TEXAS DEPARTMENT OF TRANSPORTATION
ODESSA DISTRICT

DESIGN SCHEMATIC
JOHN SPEED, P.E.
DISTRICT ENGINEER

FM 1776
PECOS COUNTY

CSJ: 2262-02-013
FROM: 1.72 MILES NORTH OF FM 1450
TO: FM 1450
CSJ: 2262-03-014
FROM: FM 1450
TO: 1.05 MILES SOUTH OF FM 1450

DESCRIPTION OF WORK: ROADWAY RECONSTRUCTION, CONSTRUCT NEW GRADE SEPARATION, IMPROVE INTERSECTIONS

FM 1776 NET LENGTH OF PROJECT: 2.77 MILES
FM 1450 NET LENGTH OF PROJECT: 0.95 MILES

FUNCTIONAL CLASSIFICATION:
FM1776 - MAJOR COLLECTOR
FM1450 - MAJOR COLLECTOR
EL PASO RD - COUNTY ROAD

DESIGN SPEED:
FM 1776 DESIGN SPEED = 50 MPH
FM 1450 & FM 1776 DESIGN SPEED = 30 MPH
EL PASO RD/ NORTH ACCESS RD DESIGN SPEED = 30 MPH

TRAFFIC DATA

TRAFFIC VOLUMES APPROVED BY TxDOT TPP DIVISION DATED APRIL 15, 2019	FM 1776 FROM North of FM 1450 TO South of FM 1450
AVERAGE DAILY TRAFFIC - 2023(2043)	5,200(7,800)
DIRECTIONAL DISTRIBUTION (%)	66.00
PERCENT TRUCKS OF DHV	24.0
K FACTOR	11.0

FINAL SCHEMATIC
10/01/2019

PREPARED BY:
CIVIL ASSOCIATES, INC. TBPE REGISTRATION NO. F-006981

NASER ABUSAAD, P.E., ACP
LICENSE NO. 93200

APPROVED BY:

ROBERT ORNELAS, P.E.
DIRECTOR OF TRANSPORTATION PLANNING AND DEVELOPMENT

JOHN SPEED, P.E.
DISTRICT ENGINEER

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Texas Department of Transportation

FM 1776 DESIGN SCHEMATIC

COUNTY: PECOS
DATE: OCT. 01, 2019

ROLL 1 OF 5

SCALE IN FEET

LEGEND

- REMOVE PAVEMENT
- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- PROPOSED DRIVEWAY
- PROPOSED BRIDGE
- PROPOSED BRIDGE RAIL
- PROPOSED LANE
- EXISTING LANE
- CENTER LINE
- PROFILE GRADE LINE LOCATION
- ENVIRONMENTAL CONSTRAINT
- EXISTING STRUCTURES
- EXISTING SURFACE WELL
- EXISTING BOTTOM WELL
- EXISTING WELL LINE
- EXISTING PIPE LINES
- PARCEL BOUNDARY
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED DRAINAGE EASEMENT
- LEVEL A S.U.E. TEST HOLES (TH#XX)
- PARCEL ID NUMBER

GENERAL NOTES

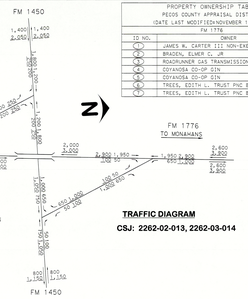
1. AERIAL IMAGES SHOWN HERE OBTAINED FROM: https://orthe.org (2016), SUPPLEMENTARY AERIAL OBTAINED DURING PROJECT SURVEY FLIGHT IN MAY 2018
2. PIPELINE/WELL GIS DATA FROM TEXAS RAILROAD COMMISSION (2018) http://www.gis.rrc.texas.gov/GISViewer2/
3. DRIVEWAY LOCATIONS TO BE DETERMINED IN COORDINATION WITH PROPERTY OWNERS.
4. TxDOT TP&P TRAFFIC APPROVED APRIL 12, 2019.
5. LEVEL A SUBSURFACE UTILITY ENGINEERING (SUE) TEST HOLES WERE PERFORMED BY THE DESIGN DIVISION. TEST HOLE DATA IS AVAILABLE UPON REQUEST. PLEASE REFER TO FM1776 UTILITY CONFLICT MATRIX DOCUMENT.

PROPERTY OWNERSHIP TABLE
PECOS COUNTY APPRAISAL DISTRICT
(DATE LAST MODIFIED:NOVEMBER 17, 2016)
FM 1776

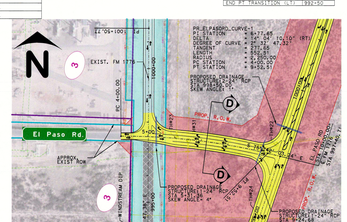
TO NO.	OWNER
1	JAMES W. CARTER III NON-EXEMPT CHILDS TR
2	BRADEN, ELMER C. JR
3	ROADRUNNER GAS TRANSMISSION LLC
4	COYANOSA CO-OP GIN
5	COYANOSA CO-OP GIN
6	TREES, EDITH L. TRUST PNC BANK
7	TREES, EDITH L. TRUST PNC BANK

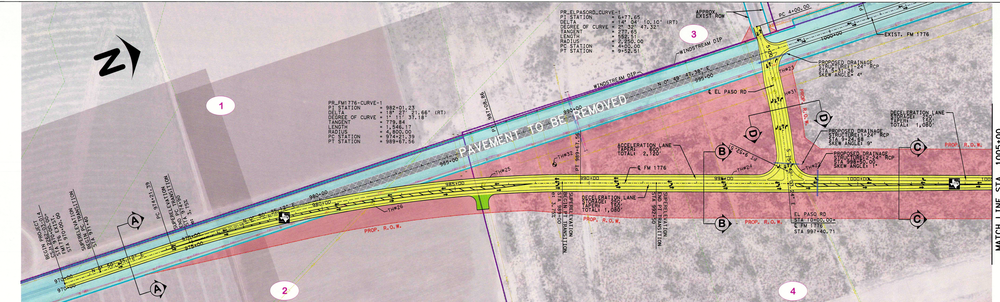
SUPERELEVATION DATA
PR_FM1776_CURVE-1

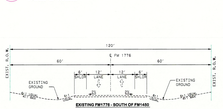
RADIUS	1,200.00 FT
DESIGN SPEED (M/H)	50
TRANSITION LENGTH	55.0 FT
A-VALUE	81.0
BEGIN PC TRANSITION (STATION)	941+45
BEGIN PC TRANSITION (ELEV)	2,580.85
BEGIN PC FULL SUPERELEVATION (STATION)	942+00
BEGIN PC FULL SUPERELEVATION (ELEV)	2,581.50
END PC FULL SUPERELEVATION (STATION)	944+00
END PC FULL SUPERELEVATION (ELEV)	2,581.50
END PC TRANSITION (STATION)	944+55
END PC TRANSITION (ELEV)	2,580.85

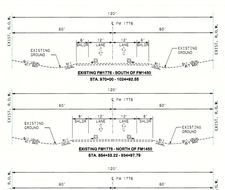


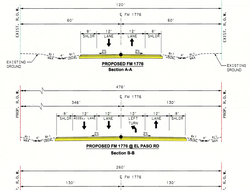
TRAFFIC DIAGRAM
CSJ: 2262-02-013, 2262-03-014

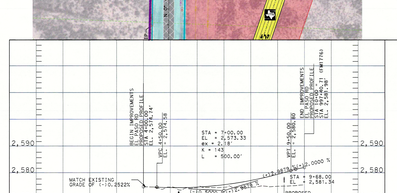


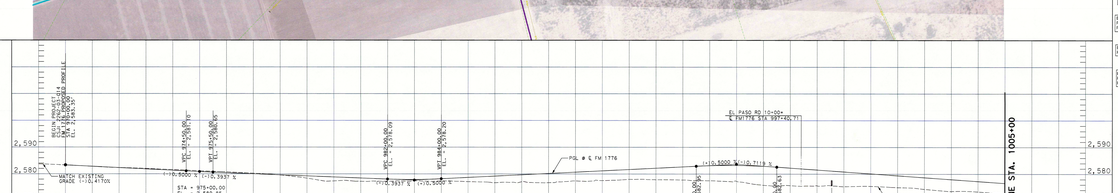












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