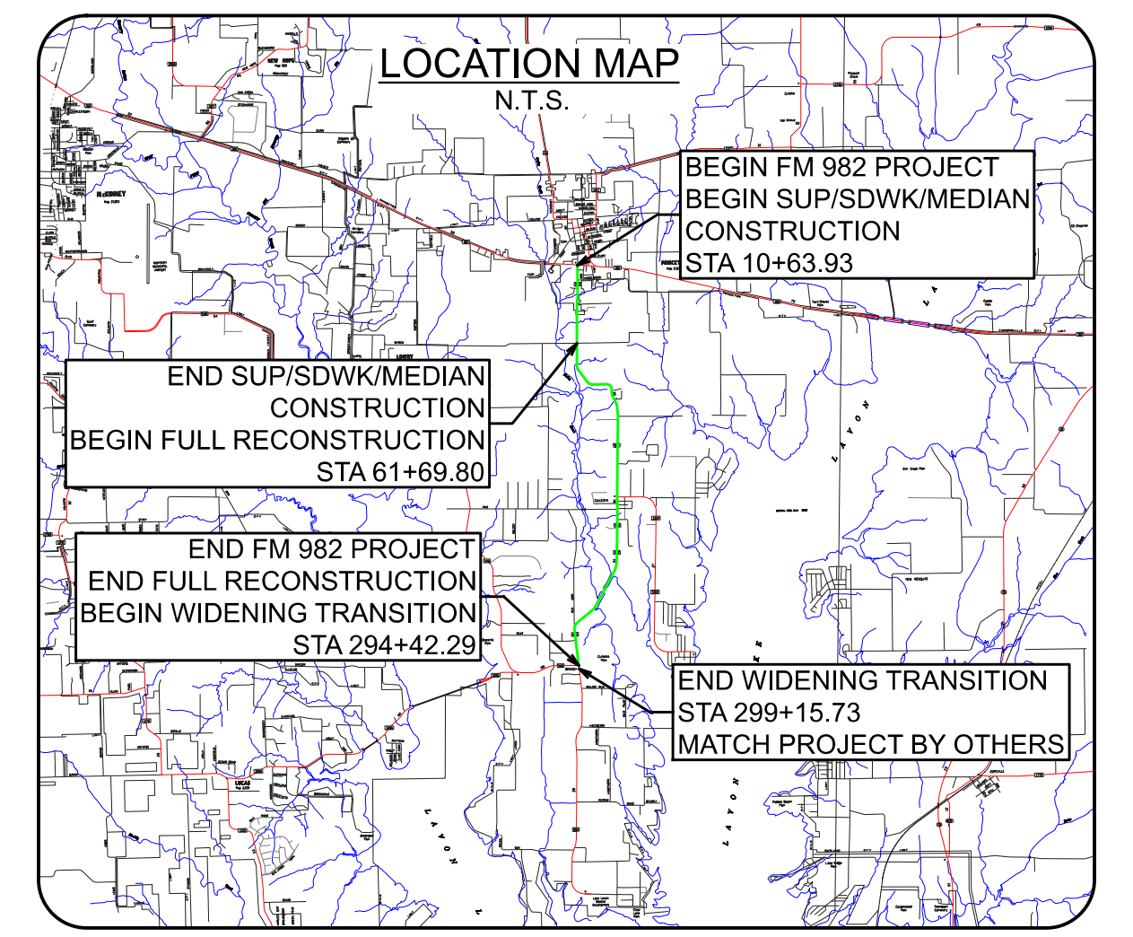
TEXAS DEPARTMENT OF TRANSPORTATION®
DALLAS DISTRICT
CEASON CLEMENS, P.E., DISTRICT ENGINEER

# FM 982 PROJECT
60% DESIGN SCHEMATIC
FROM US 380 TO FM 546
RECONSTRUCT AND WIDEN
FROM 2 LANES TO 4 LANES
COLLIN COUNTY, TEXAS
CSJ: 0387-05-027

DECEMBER 2025
ROLL 3 OF 4

| | | |
|---|---|---|
| PROJECT LENGTH: | 5.375 MILES | |
| AVERAGE DAILY TRAFFIC: | 11,867 (2022)<br>21,600 (2055) | |
| TERRAIN TYPE: | LEVEL | |
| **ROADWAY** | **FUNCTION CLASS** | **DESIGN SPEEDS** |
| FM 982: | MAJOR COLLECTOR | 45 MPH |
| CO RD 452: | LOCAL | 30 MPH |
| MYRICK LN: | LOCAL | 30 MPH |
| FM 3364: | MAJOR COLLECTOR | 30 MPH |
| CO RD 392: | MAJOR COLLECTOR | 30 MPH |
| FM 546: | MAJOR COLLECTOR | 30 MPH |
| ALL OTHER CROSS STREETS: | LOCAL | MOIEC |

(X) MEET OR IMPROVE EXISTING CONDITIONS

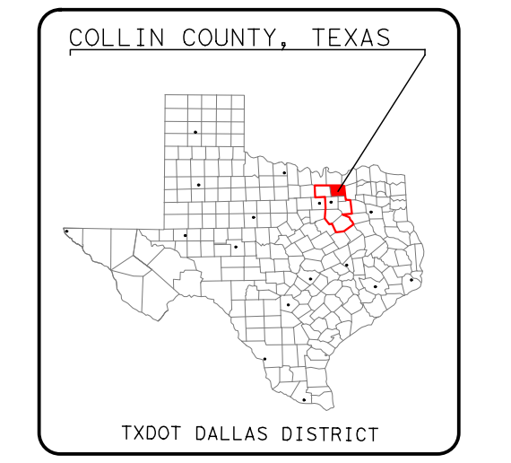

LOCATION MAP
N.T.S.

BEGIN FM 982 PROJECT
BEGIN SUP/SDWK/MEDIAN
CONSTRUCTION
STA 10+63.93

END SUP/SDWK/MEDIAN
CONSTRUCTION
BEGIN FULL RECONSTRUCTION
STA 61+69.80

END FM 982 PROJECT
END FULL RECONSTRUCTION
BEGIN WIDENING TRANSITION
STA 294+42.29

END WIDENING TRANSITION
STA 299+15.73
MATCH PROJECT BY OTHERS


COLLIN COUNTY, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

0 10 20 30 40
VERTICAL SCALE: 1" = 20'

0 100 200 300 400
HORIZONTAL SCALE: 1" = 200'

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

| NAME | P.E. NO. | DATE |
|---|---|---|
| JEREMY W. MCGAHAN | 103650 | 12/09/2025 |
| BEN CLAESSENS | 133902 | 12/09/2025 |

HALFF ASSOCIATES, INC.
TBPE FIRM #F-312

halff
1201 NORTH BOWSER ROAD
RICHARDSON, TEXAS 75081-2275
TEL (214) 346-6200
FAX (214) 739-0095

DATE SUBMITTED: DECEMBER 9, 2025
DATE APPROVED:

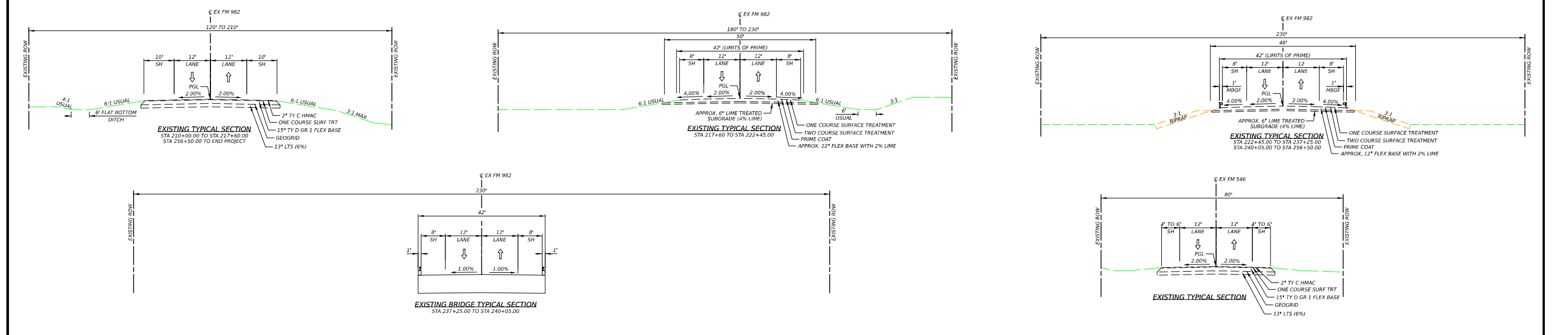
## LEGEND:

| | |
|---|---|
| — — — | EXISTING ROW |
| — — — | PROPOSED ROW |
| — — — | ROW BY OTHERS |
| —— | CITY BOUNDARY |
| —— | EXISTING PROPERTY LIMITS |
| 100 | PARCEL ID |
| 100 | CURVE ID |
| ═══ | EXISTING CULVERT |
| ═══ | PROPOSED CULVERT |
| ▬ | FEMA FLOODWAY LIMITS |
| — - — | PROPOSED CENTERLINE |
| —— | PROPOSED EDGE OF PAVEMENT |
| —— | PROPOSED BRIDGE RAIL |
| —— | PROPOSED BRIDGE BENT/ABUTMENT |
| —— | PROPOSED RETAINING WALL |
| —— | PROPOSED PROJECT BY OTHERS |
| → | DIRECTION OF TRAVEL |
| 🚦 | EXISTING SIGNAL |
| ▬ | PROPOSED PAVEMENT |
| ▬ | PROPOSED SHARED USE PATH |
| ▬ | PROPOSED SIDEWALK |
| ▬ | POTENTIAL DISPLACEMENT |
| ▬ | PROPOSED BRIDGE |
| ▬ | PROPOSED CROSS STREET |
| ▬ | PROPOSED RAISED MEDIAN |
| ▬ | PROPOSED DRIVEWAY |
| ▨ | PAVEMENT/BRIDGE TO BE REMOVED |
| ▨ | DRIVEWAY TO BE REMOVED |
| ▬ | PROPOSED PAVEMENT BY OTHERS |
| — - — | EXISTING WATER |
| — - — | EXISTING FIBER OPTIC |
| — - — | EXISTING TELEPHONE / CABLE |
| — - — | EXISTING UNDERGROUND ELECTRIC |
| —— | EXISTING OVERHEAD ELECTRIC |
| — - — | EXISTING WASTEWATER |
| — - — | EXISTING GAS LINE |

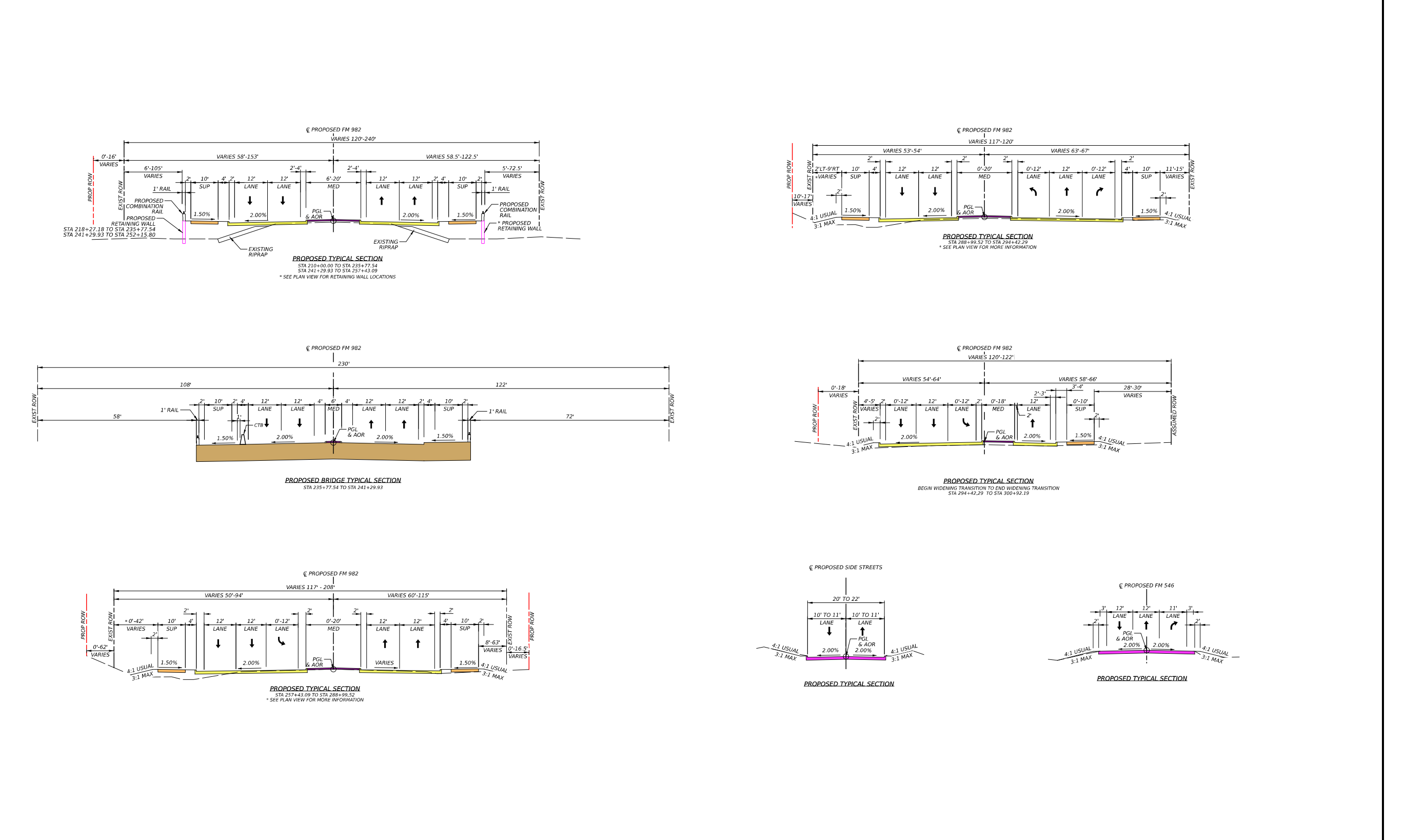
## GENERAL NOTES:

1. THE SCHEMATIC LAYOUTS ARE BASED ON LIMITED FIELD SURVEY, AERIAL TOPOGRAPHY AND RECORD PLANS. NOT ALL EXISTING FEATURES WERE FIELD SURVEYED. AERIAL TOPOGRAPHY DATA WAS COLLECTED IN FEBRUARY 2024.
2. PARCEL LIMITS AND OWNERSHIP INFORMATION WERE COLLECTED FROM COLLIN COUNTY APPRAISAL DISTRICT (FEBRUARY 2024).
3. ALL CURBS ARE TYPE II (UNLESS NOTED). DIMENSIONS ARE TO EDGE OF UNCURBED PAVEMENT OR NOMINAL FACE OF RAIL/CURB/BARRIER (UNLESS NOTED).
4. SUPERELEVATION TRANSITIONS WHERE NECESSARY ARE LINEAR WITH THE AXIS OF ROTATION LOCATED AT THE PGL.
5. THE SPECIFIC TYPE OF BRIDGE RAIL WILL BE DETERMINED DURING PS&E DESIGN.
6. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) WILL NOT BE DEVELOPED UNTIL PS&E DESIGN.
7. AVERAGE DAILY TRAFFIC VOLUME PROJECTIONS APPROVED BY TxDOT TP&P APPROVAL.
8. MAJOR INTERSECTION CURVE RADII ARE 50', MINOR INTERSECTION CURVE RADII ARE 30', AND DRIVEWAY INTERSECTION CURVE RADII ARE 15' (UNLESS NOTED OTHERWISE). DRIVEWAY CURVE RADII ON LOCAL STREETS WILL MATCH EXISTING CONDITIONS. DRIVEWAY LOCATIONS ARE PRELIMINARY AND WILL BE FURTHER DEVELOPED DURING PS&E DESIGN.
9. MEDIAN OPENINGS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL MEDIAN OPENING LOCATIONS TO BE DETERMINED DURING PS&E AND IN COORDINATION WITH THE LOCAL GOVERNMENTS.
10. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN LIMITS OF PROPOSED RECONSTRUCTION WILL BE REMOVED (UNLESS NOTED OTHERWISE).
11. APPROXIMATE 100 YEAR FLOOD PLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS (EFF. 6/2/2009) 48085C0295J, 48085C0290J, 48085C0410J, 48085C0405J DATED FEBRUARY 2024.
12. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
13. 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.

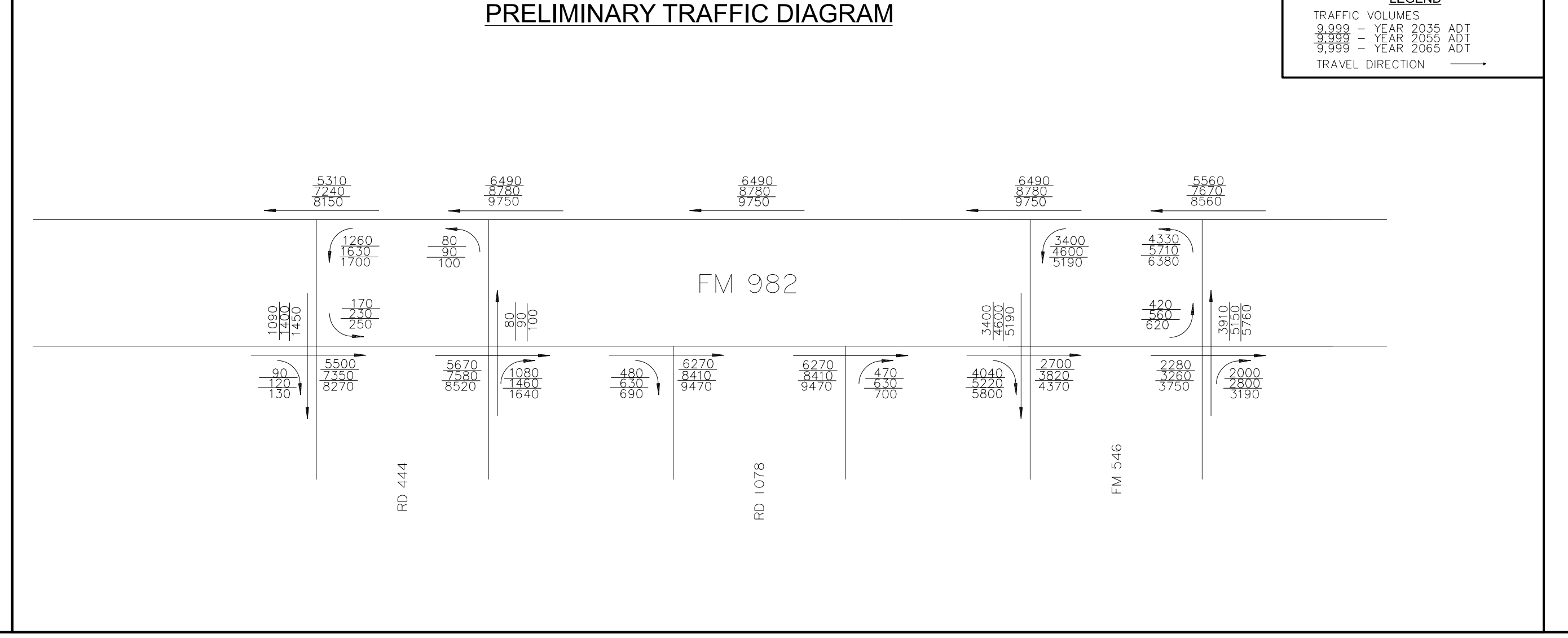
## EXISTING TYPICAL SECTIONS



## PROPOSED TYPICAL SECTIONS



## PRELIMINARY TRAFFIC DIAGRAM



TYPICAL TURN BAY DETAIL

| LEFT TURN LANE | DECELERATION LENGTH (FT) |
|---|---|
| NB-WB CR 444 | 350 |
| SB-EB CR 1078 | 350 |
| SB-EB FM 546 | 350 |
| NB-WB FM 546 | 357 |

100' FOR SINGLE
340' DECELERATION (UNLESS NOTED OTHERWISE)
100' MIN STORAGE
30' MIN STORAGE

60% DRAFT
Preliminary, Subject to Change

## PFM982 - PROPOSED FM 982 CENTERLINE (45 MPH)

## PROPERTY OWNERS

| MAP ID | OWNER | PROPERTY ADDRESS |
|---|---|---|
| 227 | HATAMI MANOUCHEHR | PRINCETON, TX 75407 |
| 228 | RODRIGUEZ-JUAREZ DANIEL dba ALL BROTHERS CONSTRUCTION | 3785 FM 982 PRINCETON, TX 75407 |
| 229 | USA | |
| 230 | DONAGHEY JOHN E | PRINCETON, TX 75407 |
| 231 | WHITACRE PAUL FRED | 3882 FM 982 PRINCETON, TX 75407 |
| 232 | JANECEK THOMAS R | 3947 FM 982 PRINCETON, TX 75407 |
| 233 | USA | |
| 234 | USA | PRINCETON, TX 75407 |
| 235 | USA | |
| 236 | USA | |
| 237 | USA | |
| 238 | USA | |
| 239 | USA | |
| 240 | USA | |
| 241 | CALDWELL DURRIE L | 4628 FM 982 PRINCETON, TX 75407 |
| 242 | USA | FM 982 PRINCETON, TX 75407 |
| 243 | LOVENDAHL SUSAN | 4666 FM 982 PRINCETON, TX 75407 |
| 244 | SONG JAE NAM & HEI BONG - LE BUM HO SONG | 4688 FM 982 PRINCETON, TX 75407 |
| 245 | DELEON LAZARO & MARTHA DELEON | 4359 COUNTY ROAD 444 PRINCETON, TX 75407 |
| 246 | PUTCHIO RICK | 4647 FM 982 PRINCETON, TX 75407 |
| 247 | WARD JAMES C | 4388 COUNTY ROAD 444 PRINCETON, TX 75407 |
| 248 | PUTCHIO RICK | FM 982 PRINCETON, TX 75407 |
| 249 | MCADAMS VICKY | 4677 FM 982 PRINCETON, TX 75407 |
| 250 | AZAMI SURAIA | 4720 FM 982 PRINCETON, TX 75407 |
| 251 | SEMONS MARGARET ANN & TIMOTHY ALBERT SEMONS | 4453 COUNTY ROAD 444 PRINCETON, TX 75407 |
| 252 | OWNER OF RECORD | 4402 COUNTY ROAD 444 PRINCETON, TX 75407 |
| 253 | LAIRD JERRY E & DONNA | COUNTY ROAD 444 PRINCETON, TX 75407 |
| 254 | GUZZARDI RACHEL | 4496 COUNTY ROAD 444 PRINCETON, TX 75407 |
| 255 | PUTCHIO RICK | 4703 FM 982 PRINCETON, TX 75407 |
| 256 | CIRCLE BBRSE LLC | 4798 FM 982 PRINCETON, TX 75407 |
| 257 | CHHEANG FENG & VOEUNG YIP & YEK CHAU | FM 982 PRINCETON, TX 75407 |
| 258 | LIANG GANG | 4810 FM 982 PRINCETON, TX 75407 |
| 259 | TRISTAN PEDRO SANCHEZ & MARIA C ALMENDAREZ | 4832 FM 982 PRINCETON, TX 75407 |
| 260 | CHHEANG FENG & LAVON DONUTS VOEUNG YIP & YEK CHAU | 4813 FM 982 PRINCETON, TX 75407 |
| 261 | TRISTAN PEDRO & MARIA CONCEPCION ALMENDAREZ MIRELES DE TRISTAN | 4852 FM 982 PRINCETON, TX 75407 |
| 262 | ALLEN GWENDOL L & DARLIS | 4872 FM 982 PRINCETON, TX 75407 |
| 263 | CHAVIRA GLORIA GONZALES & GUADALUPE | 4910 FM 982 PRINCETON, TX 75407 |
| 264 | CHAVIRA GUADALUPE | 4918 FM 982 PRINCETON, TX 75407 |
| 265 | WHITACRE FRED & JULIE ALLEN WHITEACRE STORAGE | 4939 FM 982 PRINCETON, TX 75407 |
| 266 | MORMINO CAROL A | 4970 FM 982 PRINCETON, TX 75407 |
| 267 | HIBDON JAMES & ANNA WILSON | 4990 FM 982 PRINCETON, TX 75407 |
| 268 | DAVIS VICKIE | 4995 FM 982 PRINCETON, TX 75407 |
| 269 | LANE BENJAMIN T | 5004 FM 982 PRINCETON, TX 75407 |
| 270 | PARKER MICHELLE & PARKER LINDA | 5038 FM 982 PRINCETON, TX 75407 |
| 271 | BROWN PATRICIA JOAN | |
| 272 | VALENZUELA FERNANDO | 5046 FM 982 PRINCETON, TX 75407 |
| 273 | GOWEN RICHARD L | 5102 FM 982 PRINCETON, TX 75407 |
| 274 | CORRELL WILLARD PAUL SR & BOBBIE JEAN | 5112 FM 982 PRINCETON, TX 75407 |
| 275 | HOMEPRO INC | 5099 FM 982 PRINCETON, TX 75407 |
| 276 | MOSELEY BRENDA ETHEL - LE KEVIN BOB MOSELEY | 5159 FM 982 PRINCETON, TX 75407 |
| 277 | TOBIAS ELISEO & BELEM | 5134 FM 982 PRINCETON, TX 75407 |
| 278 | GUERREROARZOLA FABIAN | 5172 FM 982 PRINCETON, TX 75407 |
| 279 | TENNELL RALPH KRIS | 5182 FM 982 PRINCETON, TX 75407 |
| 280 | PRINCETON CITY OF BRANCH VOLUNTEER FIRE DEPT | 7777 FM 546 PRINCETON, TX 75407 |
| 281 | PRINCETON CITY OF | |
| 282 | KIM KYONG H | |
| 283 | BURCH R & M REVOCABLE TRUST | 7720 FM 546 PRINCETON, TX 75407 |
| 284 | XIAO LITONG | 10271 COUNTRY TIME RD PRINCETON, TX 75407 |
| 285 | TAPIA FRANCISCO | 10193 COUNTRY TIME RD PRINCETON, TX 75407 |
| 286 | PALACIOS O LIDIA | 10231 COUNTRY TIME RD PRINCETON, TX 75407 |
| 287 | NO BAD DAYS LLC | 5353 FM 982 PRINCETON, TX 75407 |
| 288 | MCGEE DAVID FATHOL | 10198 COUNTRY TIME RD PRINCETON, TX 75407 |
| 289 | XIAO LIANG & WEI DONG XU & YAN CHEN & SUMIN FAN | 10266 COUNTRY TIME RD PRINCETON, TX 75407 |
| 290 | SHERRITT DUSTIN & SILVIA | 10230 COUNTRY TIME RD PRINCETON, TX 75407 |
| 291 | REYES JULIO A & IRMA C REYES & ESMERALDA REYES | 10269 ELLIS RD PRINCETON, TX 75407 |
| 292 | LORIA SAM A & JANICE W | 10231 ELLIS RD PRINCETON, TX 75407 |
| 293 | ESTRADA JOSE MANUEL NOGUEZ & YASMIN ARRIAGA GUZMAN | 10230 ELLIS RD PRINCETON, TX 75407 |
| 294 | HAUMPY ALFRED & STACY | 10268 ELLIS RD PRINCETON, TX 75407 |

## HORIZONTAL CURVE DATA

| CURVE ID | BASELINE | CURVE | P.I. STATION | P.I. STATION - N | P.I. STATION - E | DELTA | RADIUS (FT) | DEGREE | TANGENT (FT) | LENGTH (FT) | P.C. STATION | P.T. STATION | BACK TANGENT | AHEAD TANGENT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | PFM982 (45 MPH) | PFM982-16 | 222+36.60 | N 7,097,193.163 | E 2,583,419.710 | 30° 02' 30.95" (RT) | 1,100.00 | 5° 12' 31.35" | 295.18 | 576.76 | 219+41.43 | 225+18.19 | S 1° 04' 03.57" W | S 31° 06' 34.52" W |
| 31 | | PFM982-17 | 253+85.58 | N 7,094,485.433 | E 2,581,785.684 | 21° 20' 29.80" (RT) | 1,100.00 | 5° 12' 31.35" | 207.27 | 409.73 | 251+78.32 | 255+88.05 | S 31° 06' 34.52" W | S 52° 27' 04.32" W |
| 32 | | PFM982-18 | 269+10.25 | N 7,093,553.315 | E 2,580,573.064 | 58° 44' 23.28" (LT) | 810.00 | 7° 04' 24.79" | 455.85 | 830.41 | 264+54.40 | 272+84.82 | S 52° 27' 04.32" W | S 6° 17' 18.97" E |
| 33 | | PFM982-19 | 294+36.74 | N 7,090,961.236 | E 2,580,858.711 | 2° 53' 16.15" (RT) | 3,000.00 | 1° 54' 35.49" | 75.62 | 151.21 | 293+61.12 | 295+12.32 | S 6° 17' 18.97" E | S 3° 24' 02.82" E |
| 34 | | PFM982-20 | 296+22.47 | N 7,090,775.800 | E 2,580,869.730 | 2° 17' 58.90" (LT) | 3,000.00 | 1° 54' 35.49" | 60.21 | 120.41 | 295+62.25 | 296+82.67 | S 3° 24' 02.82" E | S 5° 42' 01.72" E |
| 35 | PFM982NBT_2 (45 MPH) | PFM982NBT_2-1 | 222+29.84 | N 7,097,199.706 | E 2,583,431.834 | 30° 02' 30.95" (RT) | 1,100.00 | 5° 12' 31.35" | 295.18 | 576.76 | 219+34.66 | 225+11.42 | S 1° 04' 03.57" W | S 31° 06' 34.52" W |
| 36 | PFM982NBT_3 (45 MPH) | PFM982NBT_3-1 | 254+00.55 | N 7,094,468.924 | E 2,581,783.897 | 21° 20' 29.80" (RT) | 1,100.00 | 5° 12' 31.35" | 207.27 | 409.73 | 251+93.28 | 256+03.01 | S 31° 06' 34.52" W | S 52° 27' 04.32" W |
| 37 | PFM982NBT_4 (45 MPH) | PFM982NBT_4_01 | 290+24.55 | N 7,091,372.261 | E 2,580,825.488 | 4° 3' 08.16" (LT) | 2,000.00 | 2° 51' 53.24" | 70.75 | 141.45 | 289+53.79 | 290+95.24 | S 10° 20' 27.13" E | S 6° 17' 18.97" E |
| 38 | | PFM982NBT_4_02 | 291+66.00 | N 7,091,233.050 | E 2,580,850.890 | 4° 3' 08.16" (RT) | 2,000.00 | 2° 51' 53.24" | 70.75 | 141.45 | 290+95.24 | 292+36.69 | S 6° 17' 18.97" E | S 10° 20' 27.13" E |
| 39 | | PFM982NBT_4_03 | 298+39.78 | N 7,090,563.265 | E 2,580,924.700 | 9° 7' 18.45" (RT) | 1,100.00 | 5° 12' 31.35" | 87.75 | 175.13 | 297+52.03 | 299+27.15 | S 177° 10' 00.51" W | S 6° 17' 18.97" E |
| 40 | | PFM982NBT_4_04 | 300+10.62 | N 7,090,392.260 | E 2,580,916.237 | 8° 40' 42.31" (LT) | 1,100.00 | 5° 12' 31.35" | 83.47 | 166.61 | 299+27.15 | 300+93.77 | S 5° 50' 42.82" E | S 177° 10' 00.51" W |
| 41 | PFM982SBT_2 (45 MPH) | PFM982SBT_2-1 | 222+43.45 | N 7,097,186.621 | E 2,583,407.586 | 30° 02' 30.95" (RT) | 1,100.00 | 5° 12' 31.35" | 295.18 | 576.76 | 219+48.27 | 225+25.03 | S 1° 04' 03.57" W | S 31° 06' 34.52" W |
| 42 | PFM982SBT_3 (45 MPH) | PFM982SBT_3-1 | 253+70.53 | N 7,094,501.942 | E 2,581,787.471 | 21° 20' 29.80" (RT) | 1,100.00 | 5° 12' 31.35" | 207.27 | 409.73 | 251+63.26 | 255+72.99 | S 31° 06' 34.52" W | S 52° 27' 04.32" W |
| 43 | PCR444 (20 MPH) | PCR444-1 | 12+40.13 | N 7,093,591.267 | E 2,580,593.808 | 65° 38' 26.96" (LT) | 150.00 | 38° 11' 49.87" | 96.74 | 171.85 | 11+43.38 | 13+15.23 | S 1° 23' 08.95" W | S 64° 15' 18.02" E |

SUPERELEVATION SIGN CONVENTION
℄/Ⓑ

| | |
|---|---|
| (−) | (+) |
| (+) | (−) |

## SUPERELEVATION DATA

| BASELINE | BEGIN TRANSITION | | END TRANSITION | |
|---|---|---|---|---|
| | STA | e | STA | e |
| PFM982 SB (45 MPH) | 261+53.00 | -2.00% | 264+26.00 | 2.00% |
| | 284+74.00 | 2.00% | 286+78.00 | -2.00% |

TEXAS DEPARTMENT OF TRANSPORTATION®
DALLAS DISTRICT
CEASON CLEMENS, P.E., DISTRICT ENGINEER

FM 982 PROJECT
60% DESIGN SCHEMATIC
FROM US 380 TO FM 546
RECONSTRUCT AND WIDEN
FROM 2 LANES TO 4 LANES
COLLIN COUNTY, TEXAS
CSJ: 0387-05-027

DECEMBER 2025
ROLL 3 OF 4

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