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

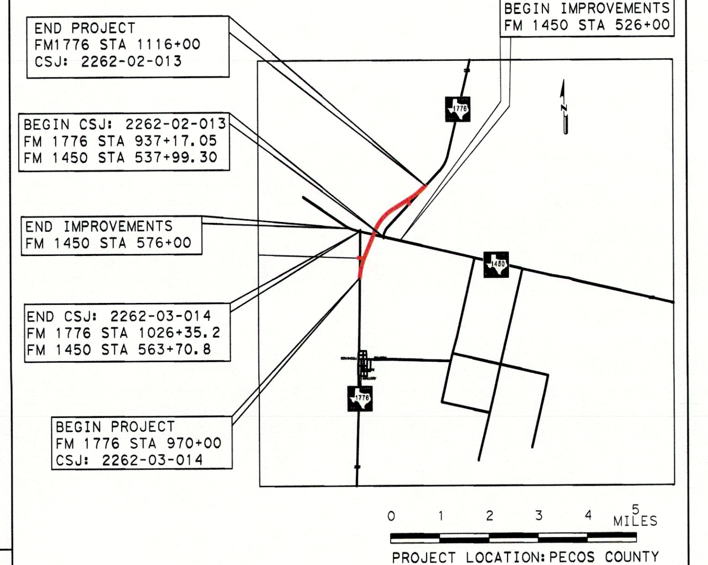
FM 1776 NET LENGTH OF PROJECT: 2.77 MILES
FM 1450 NET LENGTH OF PROJECT: 0.95 MILES

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 12, 2019	FM 1776 FROM North of FM 1450 TO South of FM 1450
AVERAGE DAILY TRAFFIC - 2023(2043)	5,200(7,800)
DIRECTIONAL DISTRIBUTION (%)	68-32
PERCENT TRUCKS OF DHV	24.0
K FACTOR	11.3



FINAL SCHEMATIC
10/01/2019

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

NASER ABUSAAD, P.E., AICP
LICENSE NO. 83200

APPROVED BY:

10/29/19
ROBERT ORNELAS, P.E.
DIRECTOR OF TRANSPORTATION PLANNING AND DEVELOPMENT

JOHN SPEED, P.E.
DISTRICT ENGINEER

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

COUNTY: PECOS
DATE: OCT. 01, 2019

FM 1776 DESIGN SCHEMATIC

ROLL 3 OF 5

CIVIL ASSOCIATES, INC.
9330 LBJ Frwy, Ste. 1150
Dallas, Texas 75243
TBPE Firm Registration No. 6981

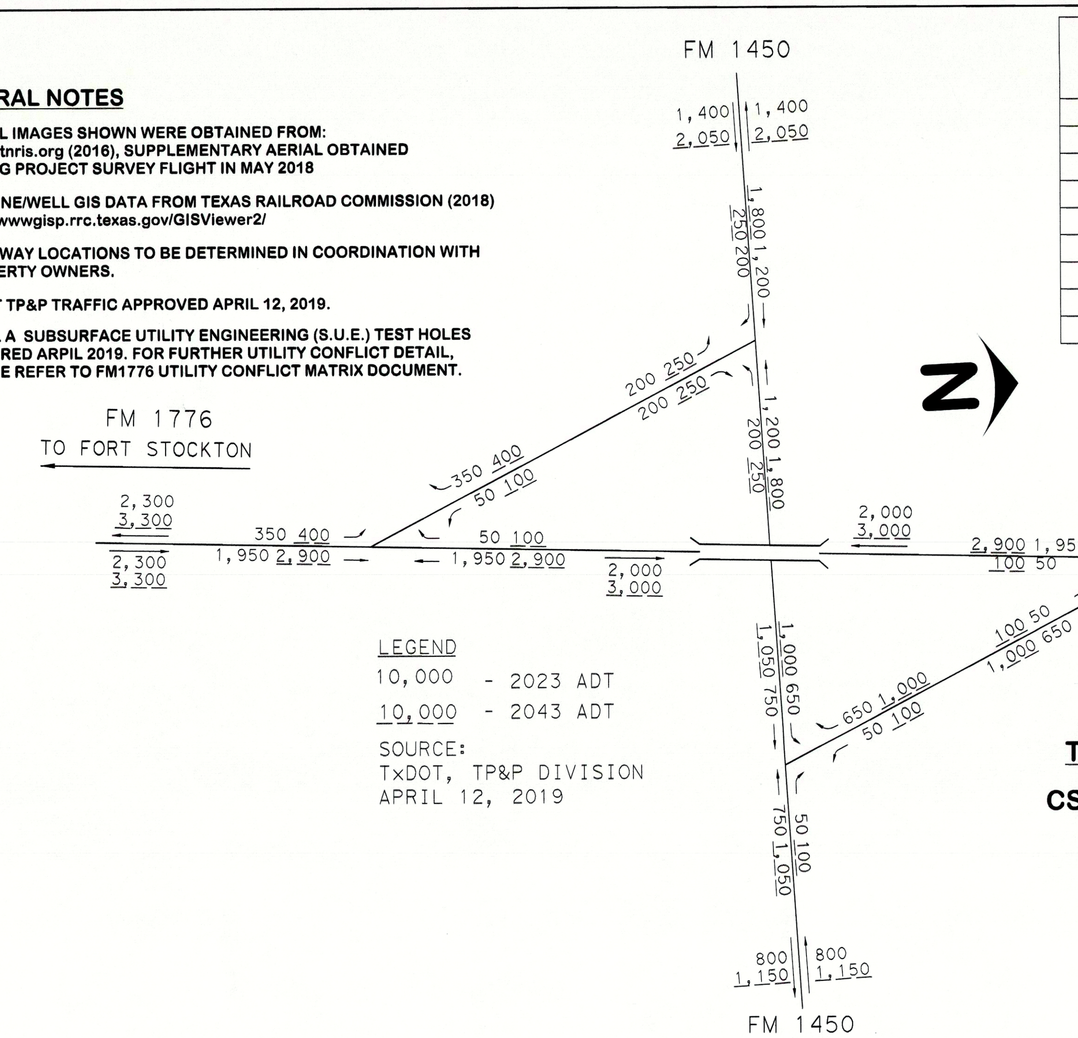
0 50 100 200
SCALE IN FEET

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
- EXISITNG 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

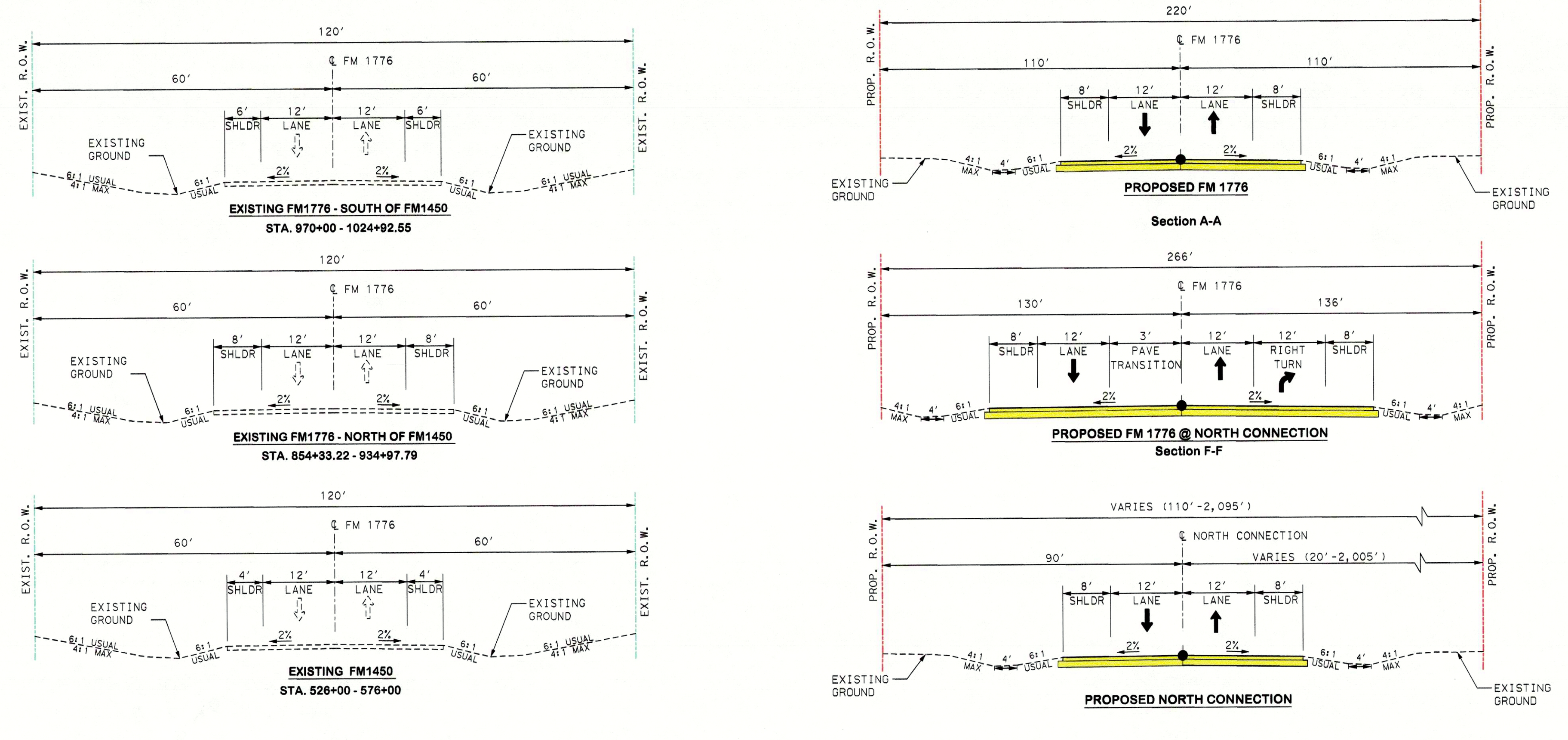
1. AERIAL IMAGES SHOWN WERE OBTAINED FROM: https://tnris.org (2016), SUPPLEMENTARY AERIAL OBTAINED DURING PROJECT SURVEY FLIGHT IN MAY 2018
2. PIPELINE/WELL GIS DATA FROM TEXAS RAILROAD COMMISSION (2018) http://wwwgisp.rrc.texas.gov/GISViewer2/
3. DRIVEWAY LOCATIONS TO BE DETERMINED IN COORDINATION WITH PROPERTY OWNERS.
4. TxDOT TP&P TRAFFIC APPROVED APRIL 12, 2019.
5. LEVEL A SUBSURFACE UTILITY ENGINEERING (S.U.E.) TEST HOLES ACQUIRED ARPIL 2019. FOR FURTHER UTILITY CONFLICT DETAIL, PLEASE REFER TO FM1776 UTILITY CONFLICT MATRIX DOCUMENT.

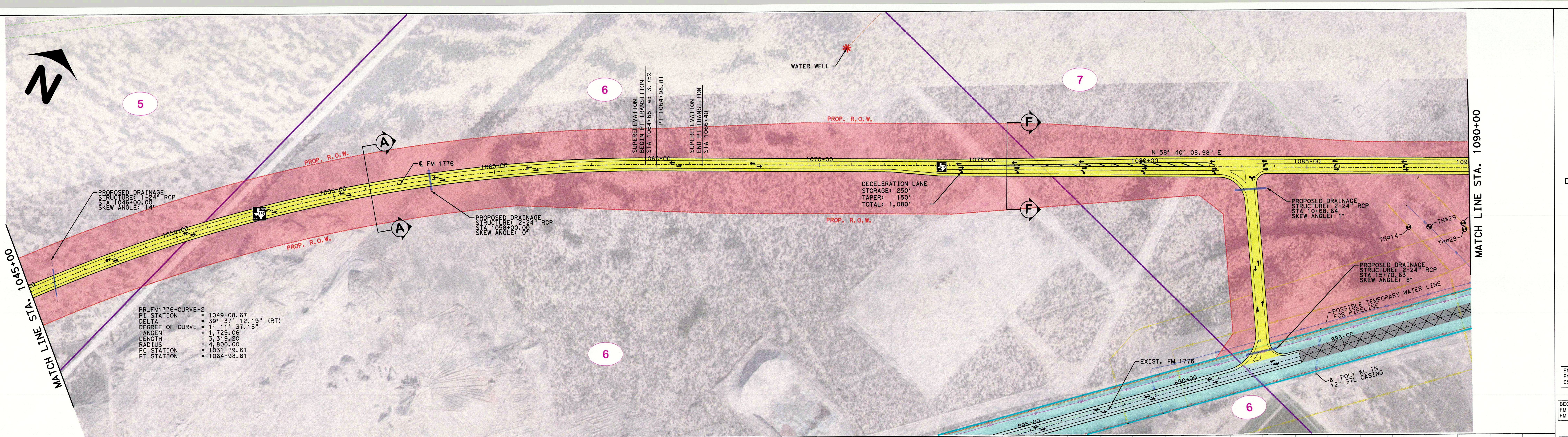


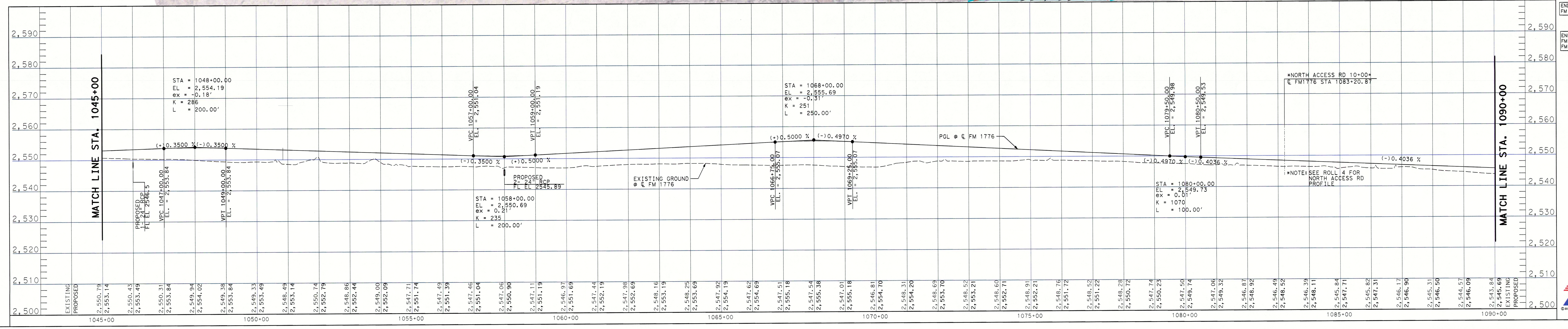
TRAFFIC DIAGRAM
CSJ: 2262-02-013, 2262-03-014

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	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-2	
RADIUS	4800 FT
SUPERELEVATION RATE (e)	3.75%
TRANSITION LENGTH	175 FT
PC STATION	1031+79.61
BEGIN PC TRANSITION (LT)	1030+40
BEGIN PC TRANSITION (RT)	1031+60
END PC TRANSITION (RT)	1032+15
END PC TRANSITION (LT)	1032+15
PT STATION	1064+98.81
BEGIN PT TRANSITION (LT)	1064+65
BEGIN PT TRANSITION (RT)	1064+65
END PT TRANSITION (RT)	1065+20
END PT TRANSITION (LT)	1066+40







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