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

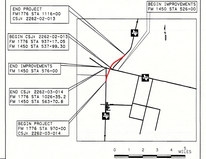
FM 1776 NET LENGTH OF PROJECT: 2.77 MILES
FM 1450 NET LENGTH OF PROJECT: 0.95 MILES

FUNCTIONAL CLASSIFICATION:
FM1776 - MAJOR COLLECTOR
FM 1450 - 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 12, 2018	FM 1776 FROM North of FM 1450 TO South of FM 1450
AVERAGE DAILY TRAFFIC - 2019(2040)	6,200(7,800)
DIRECTIONAL DISTRIBUTION (%)	56.00
PERCENT TRUCKS OF DHV	24.0
K FACTOR	11.0



FINAL SCHEMATIC
10/01/2019

CIVIL ASSOCIATES, INC. TBPE REGISTRATION NO. F-006981

NASER ABUSRAIS, 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
Project Development Process
Form 1068 (Revised 10/2018)

Texas Department of Transportation

COUNTY: PECOS
DATE: OCT. 01, 2019

FM 1776 DESIGN SCHEMATIC

ROLL 2 OF 5

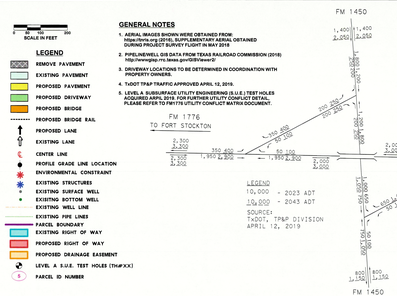
SCALE IN FEET 0 50 100

GENERAL NOTES

1. AERIAL IMAGES SHOWN WERE OBTAINED FROM: https://orts.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/BinModeler/
3. DRIVEWAY LOCATIONS TO BE DETERMINED IN COORDINATION WITH PROPERTY OWNERS.
4. TxDOT TP&P TRAFFIC APPROVED APRIL 12, 2018.
5. LEVEL A SUBURFACE UTILITY ENGINEERING (S.U.E.) TEST HOLES ACQUIRED APRIL 2019. FOR FURTHER UTILITY CONFLICT DETAIL, PLEASE REFER TO FM1776 UTILITY CONFLICT MATRIX DOCUMENT.

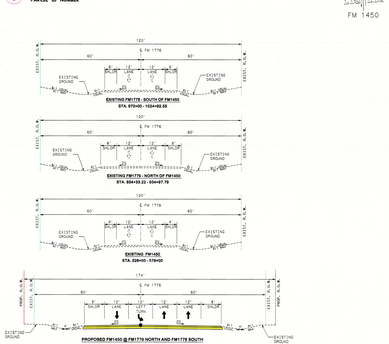
LEGEND

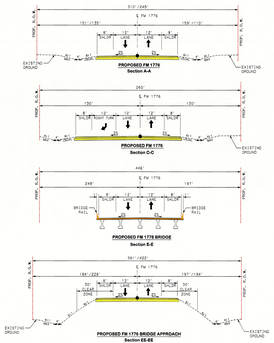
- REMOVE PAVEMENT
- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- PROPOSED DRIVEWAY
- PROPOSED BRIDGE
- PROPOSED BRIDGE RAIL
- PROPOSED LANE
- EXISTING LANE
- CENTER LINE
- PROFILE GRADE LINE LOCATION
- ENVIRONMENTAL CONSTRAINT
- EXISTING STRUCTURES
- EXISTING SURFACE WELL
- EXISTING BOTTOM WELL
- EXISTING 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#XXX)
- PARCEL ID NUMBER



LEGEND
10,000 - 2023 ADT
10,000 - 2043 ADT
SOURCE: TxDOT, TP&P DIVISION APRIL 12, 2019

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

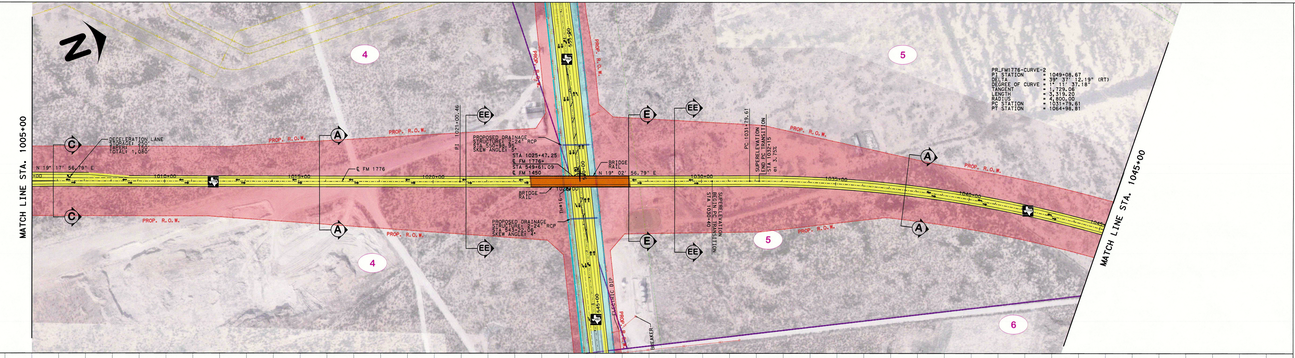


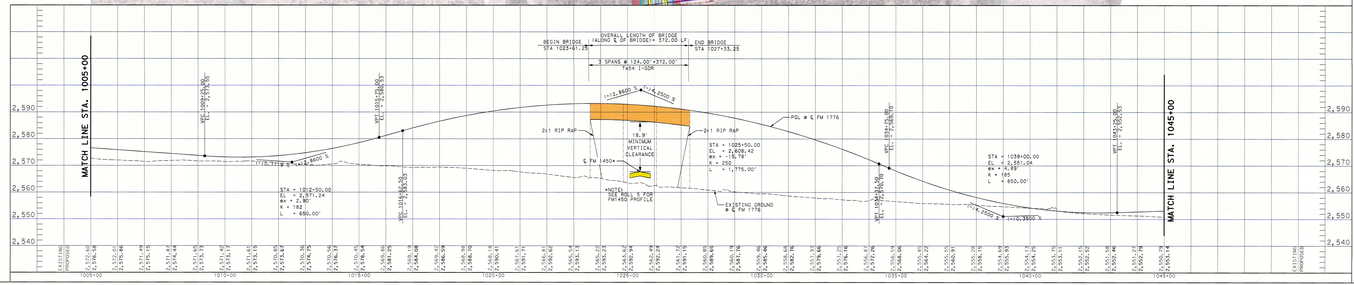


PROPERTY OWNERSHIP TABLE PECOS COUNTY APPRAISAL DISTRICT (DATE LAST MODIFIED:NOVEMBER 17, 2016) FM 1776	
ID NO.	OWNER
1	JAMES W. CARTER III NON-EXEMPT CHILDS TR
2	BRADON, ELMER C. JR
3	ROADRUNNER GAS TRANSMISSION LLC
4	COYANOSA CO-OP GIN
5	COYANOSA CO-OP GIN
6	TREES, EDITH L. TRUST PNC BANK
7	TREES, EDITH L. TRUST PNC BANK

SUPERELEVATION DATA PR_FM1776_CURVE_2	
RADIUS	1,146.00'
SUPERELEVATION RATE (%)	0.00 - 2.00
TRANSITION LENGTH	75.00'
BP STATION	1049+68.62
BP ELEVATION	2,551.06 (RT)
PT STATION	1051+37.18
PT ELEVATION	2,551.06
END OF TRANSITION (%)	2.00
END OF TRANSITION (LT)	1049+68.62
END OF TRANSITION (RT)	1051+37.18

SUPERELEVATION DATA PR_FM1776_CURVE_3	
RADIUS	1,146.00'
SUPERELEVATION RATE (%)	0.00 - 2.00
TRANSITION LENGTH	75.00'
BP STATION	1033+76.84
BP ELEVATION	2,551.06 (RT)
PT STATION	1035+45.96
PT ELEVATION	2,551.06
END OF TRANSITION (%)	2.00
END OF TRANSITION (LT)	1033+76.84
END OF TRANSITION (RT)	1035+45.96





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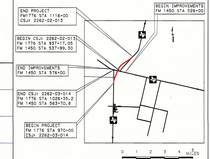

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