TEXAS DEPARTMENT OF TRANSPORTATION
ODESSA DISTRICT

DESIGN SCHEMATIC

JOHN SPEED, P.E.
DISTRICT ENGINEER

FM 1776
PECOS COUNTY

CSJ: 2262-02-013
FROM: 2 MILES NORTH OF FM 1450
TO: FM 1450

CSJ: 2262-03-014
FROM: FM 1450
TO: 2 MILES SOUTH OF FM 1450

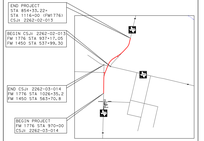
FM 1776 NET LENGTH OF PROJECT: 2.77 MILES
FM 1450 NET LENGTH OF PROJECT: 0.76 MILES

FUNCTIONAL CLASSIFICATION:
MAJOR COLLECTOR
FM 1776 DESIGN SPEED = 35 MPH
FM 1450 @ FM 1776 DESIGN SPEED = 55 MPH
CONNECTING ROADWAYS DESIGN SPEED = 30 MPH

TRAFFIC DATA

TRAFFIC VOLUMES BASED ON YEAR 2021 PROJECTIONS TRANSPORTATION PLANNING DIVISION DATED FEBRUARY 8, 2017

	FM 1776 FROM Beginning Project TO FM 1450	FM 1776 FROM FM 1450 TO End of Project
AVERAGE DAILY TRAFFIC - 2012(2037)	1,300(2,300)	1,750(2,700)
DIRECTIONAL DISTRIBUTION (%)	51-49	51-49
PERCENT TRUCKS OF DHV	46.1	46.1
K FACTOR	11.8	11.8



FM1776 SCHEMATIC
OCTOBER 24, 2018

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

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

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PRELIMINARY REVIEW SUBMITTAL. IT IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

Texas Department of Transportation

COUNTY: PECOS
DATE: OCTOBER 2018

FM 1776 SCHEMATIC

ROLL 1 OF 5

Texas Department of Transportation
Odessa District
Design Division
Roadway Section

CIVIL ASSOCIATES, INC.
Texas Registered Firm F-000981
1000 E. 2nd Street, Odessa, Texas 79761
Phone: (432) 332-2600

GENERAL NOTES

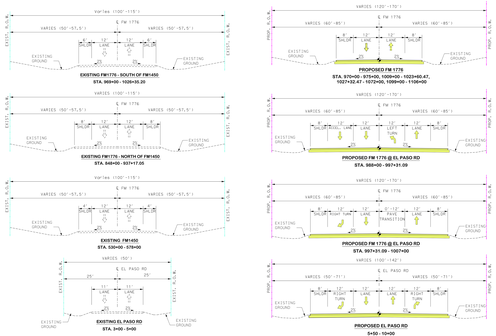
1. **AERIAL IMAGES SHOWN WERE OBTAINED FROM: https://arcis.org (2016), SUPPLEMENTARY AERIAL OBTAINED DURING PROJECT SURVEY FLIGHT IN MAY 2018**
2. **PIPELINE/WELL GIS DATA FROM TEXAS RAILROAD COMMISSION (2018) http://www.gis.rrc.texas.gov/GISViewer2/**
3. **DRIVEWAY LOCATIONS TO BE DETERMINED IN COORDINATION WITH PROPERTY OWNERS (3).**

0 50 100 200
SCALE IN FEET

LEGEND

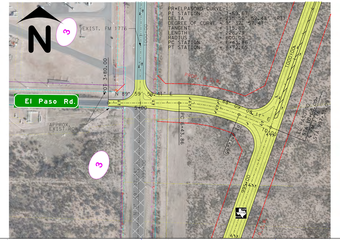
- REMOVE PAVEMENT
- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- PROPOSED BRIDGE
- PROPOSED LANE
- CONSTRAINT
- EXISTING STRUCTURES
- EXISTING SURFACE WELL
- EXISTING BOTTOM WELL
- EXISTING WELL LINE
- EXISTING PIPE LINES
- PARCEL BOUNDARY
- EXISTING R.O.W.
- PROPOSED R.O.W.
- 5 PARCEL ID NUMBER

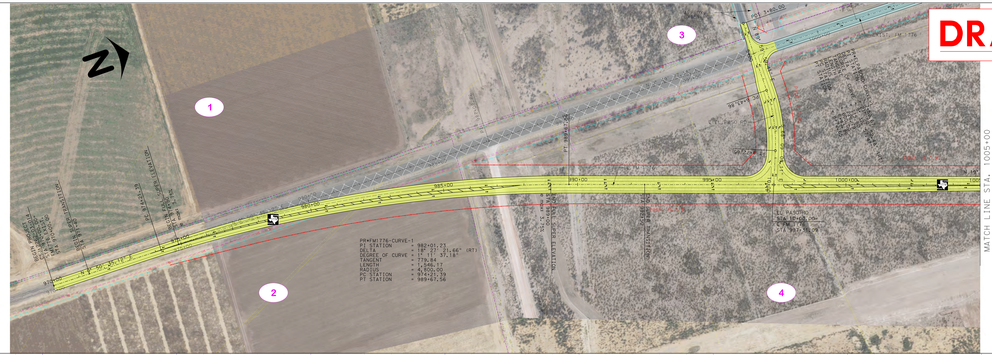
TRAFFIC DIAGRAM
CSJ: 2262-02-013, 2262-03-014

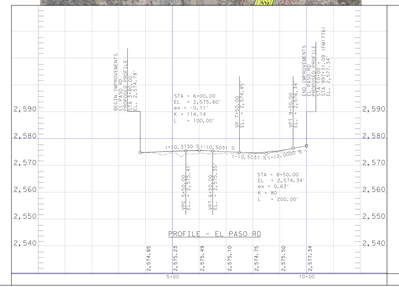


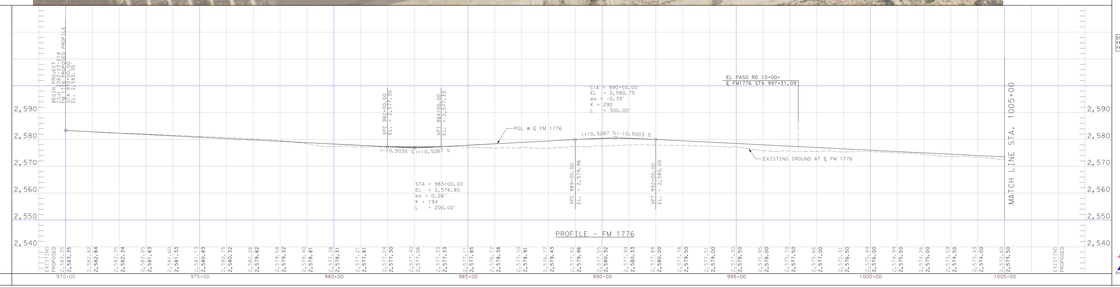
PROPERTY OWNERSHIP TABLE PECOS COUNTY APPRAISAL DISTRICT (DATE LAST MODIFIED:NOVEMBER 17, 2016) FM 1776	
ID NO.	OWNER
1	JAMES W. CARTER III NON-EXEMPT CHILDS TR
2	BRADEN, ELMER C. JR
3	BUNDLEER GAS TRANSMISSION LLC
4	COYANOSA CO-OP GIN
5	COYANOSA CO-OP GIN
6	TREES, EDITH L. TRUST PNC BANK
7	TREES, EDITH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

SUPERELEVATION DATA PR.FM1776.CURVE-1	
RADIUS	1,800.77
SUPERELEVATION RATE (%)	3.00
TRANSITION LENGTH	150.00
BEGIN SPIRAL (BS)	982+01.38
BEGIN PC TRANSITION (BTC)	982+51.38
BEGIN PT TRANSITION (BTT)	983+51.38
END SPIRAL (ES)	984+01.38
END PC TRANSITION (ETC)	987+28
END PT TRANSITION (ETT)	988+28
BEGIN SPIRAL (BS)	989+67.56
BEGIN PC TRANSITION (BTC)	989+67.56
BEGIN PT TRANSITION (BTT)	990+67.56
END SPIRAL (ES)	991+17.56
END PC TRANSITION (ETC)	993+50
END PT TRANSITION (ETT)	994+50









TEXAS DEPARTMENT OF TRANSPORTATION
ODESSA DISTRICT

DESIGN SCHEMATIC

JOHN SPEED, P.E.
DISTRICT ENGINEER

FM 1776
PECOS COUNTY

CSJ: 2262-02-013
FROM: 2 MILES NORTH OF FM 1450
TO: FM 1450

CSJ: 2262-03-014
FROM: FM 1450
TO: 2 MILES SOUTH OF FM 1450

FM 1776 NET LENGTH OF PROJECT: 2.77 MILES
FM 1450 NET LENGTH OF PROJECT: 0.76 MILES

FUNCTIONAL CLASSIFICATION:
MAJOR COLLECTOR
FM 1776 DESIGN SPEED = 35 MPH
FM 1450 @ FM 1776 DESIGN SPEED = 55 MPH
CONNECTING ROADWAYS DESIGN SPEED = 30 MPH

TRAFFIC DATA

TRAFFIC VOLUMES BASED ON YEAR 2021 PROJECTIONS TRANSPORTATION PLANNING DIVISION DATED FEBRUARY 8, 2017

	FM 1776 FROM Beginning Project TO FM 1450	FM 1776 FROM FM 1450 TO End of Project
AVERAGE DAILY TRAFFIC - 2012(2037)	1,300(2,300)	1,750(2,700)
DIRECTIONAL DISTRIBUTION (%)	51-49	51-49
PERCENT TRUCKS OF DHV	46.1	46.1
K FACTOR	11.8	11.8

END PROJECT
STA 854+35.22
STA 1164+00 (PWT76)
(Sta. 2262-02-013)
BEGIN CSJ: 2262-02-013
FM 1776 STA 537+17.05
FM 1450 STA 537+89.30
END CSJ: 2262-03-014
FM 1776 STA 1026+35.2
FM 1450 STA 563+75.8
BEGIN PROJECT
STA 1 (PWT)+00.00
(Sta. 2262-03-014)
0 1 2 3 4 5 MILES
PROJECT LOCATION
PECOS COUNTY
ODESSA DISTRICT

FM1776 SCHEMATIC
OCTOBER 24, 2018

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

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

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PRELIMINARY REVIEW SUBMITTAL. IT IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

Texas Department of Transportation

COUNTY: PECOS
DATE: OCTOBER 2018

FM 1776 SCHEMATIC

ROLL 1 OF 5

Texas Department of Transportation
Odessa District
Design Division
Roadway Section

CIVIL ASSOCIATES, INC.
Texas Registered Firm F-000981
1000 E. 2nd Street, Odessa, Texas 79761
Phone: (432) 332-2600

TEXAS DEPARTMENT OF TRANSPORTATION
ODESSA DISTRICT

DESIGN SCHEMATIC

JOHN SPEED, P.E.
DISTRICT ENGINEER

FM 1776
PECOS COUNTY

CSJ: 2262-02-013
FROM: 2 MILES NORTH OF FM 1450
TO: FM 1450

CSJ: 2262-03-014
FROM: FM 1450
TO: 2 MILES SOUTH OF FM 1450

FM 1776 NET LENGTH OF PROJECT: 2.77 MILES
FM 1450 NET LENGTH OF PROJECT: 0.76 MILES

FUNCTIONAL CLASSIFICATION:
MAJOR COLLECTOR
FM 1776 RURAL MAJOR COLLECTOR
FM 1450 @ FM 1776 DESIGN SPEED = 70 MPH
CONNECTING ROADWAYS DESIGN SPEED = 30 MPH

TRAFFIC DATA

TRAFFIC VOLUMES BASED ON YEAR 2027 PROJECTIONS FROM BRIDGE DIVISION DATED FEBRUARY 8, 2017	FM 1776 FROM BEGIN of Project TO FM 1450	FM 1776 FROM FM 1450 TO End of Project
AVERAGE DAILY TRAFFIC - 2015(2027)	1,300(2,300)	1,750(2,700)
DIRECTIONAL DISTRIBUTION (%)	51-49	51-49
PERCENT TRUCKS OF DHV	45.1	45.1
K FACTOR	11.8	11.8

FM1776 SCHEMATIC
OCTOBER 24, 2018

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

NASER ARUSAAD, P.E., AICP
LICENSE NO. 93200

Texas Department of Transportation
Texas Department of Public Transport
Texas Department of Public Transport
Texas Department of Public Transport

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PRELIMINARY REVIEW SUBMITTAL. IT IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

COUNTY: PECOS
DATE: OCTOBER 2018

FM 1776 SCHEMATIC

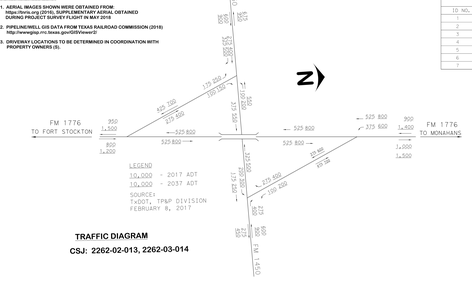
ROLL 2 OF 5

LEGEND

- REMOVE PAVEMENT
- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- PROPOSED BRIDGE
- PROPOSED LANE
- CONSTRAINT
- EXISTING STRUCTURES
- EXISTING SURFACE WELL
- EXISTING BOTTOM WELL
- EXISTING WELL LINE
- EXISTING PIPE LINES
- PARCEL BOUNDARY
- EXISTING R.O.W.
- PROPOSED R.O.W.
- 5 PARCEL ID NUMBER

GENERAL NOTES

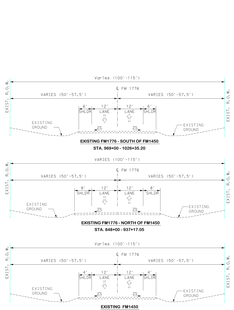
1. AERIAL IMAGES SHOWN WERE OBTAINED FROM https://arcis.org (2015), SUPPLEMENTARY AERIAL OBTAINED DURING PROJECT SURVEY FLIGHT IN MAY 2018
2. PIPELINE/WELL GIS DATA FROM TEXAS RAILROAD COMMISSION (2018) http://www.gis.rrc.texas.gov/GISViewer2/
3. DRIVEWAY LOCATIONS TO BE DETERMINED IN COORDINATION WITH PROPERTY OWNERS (S).

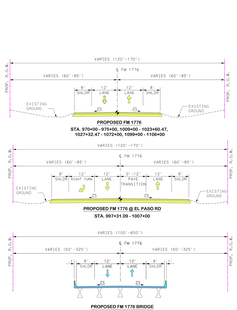


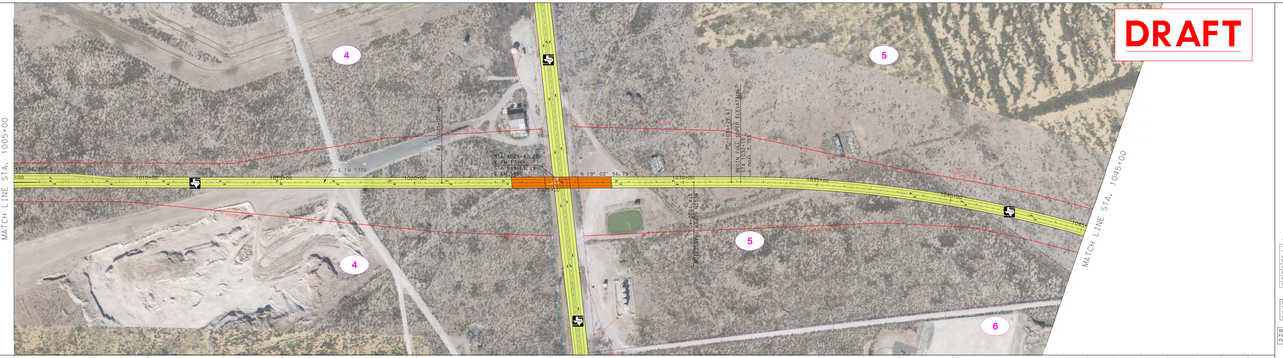
TRAFFIC DIAGRAM
CSJ: 2262-02-013, 2262-03-014

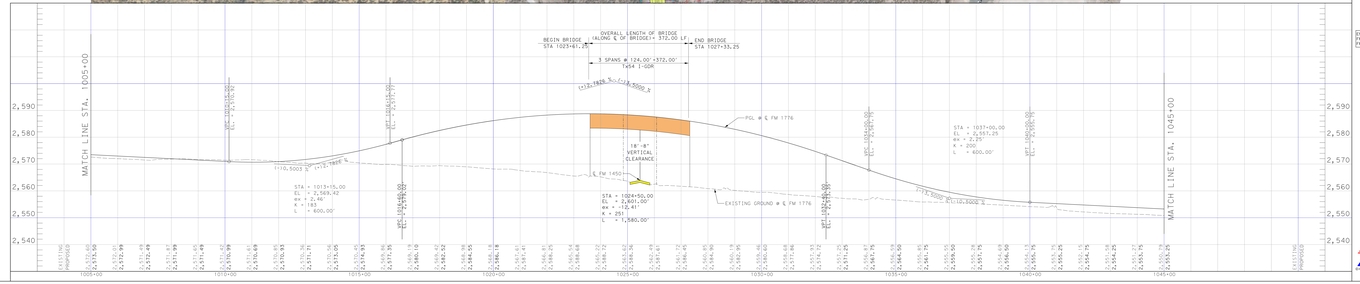
PROPERTY OWNERSHIP TABLE PECOS COUNTY APPRAISAL DISTRICT (DATE LAST MODIFIED:NOVEMBER 17, 2016) FM 1776	
ID NO.	OWNER
1	JAMES W. CARTER III NON-EXEMPT CHILDS TR
2	BRADEN, ELMER C. JR
3	ROADRUNNER GAS TRANSMISSION LLC
4	COYANOSA CO-OP GTN
5	COYANOSA CO-OP GTN
6	TREES, EDITH L. TRUST PNC BANK
7	TREES,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

SUPERELEVATION DATA FM_FM1776_CURVE_2	
CURVE DATA	4+00.00
SUPERELEVATION RATE (%)	4.00
RC TYPE	TRANSITION
BC TRANSITION (%)	0.00
BC TRANSITION (STA)	1013+26.61
EC TRANSITION (%)	4.00
EC TRANSITION (STA)	1013+26.61
END RC TRANSITION (%)	0.00
END RC TRANSITION (STA)	1024+26.61
BC TRANSITION (%)	0.00
BC TRANSITION (STA)	1024+26.61
EC TRANSITION (%)	4.00
EC TRANSITION (STA)	1024+26.61
END RC TRANSITION (%)	0.00
END RC TRANSITION (STA)	1034+26.61









TEXAS DEPARTMENT OF TRANSPORTATION
ODESSA DISTRICT

DESIGN SCHEMATIC

JOHN SPEED, P.E.
DISTRICT ENGINEER

FM 1776
PECOS COUNTY

CSJ: 2262-02-013
FROM: 2 MILES NORTH OF FM 1450
TO: FM 1450

CSJ: 2262-03-014
FROM: FM 1450
TO: 2 MILES SOUTH OF FM 1450

FM 1776 NET LENGTH OF PROJECT: 2.77 MILES
FM 1450 NET LENGTH OF PROJECT: 0.76 MILES

FUNCTIONAL CLASSIFICATION:
MAJOR COLLECTOR
FM 1776 RURAL MAJOR COLLECTOR
FM 1450 @ FM 1776 DESIGN SPEED = 70 MPH
CONNECTING ROADWAYS DESIGN SPEED = 30 MPH

TRAFFIC DATA

TRAFFIC VOLUMES BASED ON YEAR 2027 PROJECTIONS FROM BRIDGE DIVISION DATED FEBRUARY 8, 2017	FM 1776 FROM BEGIN of Project TO FM 1450	FM 1776 FROM FM 1450 TO End of Project
AVERAGE DAILY TRAFFIC - 2015(2027)	1,300(2,300)	1,750(2,700)
DIRECTIONAL DISTRIBUTION (%)	51-49	51-49
PERCENT TRUCKS OF DHV	45.1	45.1
K FACTOR	11.8	11.8

FM1776 SCHEMATIC
OCTOBER 24, 2018

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

NASER ARUSAAD, P.E., AICP
LICENSE NO. 93200

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PRELIMINARY REVIEW SUBMITTAL. IT IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

COUNTY: PECOS
DATE: OCTOBER 2018

FM 1776 SCHEMATIC

ROLL 2 OF 5

TEXAS DEPARTMENT OF TRANSPORTATION
ODESSA DISTRICT

DESIGN SCHEMATIC

JOHN SPEED, P.E.
DISTRICT ENGINEER

FM 1776
PECOS COUNTY

CSJ: 2262-02-013
FROM: 2 MILES NORTH OF FM 1450
TO: FM 1450

CSJ: 2262-03-014
FROM: FM 1450
TO: 2 MILES SOUTH OF FM 1450

FM 1776 NET LENGTH OF PROJECT: 2.77 MILES
FM 1450 NET LENGTH OF PROJECT: 0.76 MILES

FUNCTIONAL CLASSIFICATION:
MAJOR COLLECTOR
FM 1776 DESIGN SPEED = 35 MPH
FM 1450 @ FM 1776 DESIGN SPEED = 70 MPH
CONNECTING ROADWAYS DESIGN SPEED = 30 MPH

TRAFFIC DATA

TRAFFIC VOLUMES BASED ON YEAR 2027 PROJECTIONS PROVIDED BY TPP TRAFFIC DIVISION DATED FEBRUARY 8, 2017	FM 1776 FROM 2 Miles North of Project TO FM 1450	FM 1776 FROM FM 1450 TO End of Project
AVERAGE DAILY TRAFFIC - 2017(2027)	1,350(2,350)	1,750(2,750)
DIRECTIONAL DISTRIBUTION (%)	51-49	51-49
PERCENT TRUCKS OF DHV	45.1	45.1
K FACTOR	11.8	11.8

END PROJECT
STA 854+35.22=
STA 1114+00 (PWT776)=
(Sta. 2262-02-013)

BEGIN CSJ: 2262-02-013=
FM 1776 STA 837+17.05
FM 1450 STA 537+99.30

END CSJ: 2262-03-014=
FM 1776 STA 1026+35.2
FM 1450 STA 563+73.8

BEGIN PROJECT
STA 1080+00 (PWT776)=
(Sta. 2262-03-014)

0 1 2 3 4 5 MILES

PROJECT LOCATION
PECOS COUNTY
ODESSA DISTRICT

FM1776 SCHEMATIC
OCTOBER 24, 2018

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

NASER ARUSAAD, P.E., AICP
LICENSE NO. 93200

Texas Department of Transportation
Transportation Planning and Programming
Texas Department of Transportation
Transportation Planning and Programming

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PRELIMINARY REVIEW SUBMITTAL. IT IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

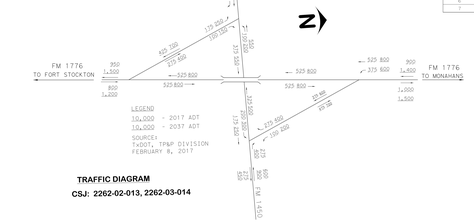
FM 1776 SCHEMATIC
COUNTY: PECOS
DATE: OCTOBER 2018
ROLL 3 OF 5
CSJ: 2262-02-013
CSJ: 2262-03-014

N
0 50 100 200
SCALE IN FEET

LEGEND
- REMOVE PAVEMENT
- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- PROPOSED BRIDGE
- PROPOSED LANE
- CONSTRAINT
- EXISTING STRUCTURES
- EXISTING SURFACE WELL
- EXISTING BOTTOM WELL
- EXISTING WELL LINE
- EXISTING PIPE LINES
- PARCEL BOUNDARY
- EXISTING R.O.W.
- PROPOSED R.O.W.
- 5 PARCEL ID NUMBER

GENERAL NOTES

1. AERIAL IMAGES SHOWN WERE OBTAINED FROM https://arcis.org (2015), 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 (3).


FM 1776
TO FORT STOCKTON
FM 1776
TO MONAHANS
FM 1450
525 800
375 600
900
1,200
800
1,200
525 800
525 800
525 800
375 600
375 600
375 600

TEXAS DEPARTMENT OF TRANSPORTATION
ODESSA DISTRICT

DESIGN SCHEMATIC

JOHN SPEED, P.E.
DISTRICT ENGINEER

FM 1776
PECOS COUNTY

CSJ: 2262-02-013
FROM: 2 MILES NORTH OF FM 1450
TO: FM 1450

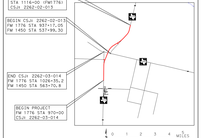
CSJ: 2262-03-014
FROM: FM 1450
TO: 2 MILES SOUTH OF FM 1450

FM 1776 NET LENGTH OF PROJECT: 2.77 MILES
FM 1450 NET LENGTH OF PROJECT: 0.76 MILES

FUNCTIONAL CLASSIFICATION:
MAJOR COLLECTOR
FM 1776 DESIGN SPEED = 35 MPH
FM 1450 @ FM 1776 DESIGN SPEED = 70 MPH
CONNECTING ROADWAYS DESIGN SPEED = 30 MPH

TRAFFIC DATA

TRAFFIC VOLUMES BASED ON YEAR 2021 PROJECTIONS PROVIDED BY TRAFFIC DIVISION DATED FEBRUARY 8, 2017	FM 1776 FROM BEG of Project TO FM 1450	FM 1776 FROM FM 1450 TO End of Project
AVERAGE DAILY TRAFFIC - 2012(2037)	1,395(2,300)	1,755(2,700)
DIRECTIONAL DISTRIBUTION (%)	51-49	51-49
PERCENT TRUCKS OF DHV	46.1	46.1
K FACTOR	11.8	11.8



FM1776 SCHEMATIC
OCTOBER 24, 2018

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

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

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PRELIMINARY REVIEW SUBMITTAL. IT IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

Texas Department of Transportation

COUNTY: PECOS
DATE: OCTOBER 2018

FM 1776 SCHEMATIC

ROLL 4 OF 5

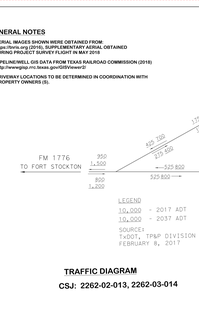
GENERAL NOTES

1. AERIAL IMAGES SHOWN WERE OBTAINED FROM https://arcis.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 (3).

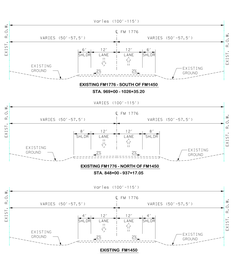
SCALE IN FEET: 0 50 100 200

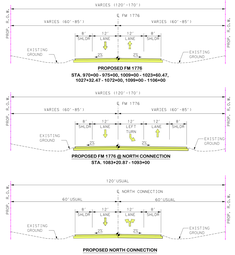
LEGEND

- REMOVE PAVEMENT
- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- PROPOSED BRIDGE
- PROPOSED LANE
- CONSTRAINT
- EXISTING STRUCTURES
- EXISTING SURFACE WELL
- EXISTING BOTTOM WELL
- EXISTING WELL LINE
- EXISTING PIPE LINES
- PARCEL BOUNDARY
- EXISTING R.O.W.
- PROPOSED R.O.W.
- 5 PARCEL ID NUMBER



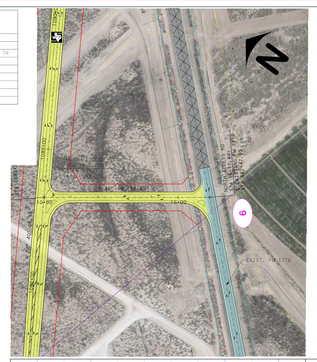
TRAFFIC DIAGRAM
CSJ: 2262-02-013, 2262-03-014

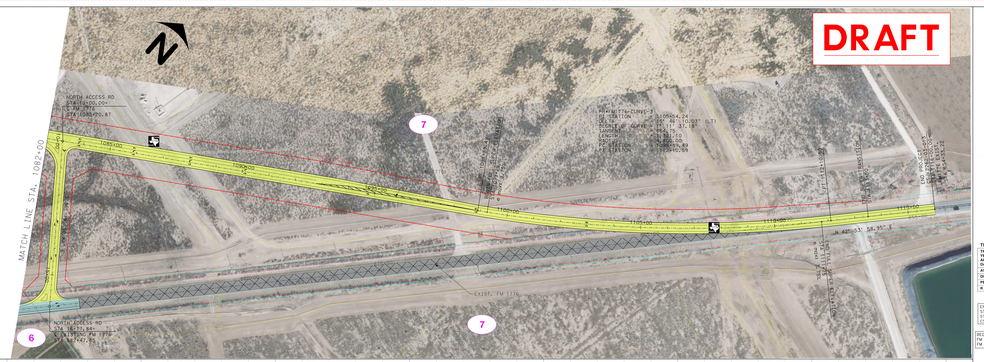


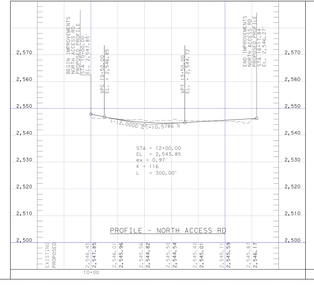


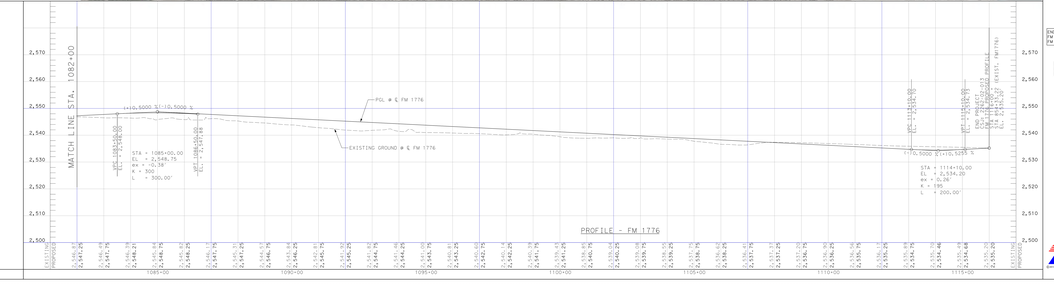
PROPERTY OWNERSHIP TABLE PECOS COUNTY APPRAISAL DISTRICT (DATE LAST MODIFIED:NOVEMBER 17, 2016) FM 1776	
ID NO.	OWNER
1	JAMES W. CARTER III NON-EXEMPT CHILDS TR
2	BRADEN, ELMER C. JR
3	ROADRUNNER GAS TRANSMISSION LLC
4	COYANOSA CO-OP GIN
5	COYANOSA CO-OP GIN
6	TREES, EDITH L. TRUST PNC BANK
7	TREES,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

SUPERELEVATION DATA PR_FM1776_CURVE_3	
RADIUS	14800 FT
SUPERELEVATION RATE (%)	1.5
DESIGN SPEED (MPH)	35
BEGIN PC TRANSITION (STA)	1006+20.87 LT
BEGIN PT TRANSITION (STA)	1006+20.87
END PC TRANSITION (STA)	1009+20.87
END PT TRANSITION (STA)	1012+20.87
BEGIN PC TRANSITION (STA)	1024+32.47 LT
BEGIN PT TRANSITION (STA)	1024+32.47
END PC TRANSITION (STA)	1027+32.47
END PT TRANSITION (STA)	1030+32.47









TEXAS DEPARTMENT OF TRANSPORTATION
ODESSA DISTRICT

DESIGN SCHEMATIC

JOHN SPEED, P.E.
DISTRICT ENGINEER

FM 1776
PECOS COUNTY

CSJ: 2262-02-013
FROM: 2 MILES NORTH OF FM 1450
TO: FM 1450

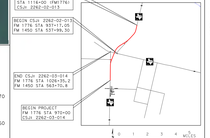
CSJ: 2262-03-014
FROM: FM 1450
TO: 2 MILES SOUTH OF FM 1450

FM 1776 NET LENGTH OF PROJECT: 2.77 MILES
FM 1450 NET LENGTH OF PROJECT: 0.76 MILES

FUNCTIONAL CLASSIFICATION:
MAJOR COLLECTOR
FM 1776 DESIGN SPEED = 35 MPH
FM 1450 @ FM 1776 DESIGN SPEED = 70 MPH
CONNECTING ROADWAYS DESIGN SPEED = 30 MPH

TRAFFIC DATA

TRAFFIC VOLUMES BASED ON YEAR 2021 PROJECTIONS PROVIDED BY TRAFFIC DIVISION DATED FEBRUARY 8, 2017	FM 1776 FROM BEG of Project TO FM 1450	FM 1776 FROM FM 1450 TO End of Project
AVERAGE DAILY TRAFFIC - 2012(2037)	1,395(2,300)	1,755(2,700)
DIRECTIONAL DISTRIBUTION (%)	51-49	51-49
PERCENT TRUCKS OF DHV	46.1	46.1
K FACTOR	11.8	11.8



FM1776 SCHEMATIC
OCTOBER 24, 2018

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

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

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PRELIMINARY REVIEW SUBMITTAL. IT IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

Texas Department of Transportation

COUNTY: PECOS
DATE: OCTOBER 2018

FM 1776 SCHEMATIC

ROLL 4 OF 5

TEXAS DEPARTMENT OF TRANSPORTATION
ODESSA DISTRICT

DESIGN SCHEMATIC

JOHN SPEED, P.E.
DISTRICT ENGINEER

FM 1776
PECOS COUNTY

CSJ: 2262-02-013
FROM: 2 MILES NORTH OF FM 1450
TO: FM 1450

CSJ: 2262-03-014
FROM: FM 1450
TO: 2 MILES SOUTH OF FM 1450

FM 1776 NET LENGTH OF PROJECT: 2.77 MILES
FM 1450 NET LENGTH OF PROJECT: 0.76 MILES

FUNCTIONAL CLASSIFICATION:
MAJOR COLLECTOR
FM 1776 DESIGN SPEED = 35 MPH
FM 1450 @ FM 1776 DESIGN SPEED = 35 MPH
CONNECTING ROADWAYS DESIGN SPEED = 30 MPH

TRAFFIC DATA

TRAFFIC VOLUMES BASED ON YEAR 2027 PROJECTIONS PROVIDED BY TRAFFIC DIVISION DATED FEBRUARY 8, 2017	FM 1776 FROM BEGIN Of Project TO FM 1450	FM 1776 FROM FM 1450 TO End of Project
AVERAGE DAILY TRAFFIC - 2017(2027)	1,350(2,350)	1,750(2,700)
DIRECTIONAL DISTRIBUTION (%)	51-49	51-49
PERCENT TRUCKS OF DHV	45.1	45.1
K FACTOR	11.8	11.8

FM1776 SCHEMATIC
OCTOBER 24, 2018

PREPARED BY:
CIVIL ASSOCIATES, INC.
TBPE REGISTRATION NO. F-000891

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

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PRELIMINARY REVIEW SUBMITTAL. IT IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

Texas Department of Transportation

COUNTY: PECOS
DATE: OCTOBER 2018

FM 1776 SCHEMATIC

ROLL 5 OF 5

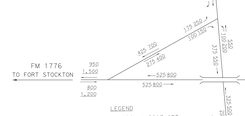
GENERAL NOTES

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://www.gis.rrc.texas.gov/GISViewer2/
3. DRIVEWAY LOCATIONS TO BE DETERMINED IN COORDINATION WITH PROPERTY OWNERS (S).

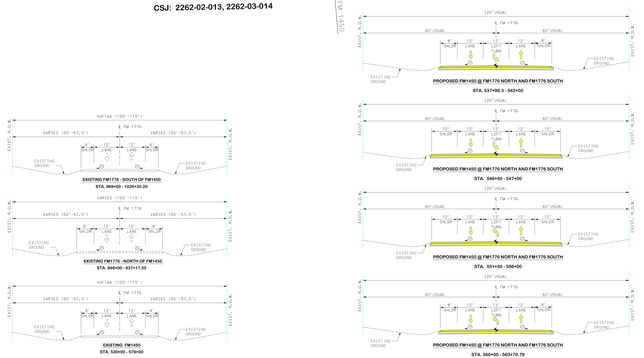
LEGEND

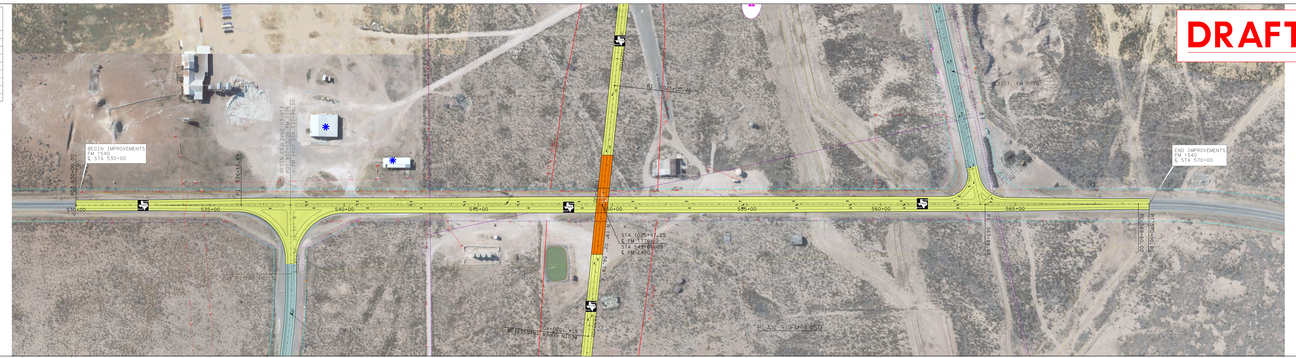
- REMOVE PAVEMENT
- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- PROPOSED BRIDGE
- PROPOSED LANE
- CONSTRAINT
- EXISTING STRUCTURES
- EXISTING SURFACE WELL
- EXISTING BOTTOM WELL
- EXISTING WELL LINE
- EXISTING PIPE LINES
- PARCEL BOUNDARY
- EXISTING R.O.W.
- PROPOSED R.O.W.
- 5 PARCEL ID NUMBER

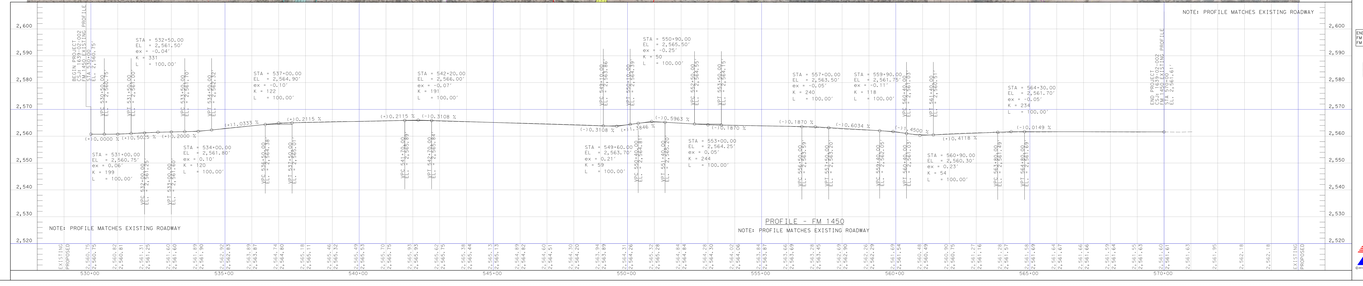
PROPERTY OWNERSHIP TABLE PECOS COUNTY APPRAISAL DISTRICT (DATE LAST MODIFIED:NOVEMBER 17, 2016) FM 1776	
ID NO.	OWNER
1	JAMES W. CARTER III NON-EXEMPT CHILDS TR
2	BRADEN, ELMER C., JR
3	HUNDRED GAT TRANSMISSION LLC
4	COYANOSA CO-OP GIN
5	COYANOSA CO-OP GIN
6	TREES, EDITH L. TRUST PNC BANK
7	TREES, EDITH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



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







TEXAS DEPARTMENT OF TRANSPORTATION
ODESSA DISTRICT

DESIGN SCHEMATIC

JOHN SPEED, P.E.
DISTRICT ENGINEER

FM 1776
PECOS COUNTY

CSJ: 2262-02-013
FROM: 2 MILES NORTH OF FM 1450
TO: FM 1450

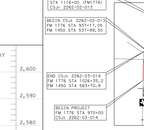
CSJ: 2262-03-014
FROM: FM 1450
TO: 2 MILES SOUTH OF FM 1450

FM 1776 NET LENGTH OF PROJECT: 2.77 MILES
FM 1450 NET LENGTH OF PROJECT: 0.76 MILES

FUNCTIONAL CLASSIFICATION:
MAJOR COLLECTOR
FM 1776 DESIGN SPEED = 35 MPH
FM 1450 @ FM 1776 DESIGN SPEED = 35 MPH
CONNECTING ROADWAYS DESIGN SPEED = 30 MPH

TRAFFIC DATA

TRAFFIC VOLUMES BASED ON YEAR 2027 PROJECTIONS PROVIDED BY TRAFFIC DIVISION DATED FEBRUARY 8, 2017	FM 1776 FROM BEGIN Of Project TO FM 1450	FM 1776 FROM FM 1450 TO End of Project
AVERAGE DAILY TRAFFIC - 2017(2027)	1,350(2,350)	1,750(2,700)
DIRECTIONAL DISTRIBUTION (%)	51-49	51-49
PERCENT TRUCKS OF DHV	45.1	45.1
K FACTOR	11.8	11.8



FM1776 SCHEMATIC
OCTOBER 24, 2018

PREPARED BY:
CIVIL ASSOCIATES, INC.
TBPE REGISTRATION NO. F-000891

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

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PRELIMINARY REVIEW SUBMITTAL. IT IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

Texas Department of Transportation

COUNTY: PECOS
DATE: OCTOBER 2018

FM 1776 SCHEMATIC

ROLL 5 OF 5