Texas Department of Transportation
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AECOM
13355 NOEL ROAD
SUITE 400
DALLAS, TEXAS 75240
214-741-7777
TBPE NO. F-3580

TEXAS DEPARTMENT OF TRANSPORTATION
DALLAS DISTRICT
DESIGN SCHEMATIC
JAMES K. SELMAN, P.E., DISTRICT ENGINEER
COLLIN COUNTY

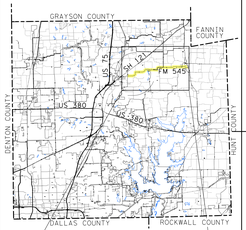
FM 545
PROJECT LIMIT: FM 2933 TO BS-78D
CONTROL: 1012-02-030
PROJECT LENGTH = 9.09 MI. (48,001.08 FT)
EXCEPTION = 1.69 MI. (8,939.97 FT)

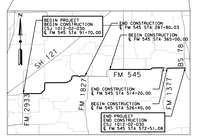
CROSS STREETS
ROLL 1 OF 8: FM 2933 & CR 415
ROLL 2 OF 8: CR 416
ROLL 3 OF 8: CR 472 & CR 1095
ROLL 4 OF 8: CR 475
ROLL 5 OF 8: FM 2862
ROLL 6 OF 8: CR 575 & FM 1377

FUNCTIONAL CLASS
FM 545:RURAL MAJOR COLLECTOR
FM CROSS STREETS:COLLECTOR MINOR
CR CROSS STREETS: LOCAL

CONSTR LENGTH = 7.4 MI. (39,061.11 FT)

DESIGN SPEED
FM 545: 50 MPH
FM 545: 45 MPH (STA 136+58 TO STA 159+89)
FM CROSS STREETS: 40 MPH
CR CROSS STREETS: 30 MPH




LOCATION MAP (NTS)

PREPARED BY AECOM TECHNICAL SERVICES INC. TBPE NUMBER 3580
FOR INTERIM REVIEW ONLY. NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the Direct Supervision of:

SRIKRISHNA PERAVALLY 84770 — PE NUMBER
BRAD HERNANDEZ 120029 — P.E. NUMBER

SCALE IN FEET 0' 200' 400'

APPROVED APRIL 30, 2018

ROLL 7 OF 8

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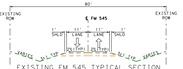
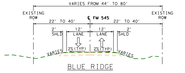
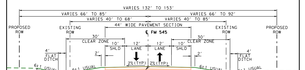


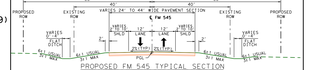

EXISTING FM 545 TYPICAL SECTION
STA. 526+00 TO 537+00
N.T.S.



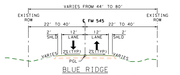

BLUE RIDGE
EXISTING TYPICAL SECTION
STA. 537+00 TO STA 572+51.08
N.T.S.




PROPOSED FM 545 TYPICAL SECTION
STA. 526+40 TO STA 534+00
N.T.S.




PROPOSED FM 545 TYPICAL SECTION
STA. 534+00 TO STA 536+00
N.T.S.



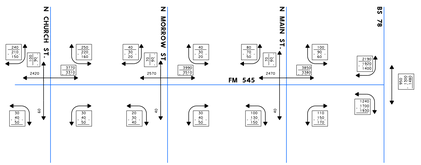

BLUE RIDGE
OVERLAY TYPICAL SECTION
STA. 536+00 TO STA 572+51.08
N.T.S.

LEGEND:

- PROPOSED ROW
- EXISTING FM 545 ROW
- EXISTING CROSS STREETS ROW
- DRAINAGE EASEMENT
- NTMWD MITIGATION BOUNDARY
- PROPERTY LINE
- PARCEL IDENTIFICATION NUMBER
- DIRECTION OF TRAFFIC
- FLOW LINES FOR STREAM/CREEK
- FEMA FLOOD PLAIN
- PAVEMENT EDGE
- METAL BEAM GUARD FENCE
- EXISTING DRAINAGE STRUCTURES
- PROPOSED DRAINAGE STRUCTURES
- PROPOSED TRAVEL LANES
- PROPOSED SHOULDERS
- PROPOSED OVERLAY
- PROPOSED CROSS STREETS
- PROPOSED DRIVEWAYS
- BUILDING DISPLACEMENT
- ROADWAY PAVEMENT TO BE REMOVED

NOTES:

1. SCHEMATICS ARE BASED ON AERIAL AND DESIGN SURVEYS DATED DECEMBER 21, 2015 AND RECORD PLANS.
2. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR RAIL UNLESS OTHERWISE NOTED.
3. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS 48085C0215J, 48085C0216J, 48085C0218J.
4. OWNERSHIP AND PROPERTY LINE INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM COLLIN COUNTY APPRAISAL DISTRICT (CCAD) DATED FEB. 11, 2017. PROPERTY LINE ARE SHOWN FOR INFORMATIONAL USE ONLY.
5. EXISTING CULVERT LOCATIONS, SIZE, AND ELEVATIONS OBTAINED FROM TXDOT RECORD DOCUMENTS AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
6. 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.
7. BUSINESS PROPERTY DRIVEWAYS WILL BE REPLACEMENT IF THE PROPOSED ROW IS TO BE ACQUIRED ON THE PROPERTY.
8. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE FINAL PHASE OF THE PROJECT.
9. RESIDENTIAL DRIVEWAY RADII ARE 10 FT. CROSS STREET DRIVEWAY RADII ARE 30 FT. AND FUNCTIONAL AREA DRIVEWAY RADII ARE 50 FT. UNLESS OTHERWISE NOTED.
10. PIPE CROSSING UNDERNEATH DRIVEWAYS IS NOT SHOWN FOR CLARITY.
11. THE NORTH TEXAS MUNICIPAL WATER DISTRICT MITIGATION AREAS WERE DELINEATED BY WEST TEXAS ENGINEERING CONSULTANTS, INC. DATED JUNE 20, 2006. THE MITIGATION AREAS SHOWN ARE APPROXIMATE AND FOR INFORMATIONAL USE ONLY.
12. FM 545 EXISTING RIGHT-OF-WAY SHOWN ON SCHEMATIC PROVIDED BY OTHERS. EXISTING CROSS STREETS RIGHT-OF-WAY INFORMATION SHOWN TAKEN FROM COLLIN COUNTY APPRAISAL DISTRICT. ALL EXISTING RIGHT-OF-WAY TO BE FIELD VERIFIED DURING PS&E.


N CHURCH ST
N MORROW ST
N MAIN ST
BS 78
FM 545
20'
20'
20'