TEXAS DEPARTMENT OF TRANSPORTATION

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

C-S-J: 1427-01-032, 1427-01-033 & 1427-01-037
(FROM SH 107 TO BUSINESS 83 - LENGTH 8.4 MILES)

VICINITY MAP
HIDALGO COUNTY
TM,7,8,9

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 ROADWAY: TxDOT ROW JULY 2020 CH. 2 & 3 SECT. 2
PROPOSED DESIGN STANDARDS FOR TRAFFIC: TxMUTCD REV. 2, OCTOBER 2014
PROPOSED DESIGN STANDARDS FOR DRAINAGE: TxDOT HYDRAULIC DESIGN MANUAL 2019

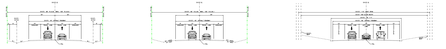
TRAFFIC DATA:

C.S.J. 1427-01-032 SH 107 TO W. ROOSEVELT ROAD
ADT (2029): 13,500
(2039): 15,900
(2049): 20,900
C.S.J. 1427-01-032 W. ROOSEVELT ROAD TO MINNESOTA ROAD
ADT (2029): 16,200
(2039): 23,200
(2049): 29,200
C.S.J. 1427-01-037 MINNESOTA ROAD TO IH 2
ADT (2029): 21,700
(2039): 32,100
(2049): 52,900
C.S.J. 1427-01-033 IH 2 TO BUSINESS 83
ADT (2029): 15,300
(2039): 17,200
(2049): 18,400

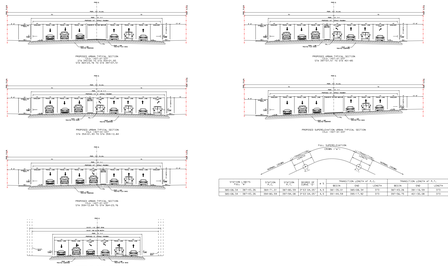
60% SUBMITTAL
ROLL 5 OF 6

PRELIMINARY
FOR REVIEW ONLY
THESE DOCUMENTS ARE PRELIMINARY AND SUBJECT TO CHANGES AND MAY NOT BE ADEQUATE FOR CONSTRUCTION OR PERMIT PURPOSES. THEY WERE PREPARED UNDER THE SUPERVISION OF ELIZABETH G. ZARATE, P.E. PE# 99151 ON 01/01/2023
NAME P.E. # DATE

EXISTING TYPICAL SECTIONS - (FM 1423)



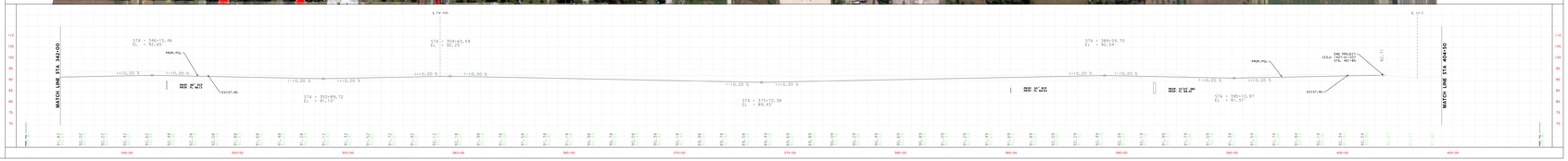
PROPOSED TYPICAL SECTIONS - (FM 1423)



PLAN LEGEND:
- EXIST. CURB
- EXIST. EDGE OF PAVEMENT
- EXISTING R.O.W.
- PARCEL LINE
- EXISTING CONCRETE DRIVEWAY
- EXISTING ASPHALT DRIVEWAY
- EXISTING CONCRETE PAVEMENT
- PROPOSED PAVEMENT
- PROPOSED CURB
- PROPOSED REGIONAL CONCRETE
- PROPOSED SIDEWALK
- PROPOSED ASPHALT DRIVE
- TO BE REMOVED
- POTENTIAL BUILDING DEVELOPMENT
- EXISTING TREE
- FOG VALLEY METERING BUILDING
- TRAFFIC FLOW/EXISTING LANE
- TRAFFIC FLOW/PROPOSED LANE
- PARCEL NUMBERS

UTILITY LEGEND:
- ELECTRIC
- OVERHEAD CABLES
- TELEPHONE
- TRANSMISSION ELECTRIC POWER
- MAGIC VALLEY ELECTRIC
- COMMUNICATIONS
- OVERHEAD CABLES TELEVISION
- LINE CABLES
- FIBER OPTIC CABLES
- TELEPHONE CABLES
- STREETLIGHT
- STREETLIGHT POLE
- TRAFFIC SIGNAL POLE
- TRAFFIC SIGNAL BOX
- WATER
- WATER LINE
- WATER VALVE
- WATER METER
- WATER WELL
- SANITARY SEWER
- SANITARY SEWER MANHOLE
- GAS
- GAS LINE
- GAS VALVE
- GAS METER
- GAS WELL
- PETROLEUM
- TRAFFIC
- OVERHEAD CABLES

GENERAL NOTES:
1. ALL PROJECT COORDINATES ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, NAD83 (2011) SOUTH ZONE. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES UNLESS OTHERWISE NOTED. ALL DATA OF ELEVATION IS ONLY ACCURATE TO WITHIN ONE-HALF OF ONE FOOT.
2. PARCEL LINE DIMENSIONS ARE APPROXIMATE LOCATIONS AND ARE FOR ILLUSTRATION PURPOSES ONLY.
3. TRAFFIC PROTECTION BARRIER CLEARANCE ARE PRELIMINARY AND MEASURED FROM PAVEMENT EDGE TO BACK OF BARRIER. ADJUSTMENTS MAY BE MADE IN FIELD.
4. PRIMARY DRAINAGE AND CLEARNESS TO BE PROVIDED DURING PROPERTY DEVELOPMENT.

CONTROL POINTS

POINT NAME	NORTHING	EASTING	ELEVATION	DESCRIPTION	DESCRIPTION/REMARKS