' SHLDR.
12' LANE
12' LANE
2' SHLDR.
2%
EXISTING GROUND
PGL
EXISTING TYPICAL SECTION
FM 1387 (STA. 160+00 TO STA. 231+00)
EXIST. ROW - 70'
PROP.
EXIST.
4:1 MAX.
PROPOSED TYPICAL SECTION
HAYES ROAD (STA. 10+00 TO STA. 13+90)
PROP. ROW - VARIES (140' - 230')
PROP. ROW - VARIES (70' - 130')
PROP. ROW - VARIES (70' - 100')
(VARIES 0' - 20')
EXIST. DEDICATION
EXIST. ROW - VARIES (90' - 214')
℄ FM 1387
PROP. ROW
*22'
22'
UTILITY COR.
3.5'
VAR.
10' SHARED USED PATH
40' RAISED MEDIAN
5' SW
1.5%
MONOLITHIC CURB (TYP)
* SEE DETAIL "A" STA. 190+00 TO 195+75 LT.
PROPOSED TYPICAL SECTION
FM 1387 (STA. 164+00 TO STA. 228+00)
EXIST. ROW - 50'
5' 4' 15' 15' 4' 5'
SW
PROPOSED TYPICAL SECTION
MEANDERING WAY (STA. 10+50 TO STA. 11+42)
BRANCH LANE (STA. 10+50 TO STA. 11+46)
BORDER - 40'
PROP. RETAINING WALL
3:1 MAX.
DETAIL "A"
FM 1387 RETAINING WALL
(STA. 164+00 TO 166+00) LT.
(STA. 185+00 TO 190+75) LT.
(STA. 197+00 TO 197+75) LT.
(STA. 198+00 TO 199+00) LT.
PROP CURB WALL
DETAIL "B"
(STA 212+42 TO 220+25) LT.
DETAIL "C"
FM 1387 RETAINING WALL
(STA. 186+25 TO 189+50) RT.
(STA. 189+70 TO 192+00) RT.
(STA. 196+00 TO 197+50) RT.
(STA. 197+75 TO 199+00) RT.
EXIST. ROW - 60'
17' LANE
PROPOSED TYPICAL SECTION
BRANCHWOOD DRIVE (STA. 10+50 TO STA. 10+90)

TYPICAL SECTIONS [N.T.S.]

LEGEND
OPENING YEAR (2025)
DESIGN YEAR (2045)
PAVEMENT YEAR (2055)

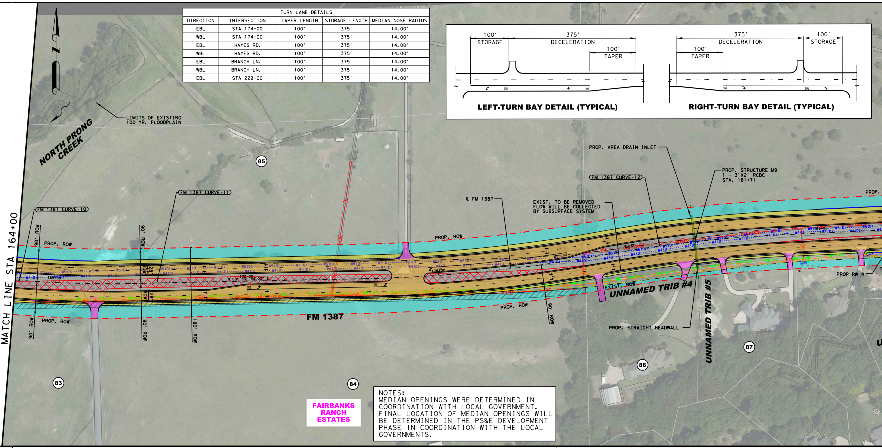

HAYES RD
BRANCH LN
BRANCHWOOD DR.
FM 1387

NOTE:
SOURCE OF DATA: TXDOT, TRANSPORTATION
PROGRAMMING AND PLANNING DIVISION
MEMORANDUM, NOVEMBER 16, 2017.

TRAFFIC LINE DIAGRAM [N.T.S.]

PARCEL NO.	TAX ID	OWNER'S NAME	OWNER'S ADDRESS	CITY	STATE	ZIP	SITUS ADDRESS	ACRES	LEGAL DESCRIPTION
83	228230	FAIRBANKS CHARLES L JR	PO BOX 1047	DESOTO	TX	75123-1047	5010 FM 1387 MIDLOTHIAN, TX 76065	25.7309	LOT 1 BLK 1 FAIRBANKS RANCH ESTATES 25.7309 AC
84	221822	FAIRBANKS CHARLES L JR	PO BOX 1047	DESOTO	TX	75123-1047	5010 FM 1387 MIDLOTHIAN, TX 76065	29.88	LOT 2 BLK 1 FAIRBANKS RANCH ESTATES 29.88 AC
85	189227	WEAVER PHILIP F & SUSANNE	5221 FM 1387	MIDLOTHIAN	TX	76065-5228	5221 FM 1387 MIDLOTHIAN, TX 76065	16.46	838 J POWERS 16.46 ACRES
86	206271	LOGAN WENDELL M & ELEANOR M	5430 FM 1387	MIDLOTHIAN	TX	76065	5430 FM 1387 MIDLOTHIAN, TX 76065	3.107	LOT 1 BLK 1 TWIN CREEKS #1 3.107 AC
87	206272	BOWMAN RICK & STEPHANIE	5640 FM 1387	MIDLOTHIAN	TX	76065-5296	5460 FM 1387 MIDLOTHIAN, TX 76065	2.032	LOT 2 BLK 1 TWIN CREEKS #1 2.032 AC
88	206273	KRIETMEYER GORDON & JERI	5630 FM 1387	MIDLOTHIAN	TX	76065-5296	5630 FM 1387 MIDLOTHIAN, TX 76065	1.924	3 1 TWIN CREEKS #1 1.924 ACRES
89	208042	GARCIA LORA & ANTONIO F	5651 BROOKSIDE CT	MIDLOTHIAN	TX	76065	5651 BROOKSIDE CT MIDLOTHIAN, TX 76065	1.758	LOT 10 BLK 2 TWIN CREEKS #2 1.758 AC
90	206274	MORRIS ROGER G & DIANE	5810 HAYES RD	MIDLOTHIAN	TX	76065-5232	5810 HAYES RD MIDLOTHIAN, TX 76065	0.82	1 2 TWIN CREEKS #1 0.82 ACRES
91	189533	WEAVER PHILIP F & SUSANNE	5221 FM 1387	MIDLOTHIAN	TX	76065-5228	5221 FM 1387 MIDLOTHIAN, TX 76065	14.5	877 J T POWERS 14.5 ACRES
92	227475	WEAVER PHILIP F & SUSANNE	5221 FM 1387	MIDLOTHIAN	TX	76065-5228	FM 1387 MIDLOTHIAN, TX 76065	4.054	791 E C NEWTON 4.054 ACRES
93	152876	VIEN LADD	1015 FERRIS AVE	WAXAHACHIE	TX	75165-2588	5821 HAYES RD MIDLOTHIAN, TX 76065	3.69	LOT 42 MULBERRY HILL-REV 3.69 AC
94	222321	SIMPSON KELLY S	5811 HACKBERRY CT	MIDLOTHIAN	TX	76065-6905	5811 HACKBERRY CT MIDLOTHIAN, TX 76065	2.488	LOT 12 BLK 7 LONGBRANCH #6
95	152875	HATFIELDD WILLIAM J & CHRISTY L	5860 FM 1387	MIDLOTHIAN	TX	76065	5860 FM 1387 MIDLOTHIAN, TX 76065	2	LOT 4E MULBERRY HILL-REV 2.0 AC
96	152877	RUPERT DONALD R & GLENDA G	5880 FM 1387	MIDLOTHIAN	TX	76065	5880 FM 1387 MIDLOTHIAN, TX 76065	4.78	LOT 5 MULBERRY HILL-REV LOCKED GATE 4.78 AC
97	152878	CAPELL WILLIAM J	6020 FM 1387	MIDLOTHIAN	TX	76065-5207	6020 FM 1387 MIDLOTHIAN, TX 76065	4.78	6 MULBERRY HILL PH1 4.78 ACRES
98	222320	COPELAND ROGER & DAELYNN	5810 HACKBERRY CT	MIDLOTHIAN	TX	76065-6905	5810 HACKBERRY CT MIDLOTHIAN, TX 76065	1.533	LOT 11 BLK 7 LONGBRANCH #6 1.533 AC
99	218651	BODLE HEATHER L	505 MEANDERING WAY	MIDLOTHIAN	TX	76065-6919	505 MEANDERING WAY MIDLOTHIAN, TX 76065	0.3474	LOT 2 BLK 7 LONGBRANCH #2
100	218650	GANDY DONNA	501 MEANDERING WAY	MIDLOTHIAN	TX	76065-6919	501 MEANDERING WAY MIDLOTHIAN, TX 76065	0.2125	LOT 1 BLK 7 LONGBRANCH #2 0.2125 AC
101	218572	SHAVIT TOMER	502 WILD SPRINGS DR	MIDLOTHIAN	TX	76065	502 WILD SPRINGS DR MIDLOTHIAN, TX 76065	0.232	LOT 23 BLK 4 LONGBRANCH #2 0.232 AC
102	218581	PETTY MCKENZIE L	506 WILD SPRINGS DR	MIDLOTHIAN	TX	76065	506 WILD SPRINGS DR MIDLOTHIAN, TX 76065	0.207	LOT 22 BLK 4 LONGBRANCH #2 0.207 AC
103	152879	ONE CHURCH WORLDWIDE	P O BOX 1108	MIDLOTHIAN	TX	76065	6060 FM 1387 MIDLOTHIAN, TX 76065	4.72	LOT 7 MULBERRY HILL-REV 4.72 AC
104	218580	GARCIA JESSE M JR	510 WILD SPRINGS DR	MIDLOTHIAN	TX	76065	510 WILD SPRINGS DR MIDLOTHIAN, TX 76065	0.358	LOT 21 BLK 4 LONGBRANCH #2 .358 AC
105	209659	SHAW PROPERTIES LLC	2031 E FM 875	MIDLOTHIAN	TX	76065	501 BRANCH LN MIDLOTHIAN, TX 76065	0.227	LOT 11 BLK 4 LONG BRANCH #1 .227 AC
106	218698	CHELONE SIERRA J & VINCENT A	502 VALARIE LN	MIDLOTHIAN	TX	76065	502 VALARIE LN MIDLOTHIAN, TX 76065	0.2	LOT 31 BLK 1 LONGBRANCH #4 .2 AC
107	218697	RANSBOTTOM CHRISTOPHER E & LAUREN T	506 VALARIE LN	MIDLOTHIAN	TX	76065	506 VALARIE LN MIDLOTHIAN, TX 76065	0.175	LOT 30 BLK 1 LONGBRANCH #4 0.175 AC
108	218696	R MCGWIER REVOCABLE TRUST - RHONDA J MCGWIER TRUSTEE	510 VALARIE LN	MIDLOTHIAN	TX	76065-6914	510 VALARIE LN MIDLOTHIAN, TX 76065	0.1824	LOT 29 BLK 1 LONGBRANCH #4
109	218695	MEDLOCK BLAKE T & LINDSEY D	514 VALARIE LN	MIDLOTHIAN	TX	76065	514 VALARIE LN MIDLOTHIAN, TX 76065	0.18	LOT 28 BLK 1 LONGBRANCH #4 0.18 AC
110	152869	TART ERVIN RAY & SANDRA	6210 FM 1387	MIDLOTHIAN	TX	76065-5208	6210 FM 1387 MIDLOTHIAN, TX 76065	8.99	LOT 8 & 9 MULBERRY HILL-REV 8.99 AC
111	218694	YEADO ALEXANDRA R	518 VALARIE LN	MIDLOTHIAN	TX	76065	518 VALARIE LN MIDLOTHIAN, TX 76065	0.18	LOT 27 BLK 1 LONGBRANCH #4
112	218703	BIERHALTER PHILLIP W & CHRISTIE	522 VALARIE LN	MIDLOTHIAN	TX	76065-6914	522 VALARIE LN MIDLOTHIAN, TX 76065	0.3592	LOT 26 BLK 1 LONGBRANCH #4 0.3592 AC
113	218702	BOOKOUT STEPHEN L	526 VALARIE LN	MIDLOTHIAN	TX	76065-6914	526 VALARIE LN MIDLOTHIAN, TX 76065	0.3544	LOT 25 BLK 1 LONGBRANCH #4 0.3544 AC
114	152871	HEARN CLYDE K & MOLLYE	6260 FM 1387	MIDLOTHIAN	TX	76065-5208	6260 FM 1387 MIDLOTHIAN, TX 76065	10.605	LOT 10 & 23 & PT 24 MULBERRY HILL PH I & PH II 10.605 ACRES
115	223534	TERRAZAS DANIEL & CHERYL	6231 FM 1387	MIDLOTHIAN	TX	76065	6231 FM 1387 MIDLOTHIAN, TX 76065	1.028	LOT 1 BLK 1 LONGBRANCH #8 1.028 AC
116	223535	WALKER DOUGLAS A & BRENDA L	6241 FM 1387	MIDLOTHIAN	TX	76065-5225	6241 FM 1387 MIDLOTHIAN, TX 76065	0.561	LOT 2 BLK 1 LONGBRANCH #8 0.561 AC
117	152872	SODDERS STEPHEN N & CHERYL L	6290 FM 1387	MIDLOTHIAN	TX	76065-5208	6290 FM 1387 MIDLOTHIAN, TX 76065	4.37	11 MULBERRY HILL PH I 4.37 ACRES
118	238918	LEE LENG L & BEE MOUA	6441 FM 1387	MIDLOTHIAN	TX	76065	6441 FM 1387 MIDLOTHIAN, TX 76065	2.462	LOT 1 DUSTIN MANOR 2.462 AC
119	238919	DUSTIN MANOR HOMEOWNER'S ASSOCIATION INC	2404 TEXAS DR STE 103	IRVING	TX	75062	CLIFTON CT MIDLOTHIAN, TX 76065	0.063	LOT 2R (HOA) DUSTIN MANOR-REV 0.063 AC
120	152873	DE WEERD ARNOLD & WANDA M	6440 FM 1387	MIDLOTHIAN	TX	76065-5209	6440 FM 1387 MIDLOTHIAN, TX 76065	4.33	12 MULBERRY HILL PH I4.33 ACRES
121	152864	HORTON RAYMOND & JANICE Y	803 SIMON DR	CEDAR HILL	TX	75104-7201	FM 1387 MIDLOTHIAN, TX 76065	4.29	13 MULBERRY HILL PH I4.29 ACRES
122	225928	SALADINO CONNIE	501 BRANCHWOOD DR	MIDLOTHIAN	TX	76065-6966	501 BRANCHWOOD DR MIDLOTHIAN, TX 76065	0.232	LOT 1 BLK 2 MEADOWS AT LONGBRANCH PH 1 0.232 AC
123	225883	DUHON ROBERT P	4403 BUENA VISTA ST APT	DALLAS	TX	75205	502 BRANCHWOOD DR MIDLOTHIAN, TX 76065	0.231	LOT 1 BLK 1 MEADOWS AT LONGBRANCH PH 1 0.231 AC
124	202345	MIDLOTHIAN ISD	925 S 9TH ST	MIDLOTHIAN	TX	76065-3636	6631 FM 1387 MIDLOTHIAN, TX 76065	16.422	252 R M CRAIG 16.422 ACRES
125	152865	COOK JAMES R	6610 FM 1387	MIDLOTHIAN	TX	76065-5210	6610 FM 1387 MIDLOTHIAN, TX 76065	4.26	14 MULBERRY HILL PH I4.26 ACRES

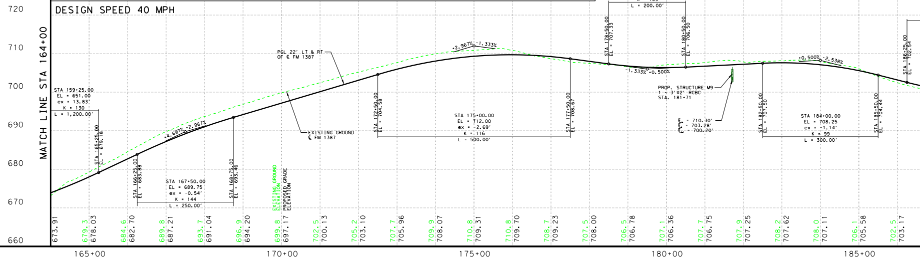
PARCEL OWNER INFORMATION TABLE


LIMITS OF EXISTING
100 YR. FLOODPLAIN
NORTH PRONG CREEK
85
FM 1387 CURVE-10
FM 1387 CURVE-11
FM 1387 CURVE-12
℄ FM 1387
EXIST. TO BE REMOVED
FLOW WILL BE COLLECTED
BY SUBSURFACE SYSTEM
PROP. AREA DRAIN INLET
PROP. STRUCTURE M9
1 - 3'X2' RCBC
STA. 181+71
PROP. ROW
90' ROW
180' ROW
EXIST. ROW
UNNAMED TRIB #4
UNNAMED TRIB #5
PROP. STRAIGHT HEADWALL
PROP RW 4
FM 1387
83
84
86
87
FAIRBANKS
RANCH
ESTATES
MATCH LINE STA 164+00
100'
STORAGE
375'
DECELERATION
100'
TAPER
LEFT-TURN BAY DETAIL (TYPICAL)
375'
DECELERATION
100'
STORAGE
100'
TAPER
RIGHT-TURN BAY DETAIL (TYPICAL)

TURN LANE DETAILS				
DIRECTION	INTERSECTION	TAPER LENGTH	STORAGE LENGTH	MEDIAN NOSE RADIUS
EBL	STA 174+00	100'	375'	14.00'
WBL	STA 174+00	100'	375'	14.00'
EBL	HAYES RD.	100'	375'	14.00'
WBL	HAYES RD.	100'	375'	14.00'
EBL	BRANCH LN.	100'	375'	14.00'
WBL	BRANCH LN.	100'	375'	14.00'
EBL	STA 229+00	100'	375'	14.00'

NOTES:
MEDIAN OPENINGS WERE DETERMINED IN COORDINATION WITH LOCAL GOVERNMENT. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.

NOTES:
1. EXISTING ROW FOR FM 1387 IS APPARENT ROW PROVIDED BY TXDOT, NOT PER DEED RESEARCH.
2. EXISTING PARCEL LINES ARE APPROXIMATE. GIS PARCEL LINE INFORMATION WAS FOUND TO BE INACCURATE ALONG THE CORRIDOR. PARCELS WERE EDITED TO REFLECT EXISTING FEATURES SHOWN ON AERIAL IMAGERY AND AERIAL SURVEY.
3. AERIAL FLIGHT DATE - JUNE 2017. EXISTING TOPOGRAPHICAL INFORMATION AS PROVIDED BY TXDOT, FEB 2018.
4. TRAFFIC PROJECTIONS PENDING TRANSPORTATION PLANNING & PROGRAMMING (TPP) APPROVAL.
5. EXISTING CREEK CENTERLINE SOURCE: FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), WASHINGTON, D.C.,PUBLISHED: 2017-09-27, NATIONAL FLOOD HAZARD LAYER (NFHL). THE NFHL DATA INCORPORATES ALL FLOOD INSURANCE RATE MAP (FIRM) DATABASES PUBLISHED BY THE FEMA, AND ANY LETTERS OF MAP REVISION (LOMRS) THAT HAVE BEEN ISSUED AGAINST THOSE DATABASES SINCE THEIR PUBLICATION DATE. IT IS UPDATED ON A MONTHLY BASIS. THE FIRM DATABASE IS THE DIGITAL, GEOSPATIAL VERSION OF THE FLOOD HAZARD INFORMATION SHOWN ON THE PUBLISHED PAPER FIRMS. DUE TO NEW HIGH RESOLUTION TOPOGRAPHY THE STREAM CL WAS MODIFIED AS NEEDED.
6. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE CITY OF MIDLOTHIAN.
7. DESIGN IS SUBJECT TO CHANGE WITHOUT NOTICE.

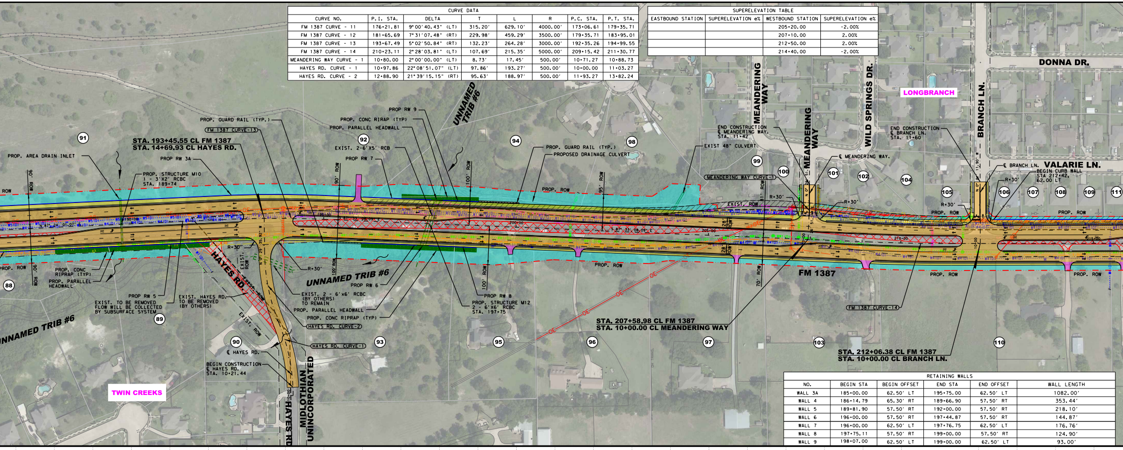


CURVE NO.	P.I. STA.	DELTA	T	L	R	P.C. STA.	P.T. STA.
FM 1387 CURVE - 11	176+21.81	9°00′40.43" (LT)	315.20′	629.10′	4000.00′	173+06.61	179+35.71
FM 1387 CURVE - 12	181+65.69	7°31′07.48" (RT)	229.98′	459.29′	3500.00′	179+35.71	183+95.01
FM 1387 CURVE - 13	193+67.49	5°02′50.84" (RT)	132.23′	264.28′	3000.00′	192+35.26	194+99.55
FM 1387 CURVE - 14	210+23.11	2°28′03.81" (LT)	107.69′	215.35′	5000.00′	209+15.42	211+30.77
MEANDERING WAY CURVE - 1	10+80.00	2°00′00.00" (LT)	8.73′	17.45′	500.00′	10+71.27	10+88.73
HAYES RD. CURVE - 1	10+97.86	22°08′51.07" (LT)	97.86′	193.27′	500.00′	10+00.00	11+03.27
HAYES RD. CURVE - 2	12+88.90	21°39′15.15" (RT)	95.63′	188.97′	500.00′	11+93.27	13+82.24

CURVE DATA

EASTBOUND STATION	SUPERELEVATION e%	WESTBOUND STATION	SUPERELEVATION e%
		205+20.00	-2.00%
		207+10.00	2.00%
		212+50.00	2.00%
		214+40.00	-2.00%

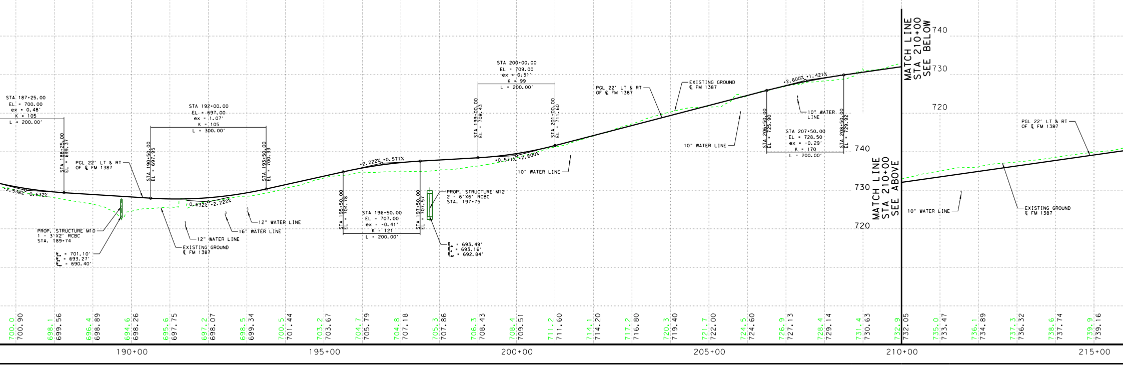
SUPERELEVATION TABLE



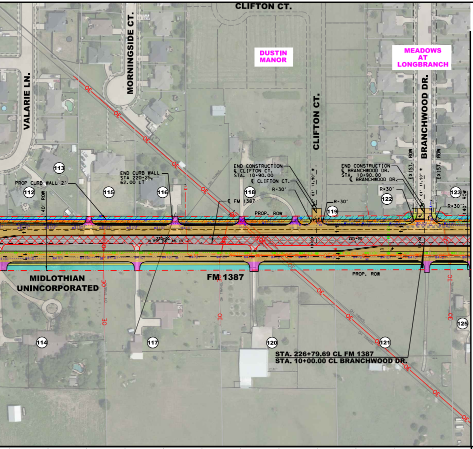
STA. 193+45.55 CL FM 1387
STA. 14+69.93 CL HAYES RD.
PROP. GUARD RAIL (TYP.)
FM 1387 CURVE-13
PROP RW 9
PROP. CONC RIRAP (TYP)
PROP. PARALLEL HEADWALL
EXIST. 2-6′X5′ RCB
PROP RW 7
PROP RW 3A
PROP. AREA DRAIN INLET
PROP. STRUCTURE M10
1 - 3′X2′ RCBC
STA. 189+74
UNNAMED TRIB #6
91
92
94
98
99
PROP. GUARD RAIL (TYP.)
PROPOSED DRAINAGE CULVERT
EXIST 48" CULVERT
END CONSTRUCTION
℄ MEANDERING WAY.
STA. 11+42
MEANDERING WAY
WILD SPRINGS DR.
LONGBRANCH
DONNA DR.
END CONSTRUCTION
℄ BRANCH LN.
STA. 11+60
BRANCH LN.
℄ MEANDERING WAY.
℄ BRANCH LN.
VALARIE LN.
BEGIN CURB WALL
STA 212+42,
62.00 LT
MEANDERING WAY CURVE-1
R=30′
EXIST. ROW
PROP. ROW
90′ ROW
100′ ROW
95′ ROW
81′ ROW
70′ ROW
28′ ROW
100
101
102
104
105
106
107
108
109
111
PROP. CONC RIPRAP (TYP)
PROP. PARALLEL HEADWALL
88
PROP RW 5
EXIST. TO BE REMOVED
FLOW WILL BE COLLECTED
BY SUBSURFACE SYSTEM
EXIST. HAYES RD.
TO BE REMOVED
(BY OTHERS)
89
HAYES RD.
EXIST. ROW
R=30′
UNNAMED TRIB #6
PROP RW 6
EXIST. 2 - 6′x6′ RCBC
(BY OTHERS)
TO REMAIN
PROP. PARALLEL HEADWALL
PROP. CONC RIPRAP (TYP)
HAYES RD. CURVE-2
HAYES RD. CURVE-1
℄ HAYES RD.
BEGIN CONSTRUCTION
℄ HAYES RD.
STA. 10+21.44
90
93
TWIN CREEKS
MIDLOTHIAN
UNINCORPORATED
PROP RW 8
PROP. STRUCTURE M12
2 - 6′X6′ RCBC
STA. 197+75
95
96
97
FM 1387
STA. 207+58.98 CL FM 1387
STA. 10+00.00 CL MEANDERING WAY
FM 1387 CURVE-14
103
110
STA. 212+06.38 CL FM 1387
STA. 10+00.00 CL BRANCH LN.

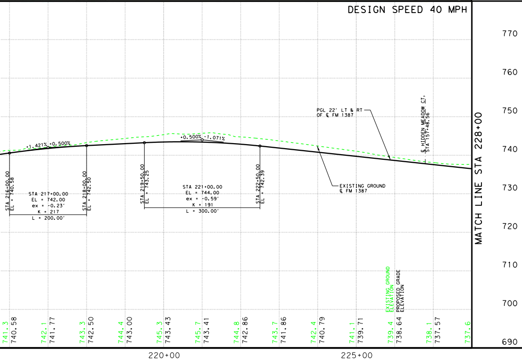
RETAINING WALLS

NO.	BEGIN STA	BEGIN OFFSET	END STA	END OFFSET	WALL LENGTH
WALL 3A	185+00.00	62.50′ LT	195+75.00	62.50′ LT	1082.00′
WALL 4	186+14.79	65.30′ RT	189+66.90	57.50′ RT	353.44′
WALL 5	189+81.90	57.50′ RT	192+00.00	57.50′ RT	218.10′
WALL 6	196+00.00	57.50′ RT	197+44.87	57.50′ RT	144.87′
WALL 7	196+00.00	62.50′ LT	197+76.75	62.50′ LT	176.76′
WALL 8	197+75.11	57.50′ RT	199+00.00	57.50′ RT	124.90′
WALL 9	198+07.00	62.50′ LT	199+00.00	62.50′ LT	93.00′



STA 187+25.00
EL = 700.00
ex = 0.48′
K = 105
L = 200.00′
STA 188+25.00
EL = 699.37
-2.538%
-0.632%
PGL 22′ LT & RT
OF ℄ FM 1387
PROP. STRUCTURE M10
1 - 3′X2′ RCBC
STA. 189+74
F_{L} = 701.10′
F_{L} = 693.27′
F_{L} = 690.40′
STA 190+50.00
EL = 697.95
STA 192+00.00
EL = 697.00
ex = 1.07′
K = 105
L = 300.00′
-0.632%
+2.222%
EXISTING GROUND
℄ FM 1387
12" WATER LINE
16" WATER LINE
12" WATER LINE
STA 193+50.00
EL = 700.33
STA 195+50.00
EL = 704.78
+2.222%
+0.571%
STA 196+50.00
EL = 707.00
ex = -0.41′
K = 121
L = 200.00′
STA 197+50.00
EL = 707.57
PROP. STRUCTURE M12
2 - 6′X6′ RCBC
STA. 197+75
F_{L} = 693.49′
F_{L} = 693.16′
F_{L} = 692.84′
STA 199+00.00
EL = 708.43
STA 200+00.00
EL = 709.00
ex = 0.51′
K = 99
L = 200.00′
+0.571%
+2.600%
STA 201+00.00
EL = 711.60
10" WATER LINE
PGL 22′ LT & RT
OF ℄ FM 1387
EXISTING GROUND
℄ FM 1387
10" WATER LINE
STA 206+50.00
EL = 725.90
+2.600%
+1.421%
10" WATER
LINE
STA 207+50.00
EL = 728.50
ex = -0.29′
K = 170
L = 200.00′
STA 208+50.00
EL = 729.92
740
730
720
MATCH LINE
STA 210+00
SEE ABOVE
MATCH LINE
STA 210+00
SEE BELOW
740
730
720
PGL 22′ LT & RT
OF ℄ FM 1387
10" WATER LINE
EXISTING GROUND
℄ FM 1387
700.0
700.90
698.1
699.56
696.4
698.89
694.6
698.26
695.6
697.75
697.2
698.07
698.5
699.34
700.5
701.44
703.2
703.67
704.7
705.79
704.8
707.18
705.3
707.86
706.3
708.43
708.4
709.51
711.2
711.60
714.1
714.20
717.2
716.80
720.3
719.40
721.7
722.00
724.5
724.60
726.9
727.13
728.4
729.14
731.4
730.63
732.9
732.05
735.0
733.47
736.1
734.89
737.3
736.32
738.6
737.74
739.9
739.16
190+00
195+00
200+00
205+00
210+00
215+00


CLIFTON CT.
VALARIE LN.
MORNINGSIDE CT.
DUSTIN MANOR
MEADOWS AT LONGBRANCH
CLIFTON CT.
BRANCHWOOD DR.
END CURB WALL
STA 220+25,
62.00' LT
PROP CURB WALL 2'
END CONSTRUCTION
℄ CLIFTON CT.
STA. 10+90.00
℄ CLIFTON CT.
END CONSTRUCTION
℄ BRANCHWOOD DR.
STA. 10+90.00
℄ BRANCHWOOD DR.
R=30'
℄ FM 1387
PROP. ROW
EXIST. ROW
140' ROW
MIDLOTHIAN
UNINCORPORATED
FM 1387
PROP. ROW
STA. 226+79.69 CL FM 1387
STA. 10+00.00 CL BRANCHWOOD DR.
225+00
OE
113
112
115
116
118
119
122
123
114
117
120
121
125
MATCH LINE STA 228+00



Texas Department of Transportation

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DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

FM 1387
DESIGN SCHEMATIC

ELLIS COUNTY, TEXAS

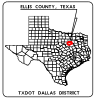
FROM NORTH MIDLOTHIAN PARKWAY TO FM 664
CSJ: 1394-02-027
LENGTH: 5.2 MILES

DATED: JULY 2022

ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
FM 1387	40 MPH	PRINCIPAL ARTERIAL
INTERSECTING STREETS	30 MPH	LOCAL

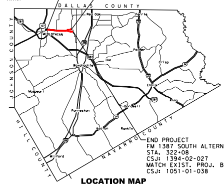
INDEX OF SHEETS

ROLL 1 OF 10: PLAN & PROFILE VIEW STA. 19+00 TO STA. 95+00
ROLL 2 OF 10: PLAN & PROFILE VIEW STA. 95+00 TO STA. 164+00
ROLL 3 OF 10: PLAN & PROFILE VIEW STA. 164+00 TO STA. 228+00
ROLL 4 OF 10: PLAN & PROFILE VIEW STA. 228+00 TO STA. 297+92 (NORTH ALTERNATIVE)
ROLL 5 OF 10: PLAN & PROFILE VIEW STA. 229+00 TO STA. 286+00 (SOUTH ALTERNATIVE)
ROLL 6 OF 10: PLAN & PROFILE VIEW STA. 286+00 TO STA. 322+08 (SOUTH ALTERNATIVE)
■ROLL 7 OF 10: SUPPLEMENTAL SIDE STREET PROFILES
■ROLL 8 OF 10: SUPPLEMENTAL SIDE STREET PROFILES
■ROLL 9 OF 10: SUPPLEMENTAL SIDE STREET PROFILES (NORTH ALTERNATIVE)
■ROLL 10 OF 10: SUPPLEMENTAL SIDE STREET PROFILES (SOUTH ALTERNATIVE)
■ NOT INCLUDED


ELLIS COUNTY, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

ROLL 3 OF 10


BEGIN PROJECT
CSJ: 1394-02-027
FM 1387
STA. 19+00
END PROJECT
FM 1387 NORTH ALTERNATIVE
STA. 297+92
CSJ: 1394-02-027
MATCH EXIST. PROJ. BY OTHERS
CSJ: 1051-01-038
END PROJECT
FM 1387 SOUTH ALTERNATIVE
STA. 322+08
CSJ: 1394-02-027
MATCH EXIST. PROJ. BY OTHERS
CSJ: 1051-01-038
DALLAS COUNTY
JOHNSON COUNTY
HILL COUNTY
NAVARRO COUNTY
Red Oak
Ferris
MIDLOTHIAN
Palmer
Waxahachie
Ike
Crisp
Ennis
Maypearl
Bardwell
Forreston
Avalon
Rankin
Milford

LOCATION MAP

N.T.S.

LEGEND

—·—·—	EXISTING RIGHT OF WAY LINE	🟧	PROPOSED CONCRETE PAVEMENT
—·—·—	PROPOSED RIGHT OF WAY LINE	🟨	PROPOSED SIDEWALK
—·—·—	CENTERLINE	🟪	PROPOSED DRIVEWAY
——	PARCEL LINE	▬	ADJACENT PROJECT - BY OTHERS
— — —	CITY/COUNTY BOUNDARY LINE	▭	PROPOSED ROW ACQUISITION
- - - -	EXISTING DRAINAGE	←	PROPOSED LANES
·—◄—·	PROPOSED DITCH BOTTOM	(#)	PARCEL IDENTIFYING NUMBER
▥	PROPOSED DRAINAGE STRUCTURE	▩	EXISTING PAVEMENT REMOVAL
——	PROPOSED RETAINING WALL	▨	DISPLACEMENT
◄∿	DIRECTION OF FLOW	▬	CURB WALL
▨	EXISTING 100-YEAR FLOODPLAIN	▬	METAL BEAM GUARD FENCE (MBGF)

SCALE: 1"=100' H, 1"=10' V

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

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