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

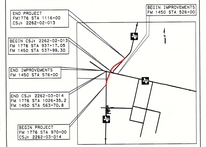
FM 1776 NET LENGTH OF PROJECT: 2.77 MILES
FM 1450 NET LENGTH OF PROJECT: 0.95 MILES

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

DESIGN SPEED:
FM 1776 DESIGN SPEED = 70 MPH
FM 1450 @ FM 1776 DESIGN SPEED = 70 MPH
EL PASO RD/ NORTH ACCESS RD DESIGN SPEED = 30 MPH

TRAFFIC DATA

TRAFFIC VOLUMES APPROVED BY TxDOT-TP&P DIVISION DATED APRIL 15, 2019	FM 1776 FROM North of FM 1450 TO South of FM 1450
AVERAGE DAILY TRAFFIC - (2019)(2040)	5,200/7,800
DIRECTIONAL DISTRIBUTION (%)	60/50
PERCENT TRUCKS OF DHV	24.0
K FACTOR	11.8



FINAL SCHEMATIC
10/01/2019

PREPARED BY:
CIVIL ASSOCIATES, INC. TBPE REGISTRATION NO. F-000981

NASER ABUSAAD, P.E., AICP
LICENSE NO. 83209

APPROVED BY:

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

JOHN SPEED, P.E.
DISTRICT ENGINEER

TEXAS Department of Transportation
Texas Transportation Commission
Marc A. Williams, P.E. Executive Director

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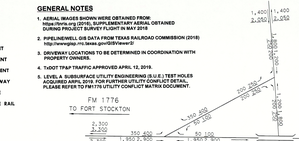
SCALE IN FEET 0 25 50 100

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 WERE OBTAINED FROM: https://tnris.org (2018), SUPPLEMENTARY AERIAL OBTAINED DURING PROJECT SURVEY FLIGHT IN MAY 2019.**
2. **PPEL(INDEWELL GIS DATA FROM TEXAS RAILROAD COMMISSION (2019) http://www.rrc.texas.gov/GIS/Pdwner/d/**
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 (S.U.E.) TEST HOLES ACQUIRED APR2, 2019. FOR FURTHER UTILITY CONFLICT DETAIL, PLEASE REFER TO FM1776 UTILITY CONFLICT MATRIX DOCUMENT.**



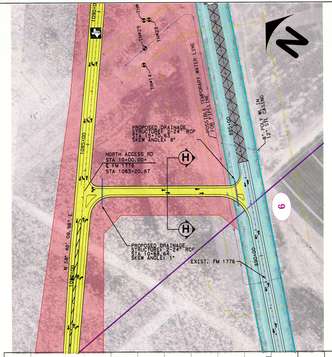
TRAFFIC DIAGRAM
CSJ: 2262-02-013, 2262-03-014

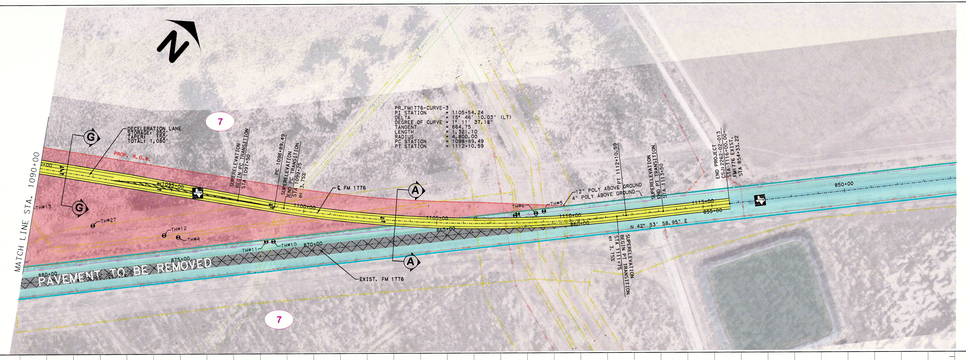
PROPERTY OWNERSHIP TABLE
PECOS COUNTY APPRAISAL DISTRICT
(DATE LAST MODIFIED:NOVEMBER 17, 2016)
FM 1776

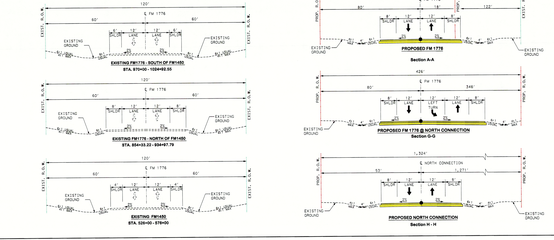
ID NO.	OWNER
1	JAMES W. CARTER III NON-EXEMPT CHILDS TR
2	BRADDY, ELMER C. JR
3	ROADRUNNER GAS TRANSMISSION LLC
4	COYANOSA CO-OP GIN
5	COYANOSA CO-OP GIN
6	TREES, EDITH L. TRUST PNC BANK
7	TREES, EDITH L. TRUST PNC BANK

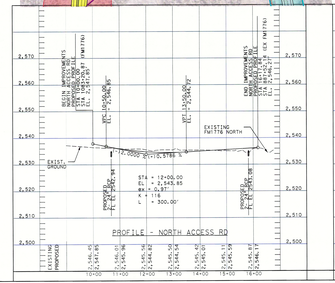
SUPERELEVATION DATA
FM1776-CURVE-1

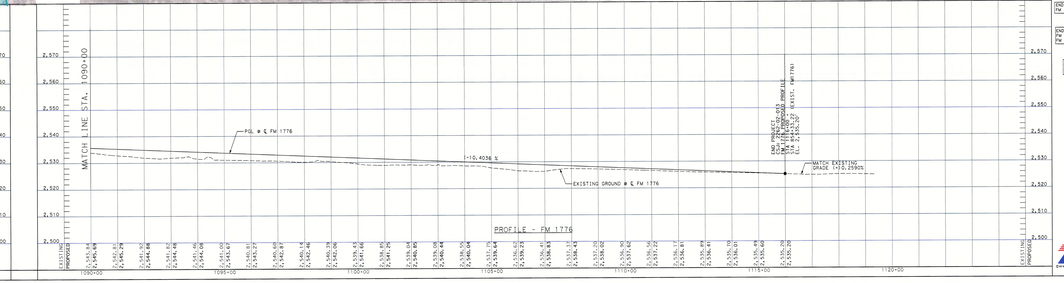
RADIUS	1,800.00'
DEGREE OF CURVATURE	3.18°
PI STATION	1108+64.24
BC STATION	1106+21.03
EC STATION	1111+10.99
PC STATION	1107+83.49
PT STATION	1110+22.53
BEGIN SP TRANSITION	1107+33.49
END SP TRANSITION	1107+83.49
BEGIN SP TRANSITION	1110+22.53
END SP TRANSITION	1110+72.53











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ODESSA DISTRICT

DESIGN SCHEMATIC
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FM 1776 DESIGN SCHEMATIC
COUNTY: PECOS
DATE: OCT. 01, 2019
ROLL 4 OF 5