Texas Department of Transportation

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DALLAS DISTRICT
CEASON CLEMENS, P.E., DISTRICT ENGINEER

FM 1387
100% DESIGN SCHEMATIC

ELLIS COUNTY, TEXAS
FROM NORTH MIDLOTHIAN PARKWAY TO FM 664
CSJ's: 1394-02-027 & 1394-01-002
LENGTH: 5.75 MILES
DATED: AUGUST 2024

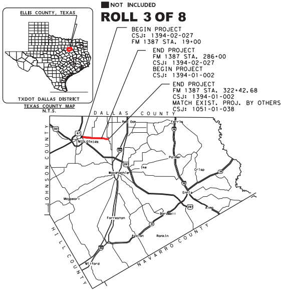
ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
FM 1387	40 MPH	PRINCIPAL ARTERIAL
MIDLOTHIAN PARKWAY	45 MPH	MAJOR COLLECTOR
WALLNUT GROVE ROAD	35 MPH	MAJOR COLLECTOR
LONGBRANCH ROAD	35 MPH	MAJOR COLLECTOR
FM 664	55 MPH	MAJOR COLLECTOR
LOCAL STREETS	30 MPH	LOCAL

INDEX OF SHEETS

ROLL 1 OF 8: PLAN & PROFILE VIEW STA. 19+00 TO STA. 95+00
ROLL 2 OF 8: PLAN & PROFILE VIEW STA. 95+00 TO STA. 164+00
ROLL 3 OF 8: PLAN & PROFILE VIEW STA. 164+00 TO STA. 228+00
ROLL 4 OF 8: PLAN & PROFILE VIEW STA. 228+00 TO STA. 286+00
ROLL 5 OF 8: PLAN & PROFILE VIEW STA. 286+00 TO STA. 322+36
■ ROLL 6 OF 8: SUPPLEMENTAL SIDE STREET PROFILES
■ ROLL 7 OF 8: SUPPLEMENTAL SIDE STREET PROFILES
■ ROLL 8 OF 8: SUPPLEMENTAL SIDE STREET PROFILES

■ NOT INCLUDED

ROLL 3 OF 8



ELLIS COUNTY, TEXAS
TXDOT DALLAS DISTRICT
TEXAS COUNTY MAP
N.T.S.
BEGIN PROJECT
CSJ: 1394-02-027
FM 1387 STA. 19+00
END PROJECT
FM 1387 STA. 286+00
CSJ: 1394-02-027
BEGIN PROJECT
CSJ: 1394-01-002
END PROJECT
FM 1387 STA. 322+42.68
CSJ: 1394-01-002
MATCH EXIST. PROJ. BY OTHERS
CSJ: 1051-01-038
DALLAS COUNTY
JOHNSON COUNTY
HILL COUNTY
NAVARRO COUNTY
MIDLOTHIAN
Red Oak
Ferris
Palmer
Waxahachie
Ike
Crisp
Ennis
Maypearl
Bardwell
Alma
Forreston
Avalon
Rankin
Milford
287
67
35E
45

LOCATION MAP
N.T.S.

LEGEND

- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- RIGHT OF WAY LINE BY OTHERS
- CENTERLINE
- PARCEL LINE
- CITY/COUNTY BOUNDARY LINE
- EXISTING DRAINAGE
- PROPOSED DITCH BOTTOM
- PROPOSED DRAINAGE STRUCTURE
- PROPOSED RETAINING WALL
- DIRECTION OF FLOW
- FEMA 100 YR FLOODPLAIN LIMITS
- CURB WALL
- SOUND WALL
- PROPOSED DRAINAGE EASEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED DRIVEWAY
- PROPOSED BRIDGE
- ADJACENT PROJECT - BY OTHERS
- PROPOSED ROW ACQUISITION
- ← PROPOSED LANES
- (#) PARCEL IDENTIFYING NUMBER
- EXISTING PAVEMENT REMOVAL
- DISPLACEMENT
- POTENTIAL IMPACTED PROPERTY
- METAL BEAM GUARD FENCE (MBGF)
- DEDICATION FOR TRANSPORTATION USE

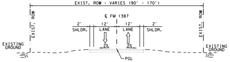
SCALE: 1"=100' H, 1"=10' V

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:

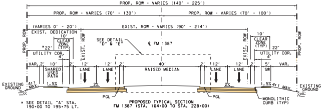
RANDY L GROS, PE	134559	8/05/2024
NAME	P.E. NO.	DATE

GARVER
3000 INTERNET BLVD
SUITE 400
FRISCO, TX 75034
FIRM REGISTRATION NO. 5713



EXIST. ROW - VARIES (90' - 170')
℄ FM 1387
2'
12'
12'
2'
SHLDR.
LANE
LANE
SHLDR.
2%
2%
EXIST. ROW
EXISTING GROUND
PGL

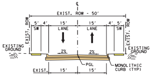
EXISTING TYPICAL SECTION
FM 1387 (STA. 160+00 TO STA. 231+00)



PROP. ROW - VARIES (140' - 225')
PROP. ROW - VARIES (70' - 130')
PROP. ROW - VARIES (70' - 100')
(VARIES 0' - 20')
EXIST. DEDICATION
EXIST. ROW - VARIES (90' - 214')
10'
CLEAR ZONE (TYP)
*22'
UTILITY COR.
4'
SEE DETAIL "D" & "E"
℄ FM 1387
VAR.
2'
10'
SHARED USED PATH
12'
LANE
40'
RAISED MEDIAN
5'
SW
22'
1.5%
2%
4:1 MAX.
EXISTING GROUND
PROP. ROW
EXIST. ROW
PGL
MONOLITHIC CURB (TYP)

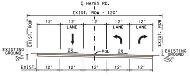
* SEE DETAIL "A" STA. 190+00 TO 195+75 LT.

PROPOSED TYPICAL SECTION
FM 1387 (STA. 164+00 TO STA. 228+00)



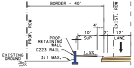
℄
EXIST. ROW - 50'
5'
4'
15'
15'
SW
LANE
LANE
2%
EXIST. ROW
EXISTING GROUND
PGL
MONOLITHIC CURB (TYP)
EXIST.

PROPOSED TYPICAL SECTION
MEANDERING WAY (STA. 10+50 TO STA. 11+60)
BRANCH LANE (STA. 10+50 TO STA. 11+60)



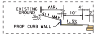
℄ HAYES RD.
EXIST. ROW - 120'
12'
LANE
2%
PGL
EXIST. ROW
EXISTING GROUND
EXIST.

PROPOSED TYPICAL SECTION
HAYES ROAD (STA. 13+90 TO STA. 14+19)



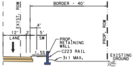
BORDER - 40'
PROP. ROW
EXIST. ROW
4'
10'
2'
12'
SUP
LANE
PROP. RETAINING WALL
C223 RAIL
3:1 MAX.
1.5%
EXISTING GROUND

DETAIL "A"
FM 1387 RETAINING WALL
(STA. 164+00 TO 166+00) LT.
(STA. 196+00 TO 197+77) LT.
(STA. 198+07 TO 199+00) LT.



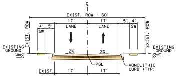
EXISTING GROUND
VAR.
4'
10'
2
4:1 MAX.
1.5%
PROP CURB WALL

DETAIL "B"
FM 1387 CURB WALL
(STA 220+00 TO 220+25) LT.
(STA 220+40 TO 221+00) LT.



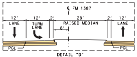
BORDER - 40'
EXIST. ROW
PROP. ROW
12'
2'
4'
5'
LANE
SW
1.5%
PROP. RETAINING WALL
C223 RAIL
3:1 MAX.
EXISTING GROUND

DETAIL "C"
FM 1387 RETAINING WALL
(STA. 186+15 TO 189+93) RT.
(STA. 190+08 TO 192+00) RT.
(STA. 196+00 TO 197+45) RT.
(STA. 197+75 TO 198+25) RT.



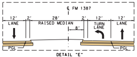
℄
EXIST. ROW - 60'
17'
17'
5'
4'
SW
LANE
LANE
2%
EXIST. ROW
EXISTING GROUND
PGL
MONOLITHIC CURB (TYP)
EXIST.

PROPOSED TYPICAL SECTION
BRANCHWOOD DRIVE (STA. 10+50 TO STA. 10+90)



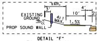
℄ FM 1387
12'
2'
28'
8'
LANE
TURN LANE
RAISED MEDIAN
PGL

DETAIL "D"
WESTBOUND LEFT TURN LANES
(STA 194+34 TO STA 197+92)



℄ FM 1387
12'
2'
28'
8'
LANE
RAISED MEDIAN
TURN LANE
PGL

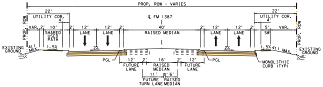
DETAIL "E"
EASTBOUND LEFT TURN LANES
(STA 207+86 TO STA 211+47)
(STA 225+65 TO STA 228+00)



VAR.
3'
4'
10'
2
EXISTING GROUND
4:1 MAX.
1.5%
PROP SOUND WALL

DETAIL "F"
FM 1387 SOUND WALL
(STA 204+72 TO 207+15) LT.
(STA 208+03 TO 211+61) LT.
(STA 212+40 TO 217+00) LT.

TYPICAL SECTIONS [N.T.S.]



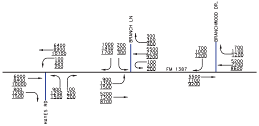
PROP. ROW - VARIES
22'
UTILITY COR.
4'
℄ FM 1387
VAR.
2'
10'
SHARED USED PATH
12'
LANE
40'
RAISED MEDIAN
5'
SW
1.5%
2%
4:1 MAX.
PROP. ROW
EXISTING GROUND
PGL
12'
2'
16'
FUTURE LANE
RAISED MEDIAN
11'
6'
FUTURE TURN LANE
MONOLITHIC CURB (TYP)

PROPOSED ULTIMATE TYPICAL SECTION
FM 1387 (STA. 164+00 TO STA. 228+00)

ULTIMATE TYPICAL SECTIONS [N.T.S.]

PARCEL ID	OWNER
83	FAIRBANKS CHARLES L JR
84	FAIRBANKS CHARLES L JR
85	WEAVER PHILIP F & SUSANNE
86	LOGAN WENDELL M & ELEANOR M
87	BOWMAN RICK & STEPHANIE
88	KRIETMEYER GORDON & JERI
89	GARCIA LORA & ANTONIO F
90	MORRIS ROGER G & DIANE
91	WEAVER PHILIP F & SUSANNE
92	WEAVER PHILIP F & SUSANNE
93	VIEN LADD
94	SIMPSON KELLY S
95	DIAZ CELITA & MAURICIO
96	RUPERT DONALD R & GLENDA G
97	CAPELL WILLIAM J JR & ANN-ELIZABETH
98	COUSINEAU JOHN R SR & DIXIE L
99	BODLE HEATHER L
100	GANDY DONNA
101	SHAVIT TOMER
102	NAJERA DAVID II & STROUP JESSICA
103	ONE CHURCH WORLDWIDE
104	GARCIA JESSE M JR
105	SHAW PROPERTIES LLC
106	CHELONE SIERRA J & VINCENT A
107	RANSBOTTOM CHRISTOPHER E & LAUREN T
108	R MCGWIER REVOCABLE TRUST
109	ROPE FAMILY INVESTMENTS LLC
110	TART ERVIN RAY & SANDRA
111	CHAVARRIA AARON R & TIARA D
112	BIERHALTER PHILLIP W & CHRISTIE
113	RS RENTAL III-A LLC
114	HEARN CLYDE K & MOLLYE
115	CONFIDENTIAL OWNER
116	WALKER DOUGLAS A & BRENDA L
117	SODDERS CHERYL L
118	LEE LENG L & BEE MOUA
119	DUSTIN MANOR HOMEOWNER'S ASSOCIATION INC
120	DEWEERD FAMILY TRUST
121	HORTON RAYMOND & JANICE Y
122	SALADINO CONNIE
123	DUHON ROBERT P
124	MIDLOTHIAN ISD
125	COOK JAMES R

PARCEL OWNER INFORMATION TABLE



HAYES RD
BRANCH LN
BRANCHWOOD DR.
FM 1387
6400
8900
10700
100
200
200
6000
8400
10000
800
1200
1500
900
1200
1500
100
200
200
1000
1400
1700
200
200
300
300
300
400
5500
7700
9200
100
200
200
900
1300
1500
5200
7300
8700
700
1000
1200
700
1100
1200
5200
7200
8600
5500
7700
9200

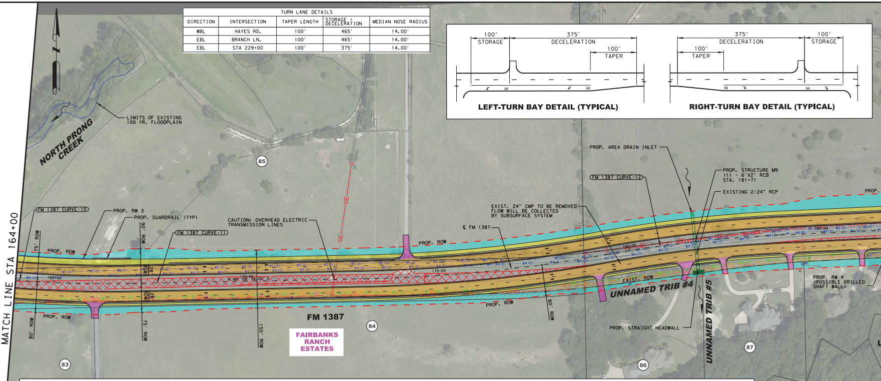
LEGEND
OPENING YEAR (2025)
DESIGN YEAR (2045)
PAVEMENT YEAR (2055)

TRAFFIC LINE DIAGRAM [N.T.S.]

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

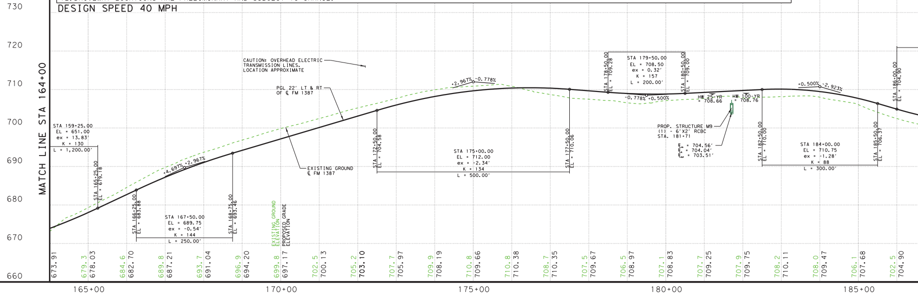
NOTES:
MEDIAN OPENINGS WERE DETERMINED IN COORDINATION WITH LOCAL GOVERNMENT. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.

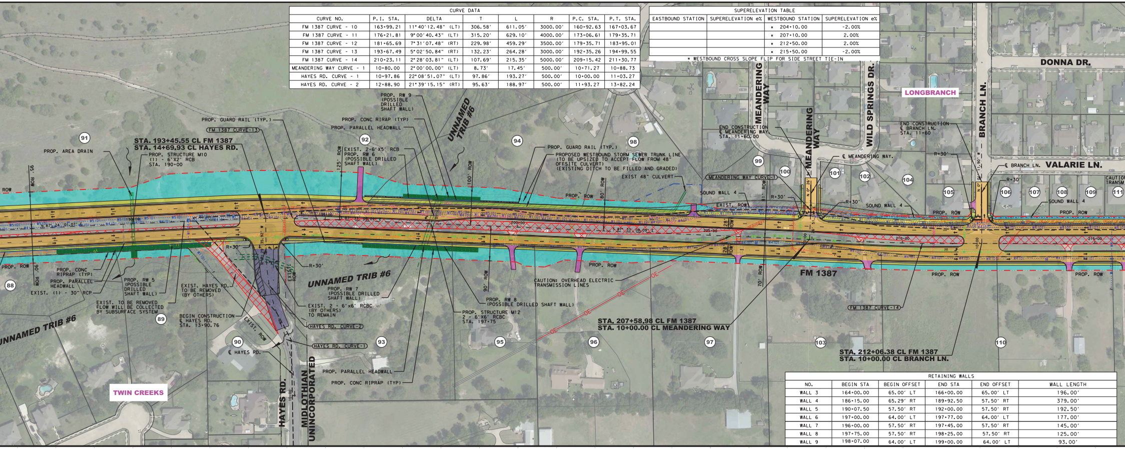
TURN LANE DETAILS				
DIRECTION	INTERSECTION	TAPER LENGTH	STORAGE + DECELERATION	MEDIAN NOSE RADIUS
WBL	HAYES RD.	100'	465'	14.00'
EBL	BRANCH LN.	100'	465'	14.00'
EBL	STA 229+00	100'	375'	14.00'


N
100' STORAGE
375' DECELERATION
100' TAPER
LEFT-TURN BAY DETAIL (TYPICAL)
375' DECELERATION
100' STORAGE
100' TAPER
RIGHT-TURN BAY DETAIL (TYPICAL)
MATCH LINE STA 164+00
NORTH PRONG CREEK
LIMITS OF EXISTING 100 YR. FLOODPLAIN
85
84
83
86
87
FM 1387 CURVE-10
PROP. RW 3
PROP. GUARDRAIL (TYP)
FM 1387 CURVE-11
CAUTION: OVERHEAD ELECTRIC TRANSMISSION LINES
PROP. ROW
75' ROW
80' ROW
90' ROW
150' ROW
FM 1387
FAIRBANKS RANCH ESTATES
℄ FM 1387
EXIST. 24" CMP TO BE REMOVED FLOW WILL BE COLLECTED BY SUBSURFACE SYSTEM
FM 1387 CURVE-12
PROP. AREA DRAIN INLET
PROP. STRUCTURE M9 (1) - 6'X2' RCB STA. 181+71
EXISTING 2-24" RCP
EXIST. ROW
UNNAMED TRIB #4
UNNAMED TRIB #5
PROP. STRAIGHT HEADWALL
PROP. RW 4 (POSSIBLE DRILLED SHAFT WALL)
165+00
170+00
175+00
180+00
185+00

NOTES:
1. EXISTING ROW FOR FM 1387 IS APPARENT ROW PROVIDED BY TXDOT, NOT PER DEED RESEARCH.
2. EXISTING PARCEL LINES ARE APPROXIMATE. INFORMATION RETRIEVED FROM ELLIS COUNTY, 2020. 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. ADDITIONAL IMAGERY PROVIDED BASED ON GOOGLE EARTH 2022
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.
8. DIMENSIONS ARE TO THE EDGE OF THE PAVEMENT OR NOMINAL FACE OF CURB , RAIL, BARRIER OR WALL (UNLESS NOTED OTHERWISE).
9. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENTS IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING STRUCTURE. ACTUAL DAMAGES TO THE BUILDING AND PROPERTY TO BE DETERMINED DURING ROW ACQUISITION.
10. CONVENTIONAL ROADWAY SIGNAL (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING PS&E.
11. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED DURING DETAILED DESIGN STAGE AND COORDINATION WITH THE LOCAL GOVERNMENT THAT THE DRIVEWAY IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN ACCESS DENIAL LIMITS SHOWN.
12. DRIVEWAY LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE.

DESIGN SPEED 40 MPH



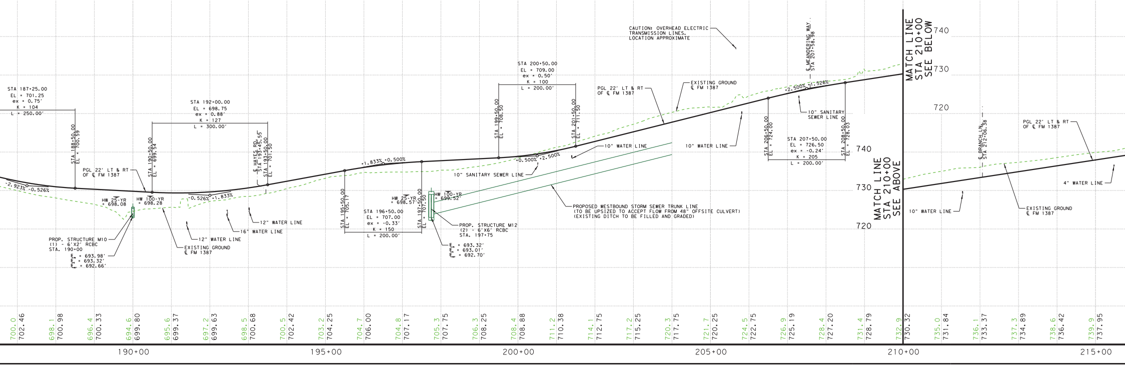

PROP. AREA DRAIN
91
STA. 193+45.55 CL FM 1387
STA. 14+69.93 CL HAYES RD.
PROP. STRUCTURE M10
(1) - 6'X2' RCB
STA. 190+00
PROP. GUARD RAIL (TYP.)
FM 1387 CURVE-13
95' ROW
ROW
N 87° 24' 01.07" E
PROP. ROW
90' ROW
88
PROP. CONC RIPRAP (TYP)
PROP. PARALLEL HEADWALL
EXIST. (1) - 30" RCP
PROP. RW 5 (POSSIBLE DRILLED SHAFT WALL)
EXIST. TO BE REMOVED FLOW WILL BE COLLECTED BY SUBSURFACE SYSTEM
89
UNNAMED TRIB #6
EXIST. HAYES RD. TO BE REMOVED (BY OTHERS)
BEGIN CONSTRUCTION
℄ HAYES RD.
STA. 13+90.76
R=30'
EXIST. ROW
90
℄ HAYES RD.
TWIN CREEKS
HAYES RD.
MIDLOTHIAN
UNINCORPORATED
HAYES RD. CURVE-2
HAYES RD. CURVE-1
EXIST. 2 - 6'x6' RCBC (BY OTHERS) TO REMAIN
PROP. RW 7 (POSSIBLE DRILLED SHAFT WALL)
UNNAMED TRIB #6
93
PROP. PARALLEL HEADWALL
PROP. CONC RIPRAP (TYP)
92
125' ROW
EXIST. 2-6'X5' RCB
PROP. RW 6 (POSSIBLE DRILLED SHAFT WALL)
PROP. RW 9 (POSSIBLE DRILLED SHAFT WALL)
PROP. CONC RIRAP (TYP)
PROP. PARALLEL HEADWALL
UNNAMED TRIB #6
94
100' ROW
S 87° 33' 08.09" E
200+00
90' ROW
PROP. RW 8 (POSSIBLE DRILLED SHAFT WALL)
PROP. STRUCTURE M12
2 - 6'X6' RCBC
STA. 197+75
95
96
PROP. GUARD RAIL (TYP.)
PROPOSED WESTBOUND STORM SEWER TRUNK LINE (TO BE UPSIZED TO ACCEPT FLOW FROM 48" OFFSITE CULVERT) (EXISTING DITCH TO BE FILLED AND GRADED)
EXIST 48" CULVERT
98
80' ROW
PROP. ROW
CAUTION: OVERHEAD ELECTRIC TRANSMISSION LINES
OE
STA. 207+58.98 CL FM 1387
STA. 10+00.00 CL MEANDERING WAY
97
MEANDERING WAY
END CONSTRUCTION
℄ MEANDERING WAY.
STA. 11+60.00
99
100
MEANDERING WAY CURVE-1
SOUND WALL 4
EXIST. ROW
81' ROW
R=30'
205+00
28' RDWY
70' ROW
MEANDERING WAY
℄ MEANDERING WAY.
101
102
104
WILD SPRINGS DR.
SOUND WALL 4
FM 1387
FM 1387 CURVE-14
210+00
103
LONGBRANCH
END CONSTRUCTION
℄ BRANCH LN.
STA. 11+60
R=30'
105
PROP. ROW
BRANCH LN.
℄ BRANCH LN.
VALARIE LN.
DONNA DR.
106
107
108
109
111
SOUND WALL 4
CAUTION TRANSM
PROP. ROW
215+00
110
STA. 212+06.38 CL FM 1387
STA. 10+00.00 CL BRANCH LN.

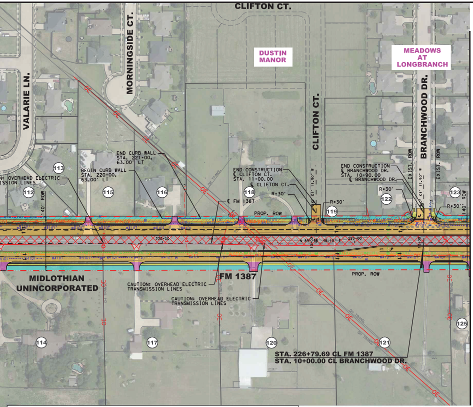
CURVE DATA							
CURVE NO.	P.I. STA.	DELTA	T	L	R	P.C. STA.	P.T. STA.
FM 1387 CURVE - 10	163+99.21	11°40'12.48" (LT)	306.58'	611.05'	3000.00'	160+92.63	167+03.67
FM 1387 CURVE - 11	176+21.81	9°00'40.43" (LT)	315.20'	629.10'	4000.00'	173+06.61	179+35.71
FM 1387 CURVE - 12	181+65.69	7°31'07.48" (RT)	229.98'	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

SUPERELEVATION TABLE			
EASTBOUND STATION	SUPERELEVATION e%	WESTBOUND STATION	SUPERELEVATION e%
		* 204+10.00	-2.00%
		* 207+10.00	2.00%
		* 212+50.00	2.00%
		* 215+50.00	-2.00%

* WESTBOUND CROSS SLOPE FLIP FOR SIDE STREET TIE-IN

RETAINING WALLS					
NO.	BEGIN STA	BEGIN OFFSET	END STA	END OFFSET	WALL LENGTH
WALL 3	164+00.00	65.00' LT	166+00.00	65.00' LT	196.00'
WALL 4	186+15.00	65.29' RT	189+92.50	57.50' RT	379.00'
WALL 5	190+07.50	57.50' RT	192+00.00	57.50' RT	192.50'
WALL 6	197+00.00	64.00' LT	197+77.00	64.00' LT	177.00'
WALL 7	196+00.00	57.50' RT	197+45.00	57.50' RT	145.00'
WALL 8	197+75.00	57.50' RT	198+25.00	57.50' RT	125.00'
WALL 9	198+07.00	64.00' LT	199+00.00	64.00' LT	93.00'


STA 187+25.00
EL = 701.25
ex = 0.75'
K = 104
L = 250.00'
-2.923%
-0.526%
STA 188+50.00
EL = 700.59
PGL 22' LT & RT OF ℄ FM 1387
HW 25-YR = 698.08
HW 100-YR = 698.28
PROP. STRUCTURE M10
(1) - 6'X2' RCBC
STA. 190+00
E_{in} = 693.98'
E_{c} = 693.32'
E_{out} = 692.66'
STA 190+50.00
EL = 699.54
STA 192+00.00
EL = 698.75
ex = 0.88'
K = 127
L = 300.00'
-0.526%
+1.833%
EXISTING GROUND
℄ FM 1387
12" WATER LINE
16" WATER LINE
12" WATER LINE
℄ HAYES RD.
STA 193+45.55
STA 193+50.00
EL = 701.50
+1.833%
+0.500%
STA 195+50.00
EL = 705.17
STA 196+50.00
EL = 707.00
ex = -0.33'
K = 150
L = 200.00'
HW 25-YR = 698.57'
STA 197+50.00
EL = 707.50
HW 100-YR = 699.52'
PROP. STRUCTURE M12
(2) - 6'X6' RCBC
STA. 197+75
E_{in} = 693.32'
E_{c} = 693.01'
E_{out} = 692.70'
STA 199+50.00
EL = 708.50
STA 200+50.00
EL = 709.00
ex = 0.50'
K = 100
L = 200.00'
+0.500%
+2.500%
10" SANITARY SEWER LINE
STA 201+50.00
EL = 711.50
10" WATER LINE
PROPOSED WESTBOUND STORM SEWER TRUNK LINE
(TO BE UPSIZED TO ACCEPT FLOW FROM 48" OFFSITE CULVERT)
(EXISTING DITCH TO BE FILLED AND GRADED)
PGL 22' LT & RT OF ℄ FM 1387
EXISTING GROUND
℄ FM 1387
CAUTION: OVERHEAD ELECTRIC TRANSMISSION LINES. LOCATION APPROXIMATE
10" WATER LINE
STA 206+50.00
EL = 724.00
+2.500%
+1.526%
℄ MEANDERING WAY
STA 207+58.98
10" SANITARY SEWER LINE
STA 207+50.00
EL = 726.50
ex = -0.24'
K = 205
L = 200.00'
STA 208+50.00
EL = 728.03
740
730
720
MATCH LINE STA 210+00 SEE BELOW
740
730
720
MATCH LINE STA 210+00 SEE ABOVE
10" WATER LINE
℄ BRANCH LN.
STA 212+06.38
PGL 22' LT & RT OF ℄ FM 1387
EXISTING GROUND
℄ FM 1387
4" WATER LINE
700.0
702.46
698.1
700.98
696.4
700.33
694.6
699.80
695.6
699.37
697.2
699.63
698.5
700.68
700.5
702.42
703.2
704.25
704.7
706.00
704.8
707.17
705.3
707.75
706.3
708.25
708.4
708.88
711.2
710.38
714.1
712.75
717.2
715.25
720.3
717.75
721.7
720.25
724.5
722.75
726.9
725.19
728.4
727.20
731.4
728.79
732.9
730.32
735.0
731.84
736.1
733.37
737.3
734.89
738.6
736.42
739.9
737.95
190+00
195+00
200+00
205+00
210+00
215+00

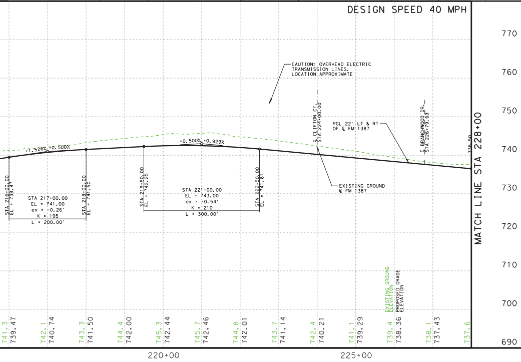

CLIFTON CT.
VALARIE LN.
MORNINGSIDE CT.
DUSTIN MANOR
MEADOWS AT LONGBRANCH
CLIFTON CT.
BRANCHWOOD DR.
END CURB WALL STA. 221+00, 63.00' LT
BEGIN CURB WALL STA. 220+00, 63.00' LT
OVERHEAD ELECTRIC TRANSMISSION LINES
END CONSTRUCTION ℄ CLIFTON CT. STA. 11+00.00
℄ CLIFTON CT.
R=30'
℄ FM 1387
PROP. ROW
END CONSTRUCTION ℄ BRANCHWOOD DR. STA. 10+90.00
℄ BRANCHWOOD DR.
EXIST. ROW
R=30'
113
112
115
116
118
119
122
123
140' ROW
220+00
225+00
N 89°58' 48.10" E
MIDLOTHIAN UNINCORPORATED
FM 1387
CAUTION: OVERHEAD ELECTRIC TRANSMISSION LINES
CAUTION: OVERHEAD ELECTRIC TRANSMISSION LINES
PROP. ROW
114
117
120
121
124
125
OE
STA. 226+79.69 CL FM 1387
STA. 10+00.00 CL BRANCHWOOD DR.

MATCH LINE STA 228+00
END CSJ 1394-02-027
BEGIN CSJ 1394-01-002

GUARDRAIL TABLE					
NO.	BEGIN STA	BEGIN OFFSET	END STA	END OFFSET	GUARDRAIL LENGTH
NO. 16A	166+00.00	64.50' RT	167+00.00	64.50' RT	100.00'
NO. 17	195+00.00	57.50' RT	196+00.00	57.50' RT	100.00'
NO. 18	199+00.00	63.50' LT	200+05.00	63.50' LT	105.00'

SOUND WALLS					
NO.	BEGIN STA	BEGIN OFFSET	END STA	END OFFSET	WALL LENGTH
SOUND WALL 4	204+72.74	77.07' LT	217+00.00	67.00' LT	1061.00'

DESIGN SPEED 40 MPH



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Texas Department of Transportation

DALLAS DISTRICT
CEASON CLEMENS, P.E., DISTRICT ENGINEER

FM 1387
100% DESIGN SCHEMATIC

ELLIS COUNTY, TEXAS
FROM NORTH MIDLOTHIAN PARKWAY TO FM 664
CSJ's: 1394-02-027 & 1394-01-002
LENGTH: 5.75 MILES

DATED: AUGUST 2024

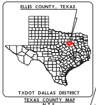
ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
FM 1387	40 MPH	PRINCIPAL ARTERIAL
MIDLOTHIAN PARKWAY	45 MPH	MAJOR COLLECTOR
WALLNUT GROVE ROAD	35 MPH	MAJOR COLLECTOR
LONGBRANCH ROAD	35 MPH	MAJOR COLLECTOR
FM 664	55 MPH	MAJOR COLLECTOR
LOCAL STREETS	30 MPH	LOCAL

INDEX OF SHEETS

ROLL 1 OF 8: PLAN & PROFILE VIEW STA. 19+00 TO STA. 95+00
ROLL 2 OF 8: PLAN & PROFILE VIEW STA. 95+00 TO STA. 164+00
ROLL 3 OF 8: PLAN & PROFILE VIEW STA. 164+00 TO STA. 228+00
ROLL 4 OF 8: PLAN & PROFILE VIEW STA. 228+00 TO STA. 286+00
ROLL 5 OF 8: PLAN & PROFILE VIEW STA. 286+00 TO STA. 322+36
■ ROLL 6 OF 8: SUPPLEMENTAL SIDE STREET PROFILES
■ ROLL 7 OF 8: SUPPLEMENTAL SIDE STREET PROFILES
■ ROLL 8 OF 8: SUPPLEMENTAL SIDE STREET PROFILES

■ NOT INCLUDED

ROLL 3 OF 8

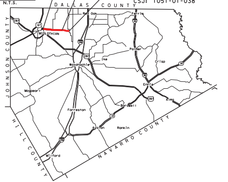

ELLIS COUNTY, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

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

END PROJECT
FM 1387 STA. 286+00
CSJ: 1394-02-027
BEGIN PROJECT
CSJ: 1394-01-002

END PROJECT
FM 1387 STA. 322+42.68
CSJ: 1394-01-002
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
Alma
Forreston
Avalon
Rankin
Milford
287
67
45
35E

LOCATION MAP
N.T.S.

LEGEND

—·—·—	EXISTING RIGHT OF WAY LINE	—·—·—	PROPOSED DRAINAGE EASEMENT
—·—·—	PROPOSED RIGHT OF WAY LINE	▬	PROPOSED CONCRETE PAVEMENT
—·—·—	RIGHT OF WAY LINE BY OTHERS	▬	PROPOSED SIDEWALK
—·—·—	CENTERLINE	▬	PROPOSED DRIVEWAY
——	PARCEL LINE	▬	PROPOSED BRIDGE
— — —	CITY/COUNTY BOUNDARY LINE	▬	ADJACENT PROJECT - BY OTHERS
— — —	EXISTING DRAINAGE	▬	PROPOSED ROW ACQUISITION
—·→·—	PROPOSED DITCH BOTTOM	←	PROPOSED LANES
▭	PROPOSED DRAINAGE STRUCTURE	#	PARCEL IDENTIFYING NUMBER
——	PROPOSED RETAINING WALL	▨	EXISTING PAVEMENT REMOVAL
←	DIRECTION OF FLOW	▨	DISPLACEMENT
▨	FEMA 100 YR FLOODPLAIN LIMITS	▨	POTENTIAL IMPACTED PROPERTY
······	CURB WALL	▬	METAL BEAM GUARD FENCE (MBGF)
—·—·—	SOUND WALL	▨	DEDICATION FOR TRANSPORTATION USE

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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