TEXAS DEPARTMENT OF TRANSPORTATION

PRELIMINARY SCHEMATIC LAYOUT
FM 1423 - HIDALGO COUNTY, TEXAS
OFFICE OF THE DISTRICT ENGINEER
PHARR, TEXAS

C-5-J1 1427-01-032, 1427-01-033 & 1427-01-037
(FROM SH 107 TO BUSINESS 83 - LENGTH 6.4 MILES)

VICINITY MAP
HIDALGO COUNTY
(N.T.S.)

FUNCTIONAL CLASSIFICATION:
FM 1423 - URBAN MAJOR COLLECTOR

DESIGN SPEED:
FM 1423:
SH 107 TO MINNESOTA RD - 60 MPH
MINNESOTA RD TO IH 2 - 45 MPH
IH 2 TO BUSINESS 83 - 35 MPH

DESIGN CRITERIA:
PROPOSED DESIGN STANDARDS FOR ROADWAYS TxDOT ROM JULY 2020 CH. 2 & 3 SECT. 2
PROPOSED DESIGN STANDARDS FOR TRAFFICS TxMUTCD REV. 2, OCTOBER 2014
PROPOSED DESIGN STANDARDS FOR DRAINAGE: TxDOT HYDRAULIC DESIGN MANUAL 2019

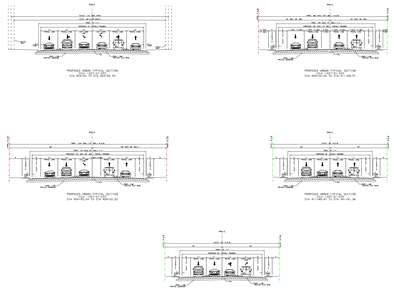
TRAFFIC DATA:
CSJ: 1427-01-032 SH 107 TO W. ROOSEVELT ROAD
ADT (2029) - 13,500
(2049) - 19,200
(2059) - 20,900
CSJ: 1427-01-032 W. ROOSEVELT ROAD TO MINNESOTA ROAD
ADT (2029) - 16,200
(2049) - 23,200
(2059) - 30,300
CSJ: 1427-01-037 MINNESOTA ROAD TO IH 2
ADT (2029) - 24,100
(2049) - 30,400
(2059) - 32,900
CSJ: 1427-01-033 IH 2 TO BUSINESS 83
ADT (2029) - 12,300
(2049) - 17,200
(2059) - 18,400

60% SUBMITTAL
ROLL 6 OF 6

PRELIMINARY
FOR REVIEW ONLY
THESE DOCUMENTS ARE PRELIMINARY AND SUBJECT TO CHANGE. THEY ARE NOT TO BE USED FOR CONSTRUCTION OR PERMIT PURPOSES. THEY WERE PREPARED BY, OR UNDER THE SUPERVISION OF:
RICHARD R. SNIPPA, P.E., FTDE 88931 01/06/23
NAME P.E. # DATE

EXISTING TYPICAL SECTIONS - (FM 1423)

PROPOSED TYPICAL SECTIONS - (FM 1423)



PLAN LEGEND

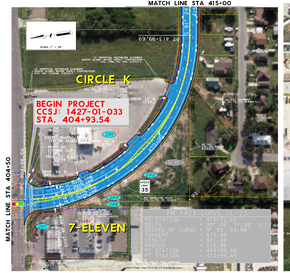
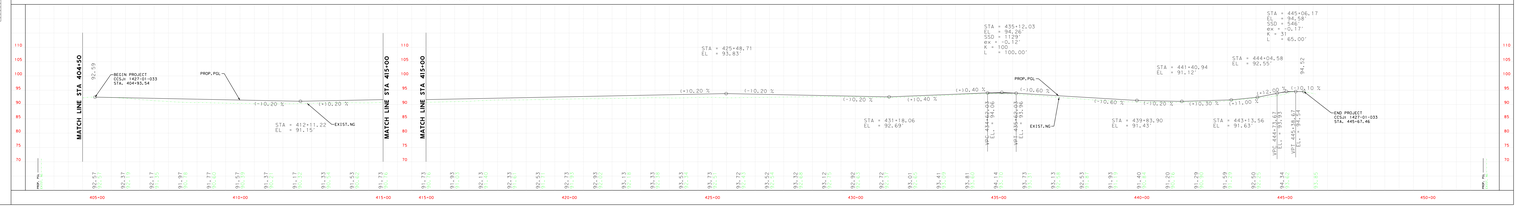
CITY LIMITS
PROPOSED R.O.W.
EXISTING R.O.W.
PARCEL LINE
PROPOSED CULVERT DRAINAGE
EXISTING CULVERT DRAINAGE
EXISTING IRRIGATION DRAINAGE
PROPOSED PAVEMENT
EXISTING PAVEMENT
PROPOSED BRIDGE (CONCRETE)
PROPOSED SIDEWALK
PROPOSED SHARED USE PATH
TO BE OBLITERATED
TO BE REMOVED FOR REPLACEMENT
FOAM FLUME ZONE
RIO VALLEY SWITCHING RAILROAD
TRAFFIC FLOW/DOUBLE LINE
SIGNALIZED INTERSECTION
PARCEL NUMBERS

UTILITY LEGEND

ELECTRIC
OVERHEAD SERVICES
TANGENT
AMERICAN ELECTRIC POWER
RIO VALLEY ELECTRIC
COMMUNICATION
OVERHEAD SERVICES
FIBER OPTICS
AT&T FIBER
CENTURYLINK FIBER
SUNESYS FIBER
UNIDENTIFIED FIBER
FIBER/LIGHT FIBER
TEXAS DOT FIBER
TEXAS DEPARTMENT OF TRANSPORTATION
MATERIAL ENCAPSULATION, & OTHER SERVICE
OVERHEAD SERVICES
EXISTING NATURAL/PIPELINES
TEXAS GAS SERVICE
TEXAS GAS SERVICE
TEXAS GAS SERVICE
PIPELINE
PIPELINE
PIPELINE
PETROLEUM FUELS
TRAFFIC
OVERHEAD SERVICES

GENERAL NOTES:

1. ALL PROJECT COORDINATES ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, TEXAS SOUTH ZONE, NAD 83/NAVD 88. ALL COORDINATES, BEARINGS, SURFACE AND DISTANCES ARE GRID AND ARE DIVISIBLE BY SCALE FACTOR OF .99966, UNLESS OTHERWISE NOTED.
2. PARCEL LINE DIMENSIONS ARE APPROXIMATE LOCATIONS AND ARE FOR ILLUSTRATION PURPOSES ONLY.
3. ALL DIMENSIONS ARE HORIZONTAL UNLESS OTHERWISE NOTED.
4. ALL PROPOSED CONTROL POINTS, EASEMENTS ARE TO BE MEASURED AND UNDER FINAL REVIEW.
5. ALL PROPOSED CONTROL POINTS, EASEMENTS ARE TO BE MEASURED.
6. ROADWAY GEOMETRY AND ELEMENTS TO BE REVISED DURING SCHEMATIC DEVELOPMENT.

CONTROL POINTS

POINT NO.	NORTHING	EASTING	GRADED/ ELEVATION	STATION	OFFSET	DESCRIPTION/REMARKS