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, CONSTRUCTION OF NEW GRADE SEPARATION, IMPROVE INTERSECTIONS

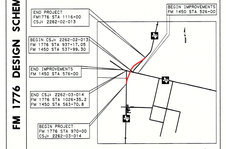
FM 1776 NET LENGTH OF PROJECT: 2.77 MILES
FM 1450 NET LENGTH OF PROJECT: 0.95 MILES

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 TRAFFIC DIVISION DATED APRIL 15, 2019	FM 1776 FROM North of FM 1450 TO South of FM 1450
AVERAGE DAILY TRAFFIC - 2022(AADT)	2,200(7,800)
DIRECTIONAL DISTRIBUTION (%)	60-32
PERCENT TRUCKS OF DHV	34.5
K FACTOR	11.6



FINAL SCHEMATIC
10/01/2019

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

NASER ABUSSAD, P.E., AICP
LICENSE NO. 93205

APPROVED BY:

10/01/19
ROBERT ORNELAS, P.E.
DIRECTOR OF TRANSPORTATION PLANNING AND DEVELOPMENT

10/01/19
JOHN SPEED, P.E.
DISTRICT ENGINEER

THIS DOCUMENT IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

Texas Department of Transportation

COUNTY: PECOS
DATE: OCT. 01, 2019

FM 1776 DESIGN SCHEMATIC

ROLL 5 OF 5

SCALE IN FEET

LEGEND

- REMOVE PAVEMENT
- EXISTING PAVEMENT
- EXISTING LANE
- 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
- PROJECT BOUNDARY
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED DRAINAGE EASEMENT
- LEVEL A S.U.E. TEST HOLES (TH#-XX)
- 5 PARCEL ID NUMBER

GENERAL NOTES

1. AERIAL IMAGES BASEMAPS WERE OBTAINED FROM http://maps.nrcs.usda.gov (2016) SUPPLEMENTARY AERIAL OBTAINED DURING PROJECT SURVEY FLIGHT IN MAY 2018
2. PIPELINEWELL ON DATA FROM TEXAS RAILROAD COMMISSION (2018) http://www.rrc.state.tx.us/GIS/Viewer52
3. DRIVEWAY LOCATIONS TO BE DETERMINED IN COORDINATION WITH PROPERTY OWNERS.
4. TxDOT TP&P TRAFFIC APPROVED APRIL 12, 2013.
5. LEVEL A SUBSURFACE UTILITY ENGINEERING (S.U.E.) TEST HOLES WERE PERFORMED ON THE PROJECT AS SHOWN ON THE PLANS. PLEASE REFER TO FM1776 UTILITY CONFLICT MATRIX DOCUMENT.
6. PLAN VIEW ROTATED TO MATCH EXISTING FM1450 STATIONING, ACCORDING TO AS-BUILTS, WHICH INCREASES EAST-TO-WEST.

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

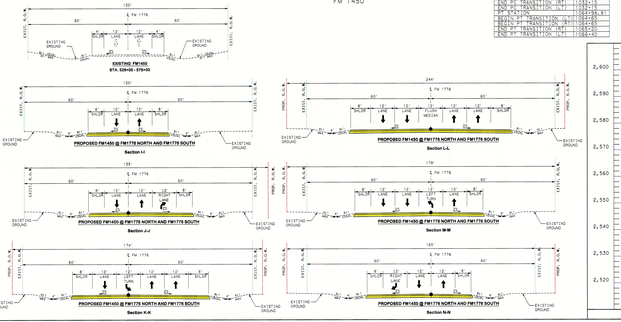
FM 1776

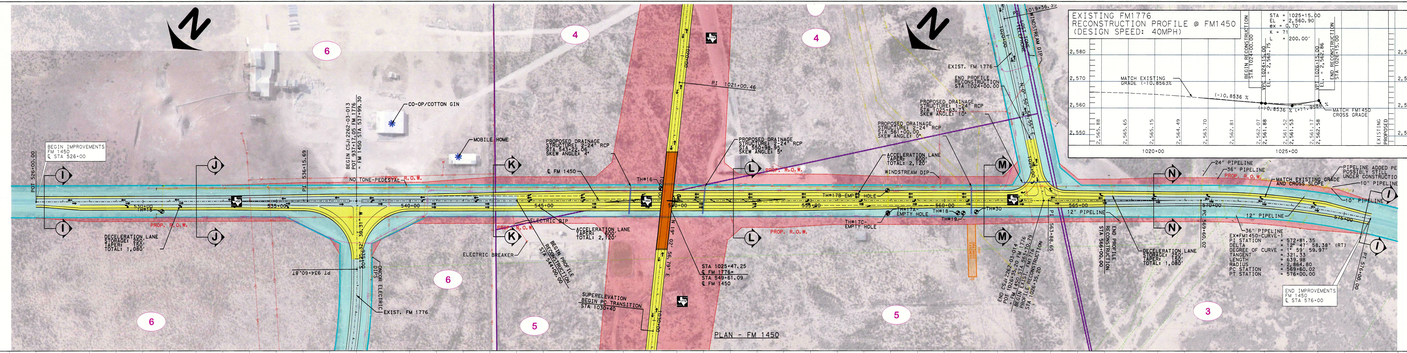
ID NO.	OWNER
1	JAMES W. CARTER III NON-EXEMPT CHILDS TR
2	BRADEN, ELMER C. JR
3	ROADRUNNER GAS TRANSMISSION LLC
4	COPANOSA CO-OP GIN
5	COPANOSA CO-OP GIN
6	TREES, EDITH L. TRUST PHC BANK
7	TREES, EDITH L. TRUST PHC BANK

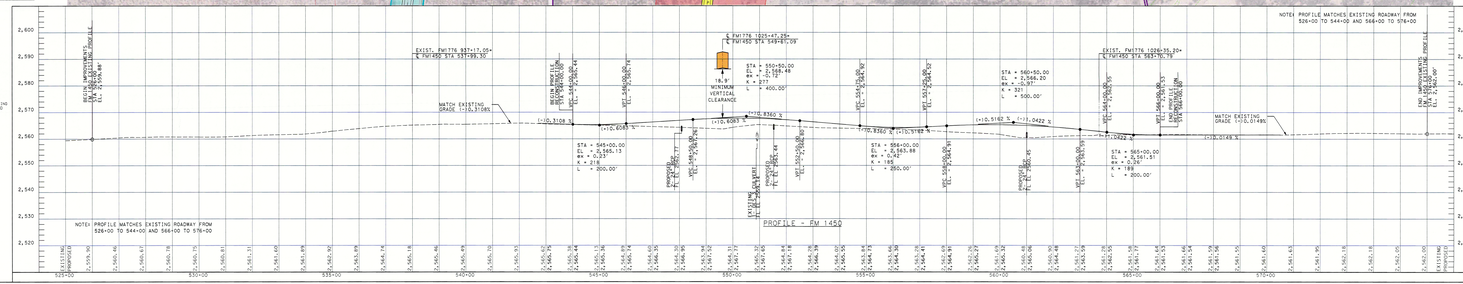
TRAFFIC DIAGRAM
CSJ: 2262-02-013, 2262-03-014

SUPERELEVATION DATA
FM_FM1776_CURVE_4

STATE	TEXAS
DESIGN SPEED (MPH) RATE OF SUPERELEVATION	70.0
SPIRAL LENGTH (FT)	0.0
BEGIN OF TRANSITION (%)	100.0
BEGIN OF TRANSITION (FT)	0.0
END OF TRANSITION (%)	100.0
END OF TRANSITION (FT)	0.0
BP STATION	1024+35.2
BEGIN OF TRANSITION STA	1024+35.2
BEGIN OF CURVE STA	1024+35.2
END OF CURVE STA	1024+35.2
END OF TRANSITION STA	1024+35.2







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, CONSTRUCTION OF 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 TRAFFIC DIVISION DATED APRIL 15, 2019	FM 1776 FROM North of FM 1450 TO South of FM 1450
AVERAGE DAILY TRAFFIC - 2022(AADT)	2,200(7,800)
DIRECTIONAL DISTRIBUTION (%)	60-32
PERCENT TRUCKS OF DHV	34.5
K FACTOR	11.6

FINAL SCHEMATIC
10/01/2019

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

NASER ABUSSAD, P.E., AICP
LICENSE NO. 93205

APPROVED BY:

10/01/19
ROBERT ORNELAS, P.E.
DIRECTOR OF TRANSPORTATION PLANNING AND DEVELOPMENT

10/01/19
JOHN SPEED, P.E.
DISTRICT ENGINEER

THIS DOCUMENT IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

Texas Department of Transportation

COUNTY: PECOS
DATE: OCT. 01, 2019

FM 1776 DESIGN SCHEMATIC

ROLL 5 OF 5