**Texas Department of Transportation**
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DALLAS DISTRICT
CEASON CLEMENS, P.E., DISTRICT ENGINEER

# FM 1387
# 60% DESIGN SCHEMATIC

ELLIS COUNTY, TEXAS
FROM NORTH MIDLOTHIAN PARKWAY TO FM 664
CSJ: 1394-02-027
LENGTH: 5.84 MILES
**DATED: MARCH 2023**

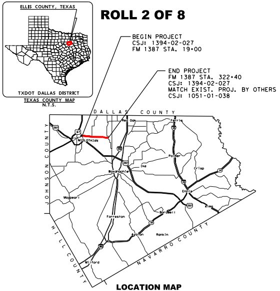
| ROADWAY | DESIGN SPEED | FUNCTIONAL CLASSIFICATION |
|---|---|---|
| FM 1387 | 40 MPH | PRINCIPAL ARTERIAL |
| MIDLOTHIAN PARKWAY | 45 MPH | MAJOR COLLECTOR |
| WALLNUT GROVE ROAD | 35 MPH | MAJOR COLLECTOR |
| LONGBRANCH ROAD | 35 MPH | MAJOR COLLECTOR |
| FM 664 | 55 MPH | MAJOR COLLECTOR |
| LOCAL 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+40 |
| ■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 2 OF 8


ELLIS COUNTY, TEXAS
TXDOT DALLAS DISTRICT
BEGIN PROJECT
CSJ: 1394-02-027
FM 1387 STA. 19+00
END PROJECT
FM 1387 STA. 322+40
CSJ: 1394-02-027
MATCH EXIST. PROJ. BY OTHERS
CSJ: 1051-01-038
DALLAS COUNTY
JOHNSON COUNTY
HILL COUNTY
NAVARRO COUNTY
MIDLOTHIAN
Red Oak
Ferris
Palmer
Ike
Crisp
Waxahachie
Ennis
Alma
Maypearl
Bardwell
Forreston
Avalon
Rankin
Milford
287
67
35E
45
34

TEXAS COUNTY MAP
N.T.S.

### LOCATION MAP
N.T.S.

## LEGEND

- ·—·— EXISTING RIGHT OF WAY LINE
- 🟥·🟥 PROPOSED RIGHT OF WAY LINE
- —·—· CENTERLINE
- —— PARCEL LINE
- — — — CITY/COUNTY BOUNDARY LINE
- 🟩 – – EXISTING DRAINAGE
- ·—◂—· PROPOSED DITCH BOTTOM
- 🟩 PROPOSED DRAINAGE STRUCTURE
- 🟦 —— PROPOSED RETAINING WALL
- ◂∿ DIRECTION OF FLOW
- ▨ EXISTING 100-YEAR FLOODPLAIN
- 🟦 CURB WALL
- 🟧 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
- ▬ METAL BEAM GUARD FENCE (MBGF)

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

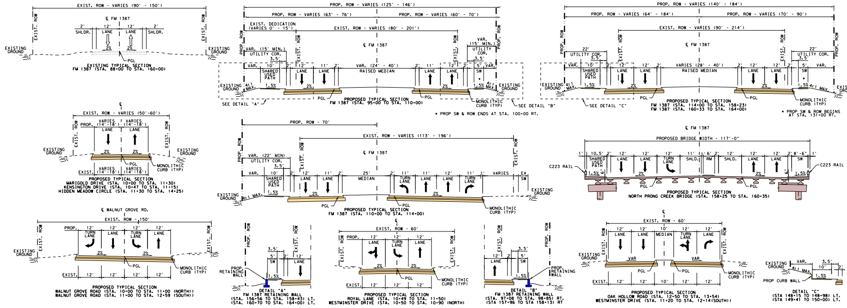
# PRELIMINARY
## FOR INTERIM REVIEW ONLY

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 | 03/30/2023 |

GARVER
3010 GAYLORD PARKWAY
SUITE 190
FRISCO, TX 75034

FIRM REGISTRATION NO. 5713


EXIST. ROW - VARIES (90' - 150')
℄ FM 1387
2' SHLDR.
12' LANE
12' LANE
2' SHLDR.
2%
EXISTING GROUND
EXIST. ROW
PGL
PROP. ROW - VARIES (125' - 146')
PROP. ROW - VARIES (63' - 76')
PROP. ROW - VARIES (60' - 70')
EXIST. DEDICATION (VARIES 0' - 15')
EXIST. ROW - VARIES (80' - 201')
VAR. (15' MIN.)
UTILITY COR.
3.5'
VAR.
10' SHARED USED PATH
11' LANE
VAR. (24' - 40') RAISED MEDIAN
5' SW
1.5%
4:1 MAX.
MONOLITHIC CURB (TYP)
SEE DETAIL "A"
SEE DETAIL "B"
SEE DETAIL "C"
PROP. ROW - VARIES (140' - 184')
PROP. ROW - VARIES (64' - 184')
PROP. ROW - VARIES (70' - 90')
EXIST. ROW - VARIES (90' - 214')
22' UTILITY COR.
VARIES (28' - 40') RAISED MEDIAN
EXIST. ROW - VARIES (50'-60')
PROP.
VARIES (14'-18') LANE
EXIST.
PROP. ROW - 70'
EXIST. ROW - VARIES (113' - 196')
VAR. (22' MIN)
25' MEDIAN
TURN LANE
VARIES
EX SW
PROPOSED BRIDGE WIDTH - 117'-0"
1'
10.5'
11' SHLD.
6' RM
8'-6" SW
C223 RAIL
6"
℄ WALNUT GROVE RD.
EXIST. ROW - 150'
PROP. RETAINING WALL
EXIST. ROW - 60'
10' MEDIAN
VAR
PROP CURB WALL

EXISTING TYPICAL SECTION
FM 1387 (STA. 88+00 TO STA. 160+00)

PROPOSED TYPICAL SECTION
FM 1387 (STA. 95+00 TO STA. 110+00)

* PROP SW & ROW ENDS AT STA. 100+00 RT.

PROPOSED TYPICAL SECTION
FM 1387 (STA. 114+00 TO STA. 158+23)
FM 1387 (STA. 160+33 TO STA. 164+00)

* PROP SW & ROW BEGINS AT STA. 131+00 RT.

PROPOSED TYPICAL SECTION
MARIGOLD DRIVE (STA. 10+00 TO STA. 11+30)
KENSINGTON DRIVE (STA. 10+47 TO STA. 11+15)
HIDDEN MEADOW CIRCLE (STA. 11+30 TO STA. 14+25)

PROPOSED TYPICAL SECTION
FM 1387 (STA. 110+00 TO STA. 114+00)

PROPOSED TYPICAL SECTION
NORTH PRONG CREEK BRIDGE (STA. 158+25 TO STA. 160+35)

PROPOSED TYPICAL SECTION
WALNUT GROVE ROAD (STA. 10+00 TO STA. 11+00 (NORTH))
WALNUT GROVE ROAD (STA. 11+00 TO STA. 12+59 (SOUTH))

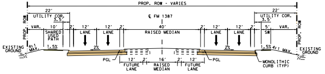
DETAIL "A"
FM 1387 RETAINING WALL
(STA. 156+56 TO STA. 158+43) LT.
(STA. 160+70 TO STA. 164+00) LT.

PROPOSED TYPICAL SECTION
ROYAL LANE (STA. 10+49 TO STA. 11+50)
WESTMINSTER DRIVE (STA. 10+50 TO STA. 10+90 (NORTH)

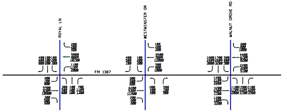
DETAIL "B"
FM 1387 RETAINING WALL
(STA. 97+08 TO STA. 98+85) RT.
(STA 157+96 TO STA 158+13) RT

PROPOSED TYPICAL SECTION
OAK HOLLOW ROAD (STA. 12+50 TO STA. 13+54)
WESTMINSTER DRIVE (STA. 11+20 TO STA. 12+14(SOUTH))

DETAIL "C"
(STA 148+15 TO 148+98) LT.
(STA 149+41 TO 150+00) LT.


PROP. ROW - VARIES
22' UTILITY COR.
3.5'
℄ FM 1387
VAR.
10' SHARED USED PATH
2'
12' LANE
40' RAISED MEDIAN
5' SW
PROP. ROW
EXISTING GROUND
4:1 MAX.
1.5%
2%
PGL
12' FUTURE LANE
16' RAISED MEDIAN
MONOLITHIC CURB (TYP)

## ULTIMATE TYPICAL SECTIONS [N.T.S.]


ROYAL LN
WESTMINSTER DR
WALNUT GROVE RD
FM 1387

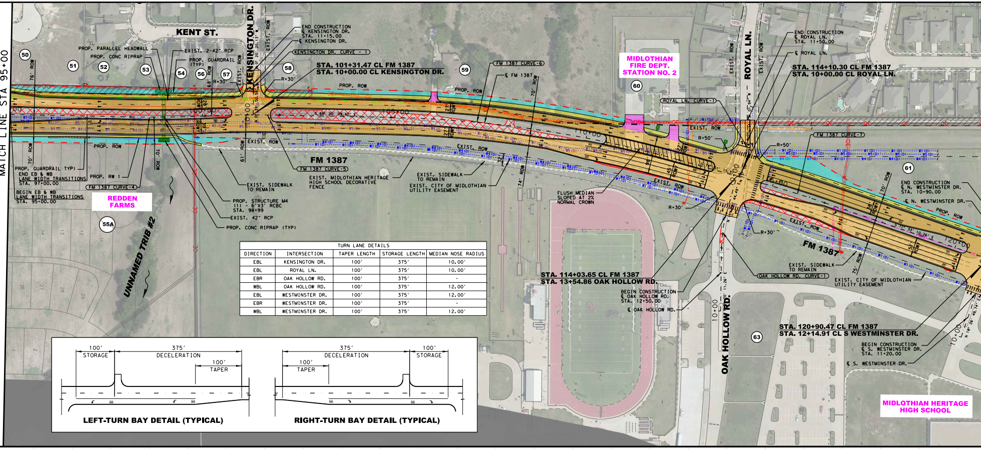
**LEGEND**
OPENING YEAR (202
DESIGN YEAR (204
PAVEMENT YEAR (20

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

## TRAFFIC LINE DIAGRAM [N.T.S.]

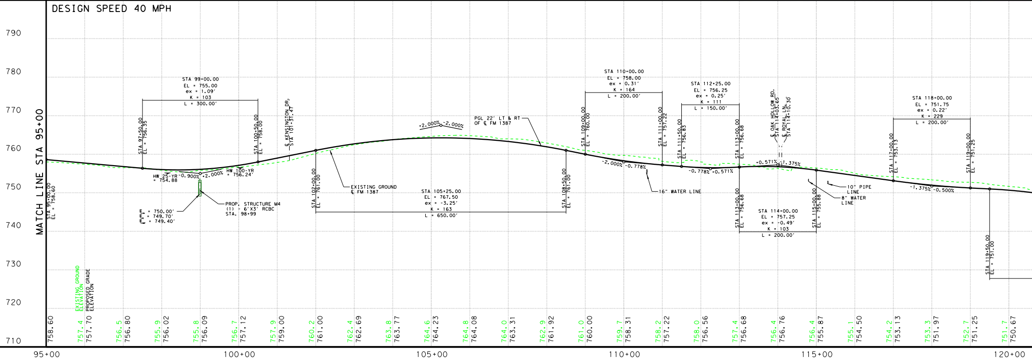
| PARCEL NO. | TAX ID | OWNER'S NAME | OWNER'S ADDRESS | CITY | STATE | ZIP | SITUS ADDRESS | ACRES | LEGAL DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|
| 50 | 261285 | GARZA PATRICIA A & HECTOR JR | 3242 LE MANNS ST | MIDLOTHIAN | TX | 76065 | 3242 LE MANNS ST MIDLOTHIAN, TX 76065 | 0.222 | LOT 4 BLK K WINDERMERE ESTATES .222 AC |
| 51 | 261286 | SMITH SHAWN & COBOS DEBORAH L | 502 DOVER DR | MIDLOTHIAN | TX | 76065-1347 | 502 DOVER DR MIDLOTHIAN, TX 76065 | 0.331 | LOT 5 BLK K WINDERMERE ESTATES 0.331 AC |
| 52 | 224843 | FAIRMAN AUSTIN C & KIMBERLY K KELLY | 3402 KENT ST | MIDLOTHIAN | TX | 76065 | 3402 KENT ST MIDLOTHIAN, TX 76065 | 0.31 | LOT 5 BLK 1 KENSINGTON PARK PH I 0.31 AC |
| 53 | 224852 | MOON DANIELLE E | 3406 KENT ST | MIDLOTHIAN | TX | 76065-8712 | 3406 KENT ST MIDLOTHIAN, TX 76065 | 0.182 | LOT 4 BLK 1 KENSINGTON PARK PH I 0.182 AC |
| 54 | 224851 | KNIGHT RONALD A | 3410 KENT ST | MIDLOTHIAN | TX | 76065 | 3410 KENT ST MIDLOTHIAN, TX 76065 | 0.172 | LOT 3 BLK 1 KENSINGTON PARK PH I 0.172 AC |
| 55 | 283850 | D2 REDDEN LLC | 15108 CANYON CREST | DALLAS | TX | 75248-4988 | FM 1387 MIDLOTHIAN, TX 76065 | 5.54 | 1188 F E WITHERSPOON 5.54 ACRES |
| 55A | 283847 | RF MIDLOTHIAN OWNER II LP | 2800 POST OAK BLVD STE 4800 | HOUSTON | TX | 77056 | FM 1387, MIDLOTHIAN, TX 76065 | 203.61 | |
| 56 | 224850 | SHELLEY MARGARET N L/E - GEORGE A KETCHAM & RENEE S | 3414 KENT ST | MIDLOTHIAN | TX | 76065 | 3414 KENT ST MIDLOTHIAN, TX 76065 | 0.172 | LOT 2 BLK 1 KENSINGTON PARK PH I 0.172 AC |
| 57 | 224856 | MC CLURE WILLIAM E & MARGARET E | 3418 KENT ST | MIDLOTHIAN | TX | 76065-8712 | 3418 KENT ST MIDLOTHIAN, TX 76065 | 0.196 | 1 1 KENSINGTON PARK PH I 0.196 ACRES |
| 58 | 224848 | BEHRING DAVID A | 321 BROWN TRAIL | HURST | TX | 76053 | 502 KENSINGTON DR MIDLOTHIAN, TX 76065 | 0.206 | LOT 1 BLK 3 KENSINGTON PARK PH I 0.206 AC |
| 59 | 198043 | MASSEY HERSHAL H JR | 3461 FM 1387 | MIDLOTHIAN | TX | 76065-5153 | 3461 FM 1387 MIDLOTHIAN, TX 76065 | 10.333 | 604 G KIRK; 1096 A W TUCKER 10.333 ACRES |
| 60 | 231332 | MIDLOTHIAN CITY OF | 104 W AVENUE E | MIDLOTHIAN | TX | 76065-2901 | FM 1387 MIDLOTHIAN, TX 76065 | 1.297 | LOT 1 BLK 1 MIDLOTHIAN FIRE DEPARTMENT 1.297 AC |
| 61 | 259463 | MARTHI RAGHUNATH & JYOTIRMAYEE PONNAPALLI | 805 GIVERNY LN | SOUTHLAKE | TX | 76092-1322 | FM 1387 MIDLOTHIAN, TX 76065 | 1.52 | LOT 3 MIDLOTHIAN HERITAGE HIGH SCHOOL 1.52 AC |
| 62 | 259462 | MIDLOTHIAN BUSINESS PARK | PO BOX 2363 | COPPELL | TX | 75019-8301 | FM 1387 MIDLOTHIAN, TX 76065 | 6.076 | LOT 2 MIDLOTHIAN HERITAGE HIGH SCHOOL 6.076 AC |
| 63 | 179271 | MIDLOTHIAN ISD | 100 WALTER STEPHENSON RD | MIDLOTHIAN | TX | 76065-3418 | 4000 FM 1387 MIDLOTHIAN, TX 76065 | 101.397 | LOT 1 MIDLOTHIAN HERITAGE HIGH SCHOOL 101.397 AC |
| 64 | 259280 | TEXAS DEPARTMENT OF TRANSPORTATION | 125 E 11TH ST | AUSTIN | TX | 78701 | S WALNUT GROVE RD MIDLOTHIAN, TX 76065 | 0.051 | LOT PT 1 OAK HOLLOW EST 0.051 AC |
| 65 | 153049 | FREEMAN JACK P III | 220 S WALNUT GROVE RD | MIDLOTHIAN | TX | 76065-6204 | 220 S WALNUT GROVE RD MIDLOTHIAN, TX 7606 | 2.189 | LOT PT 1 & 13 OAK HOLLOW EST #1 2.189 AC |
| 66 | 153040 | WIGINTON LEE G & BECKY | 131 CRESTBROOK CTT | MIDLOTHIAN | TX | 76065-5288 | 4220 FM 1387 MIDLOTHIAN, TX 76065 | 0.88 | LOT 2 OAK HOLLOW EST #1 .88 AC |
| 67 | 153041 | SHELDON LESLIE L & COLE | 4230 FM 1387 | MIDLOTHIAN | TX | 76065 | 4230 FM 1387 MIDLOTHIAN, TX 76065 | 0.98 | LOT 3 OAK HOLLOW EST #1 .98 AC |
| 68 | 153042 | KELLEY CHET & VANESSA | 4240 FM 1387 | MIDLOTHIAN | TX | 76065-5202 | 4240 FM 1387 MIDLOTHIAN, TX 76065 | 1.55 | LOT 4 OAK HOLLOW EST #1 1.55 AC |
| 69 | 153043 | ARTKOP GREGORY T | 4250 FM 1387 | MIDLOTHIAN | TX | 76065-5202 | 4250 FM 1387 MIDLOTHIAN, TX 76065 | 1.68 | LOT 5 OAK HOLLOW EST #1 1.68 AC |
| 70 | 153044 | MARIN EMILIANO & SUSANA | 4410 FM 1387 | MIDLOTHIAN | TX | 76065-5203 | 4410 FM 1387 MIDLOTHIAN, TX 76065 | 1.57 | LOT 6 OAK HOLLOW EST #1 1.57 AC |
| 71 | 153035 | PATRICIA MEDINA | 4420 FM 1387 | MIDLOTHIAN | TX | 76065 | 4420 FM 1387 MIDLOTHIAN, TX 76065 | 1.81 | LOT 7 OAK HOLLOW EST #1 1.81 AC |
| 72 | 153036 | MC MINN ALVIN STEVEN | 4430 FM 1387 | MIDLOTHIAN | TX | 76065-5203 | 4430 FM 1387 MIDLOTHIAN, TX 76065 | 1.87 | LOT 8 OAK HOLLOW EST #1 1.87 AC |
| 73 | 153037 | JENNINGS JEFFREY LEE | 4440 FM 1387 | MIDLOTHIAN | TX | 76065-5203 | 4440 FM 1387 MIDLOTHIAN, TX 76065 | 1.88 | LOT 9 OAK HOLLOW EST #1 1.88 AC |
| 74A | 189236 | MASSEY JERRY C ETAL | 1636 PLUM CREEK DR | MIDLOTHIAN | TX | 76065-3305 | FM 1387 MIDLOTHIAN, TX 76065 | 19.606 | 838 J POWERS 19.606 ACRES |
| 74B | 257354 | TEXAS DEPARTMENT OF TRANSPORTATION | 125 E 11TH ST | AUSTIN | TX | 78701 | N WALNUT GROVE RD MIDLOTHIAN, TX 76065 | 1.205 | 1311 R W TUCKER 1.205 ACRES |
| 74C | 275722 | CANTU-GONZALEZ JORGE & QUIROZ WENDY M E N | 501 MARIGOLD DR | MIDLOTHIAN | TX | 76065-3852 | 501 MARIGOLD DR MIDLOTHIAN, TX 76065 | 0.206 | LOT 40 BLK A MASSEY MEADOWS 0.206 AC |
| 74D | 275853 | EHRHARD DEBORAH | 502 ZINNIA LOOP | MIDLOTHIAN | TX | 76065 | 502 ZINNIA LOOP MIDLOTHIAN, TX 76065 | 0.259 | LOT 1 BLK G MASSEY MEADOWS 0.259 AC |
| 74E | 275854 | JOHNSON KENISHA & LARRY | 506 ZINNIA LP | MIDLOTHIAN | TX | 76065 | 506 ZINNIA LOOP MIDLOTHIAN, TX 76065 | 0.268 | LOT 2 BLK G MASSEY MEADOWS 0.268 AC |
| 74F | 275855 | WALKER MONTRALL & RHEATOSSIEA | 510 ZINNIA LOOP | MIDLOTHIAN | TX | 76065 | 510 ZINNIA LOOP MIDLOTHIAN, TX 76065 | 0.367 | LOT 3 BLK G MASSEY MEADOWS 0.367 AC |
| 74G | 275872 | MASSEY MEADOWS LLC | 411 N 8TH ST SUITE 100 | MIDLOTHIAN | TX | 76065 | MARIGOLD DR MIDLOTHIAN, TX 76065 | 0.039 | LOT 4 (COMMON AREA) MASSEY MEADOWS 0.039 AC |
| 74H | 275873 | MASSEY MEADOWS LLC | 411 N 8TH ST SUITE 100 | MIDLOTHIAN | TX | 76065 | MARIGOLD DR MIDLOTHIAN, TX 76065 | 0.093 | LOT 5 (COMMON AREA) MASSEY MEADOWS 0.093 AC |
| 75 | 153038 | TOBERNY DANIEL WM | P O BOX 1140 | MIDLOTHIAN | TX | 76065-1140 | 4450 FM 1387 MIDLOTHIAN, TX 76065 | 1.82 | LOT 10 OAK HOLLOW EST #1 1.82 AC |
| 76 | 193048 | GENTRY LINDA PAULINE TODD | 4451 FM 1387 | MIDLOTHIAN | TX | 76065-5230 | 4451 FM 1387 MIDLOTHIAN, TX 76065 | 1.94 | 1311 R W TUCKER 1.94 ACRES |
| 77A | 270485 | MASSEY MEADOWS LLC | 411 N 8TH ST SUITE 100 | MIDLOTHIAN | TX | 76065 | FM 1387 MIDLOTHIAN, TX 76065 | 48.402 | 838 J POWERS 48.402 ACRES |
| 77 | 193045 | REITZ R P B & REBECCA REVOCABLE LIVING TRUST | 4611 FM 1387 | MIDLOTHIAN | TX | 76065 | 4611 FM 1387 MIDLOTHIAN, TX 76065 | 4.04 | 1311 R W TUCKER 4.04 ACRES |
| 78 | 153039 | TOBERNY DANIEL WM | P O BOX 1140 | MIDLOTHIAN | TX | 76065-1140 | 4450 FM 1387 MIDLOTHIAN, TX 76065 | 2.69 | LOT 11-12 OAK HOLLOW EST #1 2.69 AC |
| 79 | 189241 | COOPER JAMES L | PO BOX 306 | MIDLOTHIAN | TX | 76065-0306 | 4650 FM 1387 MIDLOTHIAN, TX 76065 | 0.8199 | LOT 2 BLK 1 COOPER/ELLIOTT ADDN .8199 AC |
| 80 | 209476 | JOHNSTON WILLIAM H IV | 4660 FM 1387 | MIDLOTHIAN | TX | 76065 | 4660 FM 1387 MIDLOTHIAN, TX 76065 | 0.6691 | LOT 1 BLK 1 COOPER/ELLIOTT ADDN .6691 AC |
| 81 | 239037 | JOHNSON CHRISTOPHER & JENNIFER | 201 HIDDEN MEADOW CIR | MIDLOTHIAN | TX | 76065-5218 | 201 HIDDEN MEADOW CIR MIDLOTHIAN, TX 76065 | 0.7186 | LOT 1 BLK 1 HIDDEN MEADOW .7186 AC |
| 82 | 235505 | BLAIR THOMAS D | 437 HIDDEN MEADOW CIR | MIDLOTHIAN | TX | 76065-5217 | 437 HIDDEN MEADOW CIR MIDLOTHIAN, TX 7606 | 1.3025 | 18 1 HIDDEN MEADOW 1.3025 ACRES |
| 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 |
| 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 |

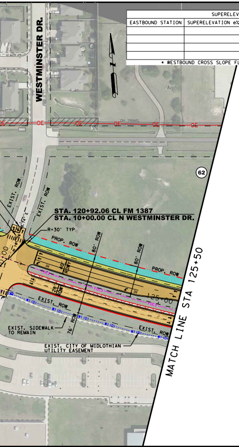
## PARCEL OWNER INFORMATION TABLE



MATCH LINE STA 95+00
KENT ST.
KENSINGTON DR.
ROYAL LN.
OAK HOLLOW RD.
FM 1387
UNNAMED TRIB #2
REDDEN FARMS
MIDLOTHIAN FIRE DEPT. STATION NO. 2
MIDLOTHIAN HERITAGE HIGH SCHOOL
50
51
52
53
54
55A
56
57
58
59
60
61
63
PROP. PARALLEL HEADWALL
PROP. CONC RIPRAP
EXIST. 2-42" RCP
PROP. GUARDRAIL (TYP)
END CONSTRUCTION ℄ KENSINGTON DR. STA. 11+15.00
℄ KENSINGTON DR.
KENSINGTON DR. CURVE - 1
STA. 101+31.47 CL FM 1387
STA. 10+00.00 CL KENSINGTON DR.
FM 1387 CURVE-6
℄ FM 1387
PROP. ROW
EXIST. ROW
76' ROW
70' ROW
69' ROW
61' ROW
74' ROW
75' ROW
R=30'
R=50'
PROP. GUARDRAIL (TYP)
END EB & WB LANE WIDTH TRANSITIONS STA. 97+00.00
BEGIN EB & WB LANE WIDTH TRANSITIONS STA. 95+00.00
PROP. RW 1
FM 1387 CURVE-4
FM 1387 CURVE-5
EXIST. SIDEWALK TO REMAIN
EXIST. MIDLOTHIAN HERITAGE HIGH SCHOOL DECORATIVE FENCE
EXIST. CITY OF MIDLOTHIAN UTILITY EASEMENT
PROP. STRUCTURE M4 (1) - 6'X3' RCBC STA. 98+99
EXIST. 42" RCP
PROP. CONC RIPRAP (TYP)
FLUSH MEDIAN SLOPED AT 2% NORMAL CROWN
ROYAL LN. CURVE-1
END CONSTRUCTION ℄ ROYAL LN. STA. 11+50.00
℄ ROYAL LN.
STA. 114+10.30 CL FM 1387
STA. 10+00.00 CL ROYAL LN.
FM 1387 CURVE-7
END CONSTRUCTION ℄ N. WESTMINSTER DR. STA. 10+90.00
℄ N. WESTMINSTER DR.
STA. 114+03.65 CL FM 1387
STA. 13+54.86 OAK HOLLOW RD.
BEGIN CONSTRUCTION ℄ OAK HOLLOW RD. STA. 12+50.00
℄ OAK HOLLOW RD.
OAK HOLLOW RD. CURVE-1
STA. 120+90.47 CL FM 1387
STA. 12+14.91 CL S WESTMINSTER DR.
BEGIN CONSTRUCTION ℄ S. WESTMINSTER DR. STA. 11+20.00
℄ S. WESTMINSTER DR.
100'
STORAGE
375'
DECELERATION
100'
TAPER
LEFT-TURN BAY DETAIL (TYPICAL)
375'
DECELERATION
100'
TAPER
100'
STORAGE
RIGHT-TURN BAY DETAIL (TYPICAL)

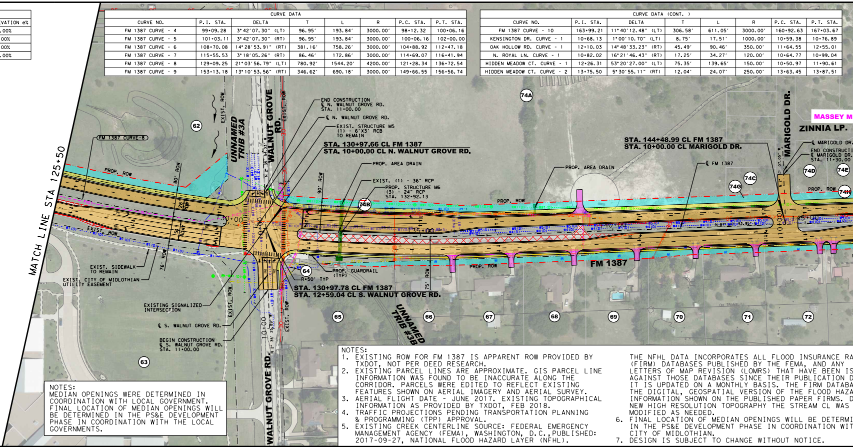
| TURN LANE DETAILS | | | | |
|---|---|---|---|---|
| DIRECTION | INTERSECTION | TAPER LENGTH | STORAGE LENGTH | MEDIAN NOSE RADIUS |
| EBL | KENSINGTON DR. | 100′ | 375′ | 10.00′ |
| EBL | ROYAL LN. | 100′ | 375′ | 10.00′ |
| EBR | OAK HOLLOW RD. | 100′ | 375′ | - |
| WBL | OAK HOLLOW RD. | 100′ | 375′ | 12.00′ |
| EBL | WESTMINSTER DR. | 100′ | 375′ | 12.00′ |
| EBR | WESTMINSTER DR. | 100′ | 375′ | - |
| WBL | WESTMINSTER DR. | 100′ | 375′ | 12.00′ |




WESTMINSTER DR.
62
EXIST. ROW
STA. 120+92.06 CL FM 1387
STA. 10+00.00 CL N WESTMINSTER DR.
R=30' TYP
PROP. ROW
80' ROW
28' ROW
EXIST. ROW
76' ROW
EXIST. SIDEWALK TO REMAIN
EXIST. CITY OF MIDLOTHIAN UTILITY EASEMENT
MATCH LINE STA 125+50

| SUPERELEVATION TABLE | | | |
|---|---|---|---|
| EASTBOUND STATION | SUPERELEVATION e% | WESTBOUND STATION | SUPERELEVATION e% |
| | | * 128+00.00 | -2.00% |
| | | * 129+90.00 | 2.00% |
| | | * 131+50.00 | 2.00% |
| | | * 133+30.00 | -2.00% |

* WESTBOUND CROSS SLOPE FLIP FOR SIDE STREET TIE-IN

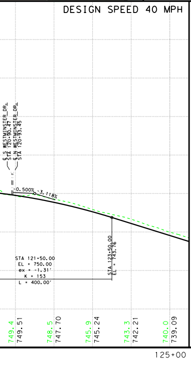

MATCH LINE STA 125+50
FM 1387 CURVE-8
PROP. ROW
62
UNNAMED TRIB #3A
WALNUT GROVE RD.
EXIST. ROW
END CONSTRUCTION
℄ N. WALNUT GROVE RD.
STA. 11+00.00
℄ N. WALNUT GROVE RD.
EXIST. STRUCTURE M5
(1) - 6'X3' RCB
TO REMAIN
STA. 130+97.66 CL FM 1387
STA. 10+00.00 CL N. WALNUT GROVE RD.
PROP. AREA DRAIN
EXIST. (1) - 36" RCP
PROP. STRUCTURE M6
(3) - 24" RCP
STA. 132+92.13
74A
74B
PROP. ROW
PROP. AREA DRAIN
STA. 144+48.99 CL FM 1387
STA. 10+00.00 CL MARIGOLD DR.
℄ FM 1387
74C
74G
MARIGOLD DR.
ZINNIA LP.
MASSEY M
℄ MARIGOLD DR.
END CONSTRUCTI
℄ MARIGOLD DR.
STA. 11+30.00
74D
74E
74H
EXIST. ROW
EXIST. SIDEWALK TO REMAIN
EXIST. CITY OF MIDLOTHIAN UTILITY EASEMENT
EXISTING SIGNALIZED INTERSECTION
℄ S. WALNUT GROVE RD.
BEGIN CONSTRUCTION
℄ S. WALNUT GROVE RD.
STA. 11+00.00
63
64
R=50' TYP
PROP. GUARDRAIL (TYP)
STA. 130+97.78 CL FM 1387
STA. 12+59.04 CL S. WALNUT GROVE RD.
75' ROW
90' ROW
80' ROW
FM 1387
UNNAMED TRIB #3B
WALNUT GROVE RD.
65
66
67
68
69
70
71
72

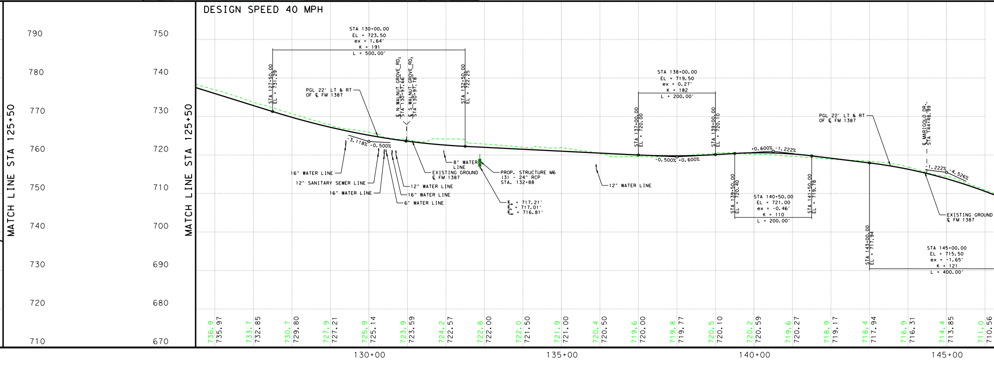
| CURVE DATA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CURVE NO. | P.I. STA. | DELTA | T | L | R | P.C. STA. | P.T. STA. |
| FM 1387 CURVE - 4 | 99+09.28 | 3°42'07.30" (LT) | 96.95' | 193.84' | 3000.00' | 98+12.32 | 100+06.16 |
| FM 1387 CURVE - 5 | 101+03.11 | 3°42'07.30" (RT) | 96.95' | 193.84' | 3000.00' | 100+06.16 | 102+00.00 |
| FM 1387 CURVE - 6 | 108+70.08 | 14°28'53.91" (RT) | 381.16' | 758.26' | 3000.00' | 104+88.92 | 112+47.18 |
| FM 1387 CURVE - 7 | 115+55.53 | 3°18'05.26" (RT) | 86.46' | 172.86' | 3000.00' | 114+69.07 | 116+41.94 |
| FM 1387 CURVE - 8 | 129+09.25 | 21°03'56.79" (LT) | 780.92' | 1544.20' | 4200.00' | 121+28.34 | 136+72.54 |
| FM 1387 CURVE - 9 | 153+13.18 | 13°10'53.56" (RT) | 346.62' | 690.18' | 3000.00' | 149+66.55 | 156+56.74 |

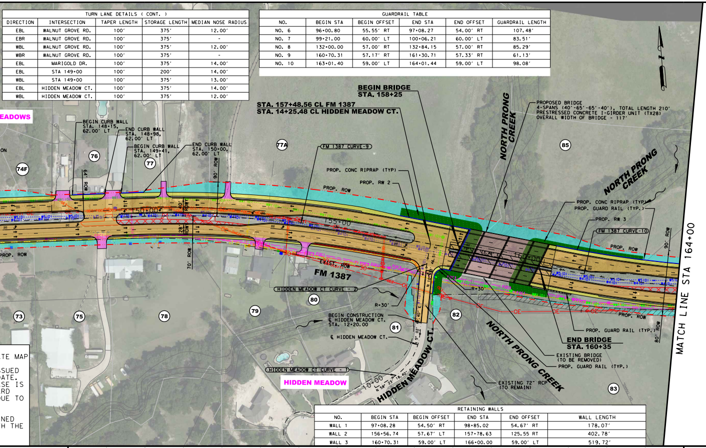
| CURVE DATA (CONT. ) | | | | | | | |
|---|---|---|---|---|---|---|---|
| CURVE NO. | P.I. STA. | DELTA | T | L | R | P.C. STA. | P.T. STA. |
| FM 1387 CURVE - 10 | 163+99.21 | 11°40'12.48" (LT) | 306.58' | 611.05' | 3000.00' | 160+92.63 | 167+03.67 |
| KENSINGTON DR. CURVE - 1 | 10+68.13 | 1°00'10.70" (LT) | 8.75' | 17.51' | 1000.00' | 10+59.38 | 10+76.89 |
| OAK HOLLOW RD. CURVE - 1 | 12+10.03 | 14°48'33.23" (RT) | 45.49' | 90.46' | 350.00' | 11+64.55 | 12+55.01 |
| N. ROYAL LN. CURVE - 1 | 10+82.02 | 16°21'46.43" (RT) | 17.25' | 34.27' | 120.00' | 10+64.77 | 10+99.04 |
| HIDDEN MEADOW CT. CURVE - 1 | 12+26.31 | 53°20'27.00" (LT) | 75.35' | 139.65' | 150.00' | 10+50.97 | 11+90.61 |
| HIDDEN MEADOW CT. CURVE - 2 | 13+75.50 | 5°30'55.11" (RT) | 12.04' | 24.07' | 250.00' | 13+63.45 | 13+87.51 |

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 RA
(FIRM) DATABASES PUBLISHED BY THE FEMA, AND ANY
LETTERS OF MAP REVISION (LOMRS) THAT HAVE BEEN IS
AGAINST THOSE DATABASES SINCE THEIR PUBLICATION D
IT IS UPDATED ON A MONTHLY BASIS. THE FIRM DATABA
THE DIGITAL, GEOSPATIAL VERSION OF THE FLOOD HAZA
INFORMATION SHOWN ON THE PUBLISHED PAPER FIRMS. D
NEW HIGH RESOLUTION TOPOGRAPHY THE STREAM CL WAS
MODIFIED AS NEEDED.
6. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMI
IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WIT
CITY OF MIDLOTHIAN.
7. DESIGN IS SUBJECT TO CHANGE WITHOUT NOTICE.





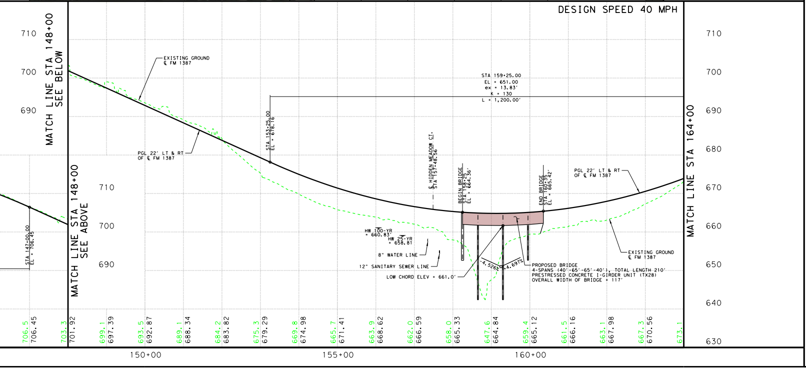

BEGIN BRIDGE
STA. 158+25
STA. 157+48.56 CL FM 1387
STA. 14+25.48 CL HIDDEN MEADOW CT.
EADOWS
BEGIN CURB WALL
STA. 148+15,
62.00' LT
END CURB WALL
STA. 148+98,
62.00' LT
BEGIN CURB WALL
STA. 149+41,
62.00' LT
END CURB WALL
STA. 150+00,
62.00' LT
FM 1387 CURVE-9
PROP. CONC RIPRAP (TYP)
PROP. RW 2
PROP. ROW
64' ROW
90' ROW
40' RDWY
28' RDWY
70' ROW
150+00
155+00
160+00
EXIST. ROW
FM 1387
HIDDEN MEADOW CT CURVE - 2
HIDDEN MEADOW CT CURVE - 1
HIDDEN MEADOW
HIDDEN MEADOW CT.
10+00
N 58° 23' 18.40" E
R=30'
BEGIN CONSTRUCTION
℄ HIDDEN MEADOW CT.
STA. 12+20.00
℄ HIDDEN MEADOW CT.
NORTH PRONG CREEK
PROPOSED BRIDGE
4-SPANS (40'-65'-65'-40'), TOTAL LENGTH 210'
PRESTRESSED CONCRETE I-GIRDER UNIT (TX28)
OVERALL WIDTH OF BRIDGE - 117'
PROP. CONC RIPRAP (TYP)
PROP. GUARD RAIL (TYP.)
PROP. RW 3
FM 1387 CURVE-10
END BRIDGE
STA. 160+35
EXISTING BRIDGE
(TO BE REMOVED)
EXISTING 72" RCP
(TO REMAIN)
MATCH LINE STA 164+00
80' ROW
73
74F
75
76
77
77A
78
79
80
81
82
83
85

TE MAP
SUED
ATE.
SE IS
RD
UE TO
NED
H THE

| TURN LANE DETAILS ( CONT. ) | | | | |
|---|---|---|---|---|
| DIRECTION | INTERSECTION | TAPER LENGTH | STORAGE LENGTH | MEDIAN NOSE RADIUS |
| EBL | WALNUT GROVE RD. | 100' | 375' | 12.00' |
| EBR | WALNUT GROVE RD. | 100' | 375' | - |
| WBL | WALNUT GROVE RD. | 100' | 375' | 12.00' |
| WBR | WALNUT GROVE RD. | 100' | 375' | - |
| EBL | MARIGOLD DR. | 100' | 375' | 14.00' |
| EBL | STA 149+00 | 100' | 200' | 14.00' |
| WBL | STA 149+00 | 100' | 375' | 13.00' |
| EBL | HIDDEN MEADOW CT. | 100' | 375' | 14.00' |
| WBL | HIDDEN MEADOW CT. | 100' | 375' | 12.00' |

| GUARDRAIL TABLE | | | | | |
|---|---|---|---|---|---|
| NO. | BEGIN STA | BEGIN OFFSET | END STA | END OFFSET | GUARDRAIL LENGTH |
| NO. 6 | 96+00.80 | 55.55' RT | 97+08.27 | 54.00' RT | 107.48' |
| NO. 7 | 99+21.00 | 60.00' LT | 100+06.21 | 60.00' LT | 83.51' |
| NO. 8 | 132+00.00 | 57.00' RT | 132+84.15 | 57.00' RT | 85.29' |
| NO. 9 | 160+70.31 | 57.17' RT | 161+30.71 | 57.33' RT | 61.13' |
| NO. 10 | 163+01.40 | 59.00' LT | 164+01.44 | 59.00' LT | 98.08' |

| RETAINING WALLS | | | | | |
|---|---|---|---|---|---|
| NO. | BEGIN STA | BEGIN OFFSET | END STA | END OFFSET | WALL LENGTH |
| WALL 1 | 97+08.28 | 54.50' RT | 98+85.02 | 54.67' RT | 178.07' |
| WALL 2 | 156+56.74 | 57.67' LT | 157+78.63 | 125.55 RT | 402.78' |
| WALL 3 | 160+70.31 | 59.00' LT | 166+00.00 | 59.00' LT | 519.72' |


DESIGN SPEED 40 MPH
MATCH LINE STA 148+00
SEE BELOW
MATCH LINE STA 148+00
SEE ABOVE
MATCH LINE STA 164+00
710
700
690
680
670
660
650
640
630
EXISTING GROUND
℄ FM 1387
PGL 22' LT & RT
OF ℄ FM 1387
STA 147+00.00
EL = 706.45
STA 153+25.00
EL = 678.16
STA 159+25.00
EL = 651.00
ex = 13.83'
K = 130
L = 1,200.00'
℄ HIDDEN MEADOW CT.
STA 157+48.56
BEGIN BRIDGE
STA 158+25
EL = 664.36'
END BRIDGE
STA 160+35
EL = 665.42'
HW 100-YR
= 660.83'
HW 25-YR
= 658.81
8" WATER LINE
12" SANITARY SEWER LINE
LOW CHORD ELEV = 661.0'
-4.526%
4.697%
PROPOSED BRIDGE
4-SPANS (40'-65'-65'-40'), TOTAL LENGTH 210'
PRESTRESSED CONCRETE I-GIRDER UNIT (TX28)
OVERALL WIDTH OF BRIDGE = 117'
706.5
706.45
703.3
701.92
699.1
697.39
693.5
692.87
689.1
688.34
684.2
683.82
675.3
679.29
669.8
674.98
665.7
671.41
663.9
668.62
662.0
666.59
658.0
665.33
647.6
664.84
659.4
665.12
661.5
666.16
663.1
667.98
667.3
670.56
673.1
150+00
155+00
160+00

**Texas Department of Transportation**

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

# FM 1387
# 60% DESIGN SCHEMATIC

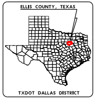
ELLIS COUNTY, TEXAS
FROM NORTH MIDLOTHIAN PARKWAY TO FM 664
CSJ: 1394-02-027
LENGTH: 5.84 MILES
**DATED: MARCH 2023**

| 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

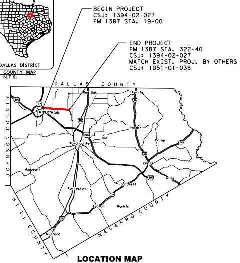
| | |
|---|---|
| ROLL 1 OF 8: | PLAN & PROFILE VIEW STA. 19+00 TO STA. 95+00 |
| ROLL 2 OF 8: | PLAN & PROFILE VIEW STA. 95+00 TO STA. 164+00 |
| ROLL 3 OF 8: | PLAN & PROFILE VIEW STA. 164+00 TO STA. 228+00 |
| ROLL 4 OF 8: | PLAN & PROFILE VIEW STA. 228+00 TO STA. 286+00 |
| ROLL 5 OF 8: | PLAN & PROFILE VIEW STA. 286+00 TO STA. 322+40 |
| ■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


ELLIS COUNTY, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

## ROLL 2 OF 8


BEGIN PROJECT
CSJ: 1394-02-027
FM 1387 STA. 19+00
END PROJECT
FM 1387 STA. 322+40
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
Crisp
Ike
Ennis
Maypearl
Bardwell
Alma
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 | 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 |
| EXISTING 100-YEAR FLOODPLAIN | METAL BEAM GUARD FENCE (MBGF) |
| CURB WALL | |

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 | 03/30/2023 |

GARVER
3010 GAYLORD PARKWAY
SUITE 190
FRISCO, TX 75034

FIRM REGISTRATION NO. 5713