Texas Department of Transportation

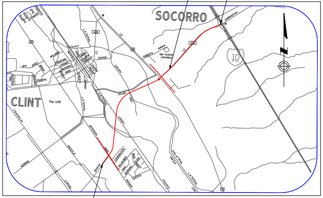
# FM 1110 WIDENING AND REALIGNMENT

## FROM I-10 TO SH 20

## EL PASO, TEXAS

ROLL 1 OF 1

| DATE: | 5/5/2016 | STATE DISTRICT | COUNTY | CONTROL NO. | SEC. NO. | JOB NO. |
|---|---|---|---|---|---|---|
| DATE REV.: | 12/17/2015 | ELP | EL PASO | 1281 | 02 | 007, ETC |


LIMIT PHASE I
LIMIT PHASE II
STA 97+97.07
LIMIT PHASE I
CSJ: 1281-02-007, ETC
STA 149+73.46
SOCORRO
CLINT
10
LIMIT PHASE II
CSJ: 1281-02-007, ETC
STA 4+00.00

## VICINITY MAP

EL PASO COUNTY
NOT TO SCALE

FUNCTIONAL CLASSIFICATION:

| | | |
|---|---|---|
| FM 1110 | - 45 MPH | - URBAN MINOR ARTERIAL |
| SH 20 | - 50 MPH | - URBAN PRINCIPAL ARTERIAL |
| FM 76 | - 50 MPH | - URBAN PRINCIPAL ARTERIAL |
| CELUM RD | - 40 MPH | - URBAN COLLECTOR |
| DENTON RD | - 30 MPH | - URBAN LOCAL |

PROJECT LENGTH:

APPROXIMATELY 2.76 MILES
LIMITS FROM I-10 TO SH 20

GENERAL NOTES:

1. PROJECT CONTROL BASED UPON CONTROL POINTS 1 THOUGH 4 ON SHEET 2 OF LRTA INC. PLANS OF PROPOSED RIGHT OF WAY PROJECT, FROM TXDOT CSJ 1281-02-006. ALL PROJECT COORDINATES ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, TEXAS CENTRAL ZONE, NAD 83/ NAVD 88. ALL COORDINATES SHOWN ARE SURFACE AND CAN BE CONVERTED TO GRID BY DIVIDING BY A SCALE FACTOR OF 1.000231. UNIT OF MEASURE IS U.S. SURVEY FOOT.

| | | | | |
|---|---|---|---|---|
| CP#1: | N=10,597,600.17; | E=471,921.01; | ELEV.=3,812.01'; | 3-1/4" TXDOT ALUM DISK |
| CP#2: | N=10,596,680.52; | E=472,515.14; | ELEV.=3,784.84'; | 3-1/4" TXDOT ALUM DISK |
| CP#3: | N=10,595,095.57; | E=473,457.09; | ELEV.=3,781.41'; | 3-1/4" TXDOT ALUM DISK |
| CP#4: | N=10,594,224.89; | E=474,481.48; | ELEV.=3,793.02'; | 5/8" IR W/ 3-1/4" TXDOT ALUM DISK |

2. ALL DRIVEWAYS IMPACTED BY CONSTRUCTION TO BE RECONSTRUCTED.

3. ROADWAY GEOMETRY AND ROADSIDE ELEMENTS TO BE REFINED DURING PS&E.

0 100 200
HORIZONTAL
0 20 40
VERTICAL

60%
SUBMITTAL

HNTB Corporation
The HNTB Companies
Engineers Architects Planners

| FED. RD. DIV. NO. | FEDERAL AID PROJECT | | SHEET NO. |
|---|---|---|---|
| | | | 1 |
| STATE | DIST. | COUNTY | |
| TEXAS | ELP | EL PASO | |
| CONTROL | SECTION | JOB | HIGHWAY NO. |
| 1281 | 02 | 007, ETC | FM 1110 |

HNTB CORPORATION

PRELIMINARY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.
ENGINEER: SULAIMAN S. ARAIN, P.E.
P.E. SERIAL NO. 119331
DATE: 5/3/2016

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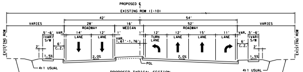
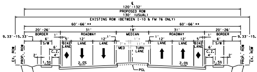


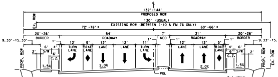
PROPOSED TYPICAL SECTION
FM 1110: 4-LANE URBAN MINOR ARTERIAL
STA 148+17 TO STA 148+66
SECTION A-A



PROPOSED TYPICAL SECTION
FM 1110: 4-LANE URBAN MINOR ARTERIAL
STA 22+03 TO STA 41+41
STA 47+27 TO STA 77+57
STA 96+58 TO STA 142+87
SECTION B-B

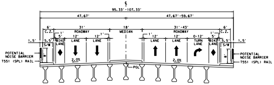
* INTENDED TO DEPICT MEDIAN TURN LANE WHERE APPLICABLE (SEE PLAN VIEW)

** ADDITIONAL ROW IS REQUIRED AT RETENTION BASINS AND OTHER PROPOSED DRAINAGE STRUCTURE LOCATIONS (SEE PLAN VIEW)

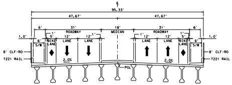


PROPOSED TYPICAL SECTION
FM 1110: 4-LANE URBAN MINOR ARTERIAL
STA 13+74 TO STA 20+57
STA 90+89 TO STA 95+12
SECTION C-C

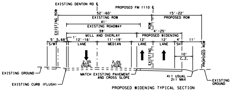
* ADDITIONAL ROW IS REQUIRED AT RETENTION BASINS AND OTHER PROPOSED DRAINAGE STRUCTURE LOCATIONS (SEE PLAN VIEW)



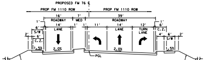
PROPOSED BRIDGE TYPICAL SECTION
FM 1110: 4-LANE URBAN MINOR ARTERIAL
STA 79+77 TO STA 88+67
SECTION D-D



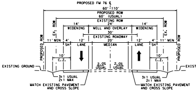
PROPOSED BRIDGE TYPICAL SECTION
FM 1110: 4-LANE URBAN MINOR ARTERIAL
STA 42+38 TO STA 46+37
SECTION E-E



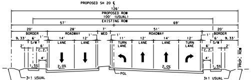
PROPOSED WIDENING TYPICAL SECTION
DENTON RD: 4-LANE URBAN LOCAL
STA 06+27 TO STA 10+29
SECTION F-F



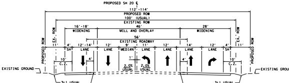
PROPOSED TYPICAL SECTION
FM 76: 2-LANE URBAN MINOR ARTERIAL
STA 24+46
SECTION G-G



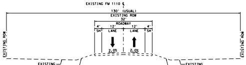
PROPOSED WIDENING TYPICAL SECTION
FM 76: 4-LANE URBAN MINOR ARTERIAL
STA 33+65
SECTION H-H



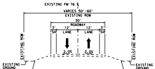
PROPOSED TYPICAL SECTION
SH 20: 4-LANE URBAN PRINCIPAL ARTERIAL
STA 22+93
SECTION I-I



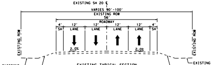
PROPOSED WIDENING TYPICAL SECTION
SH 20: 4-LANE URBAN MINOR ARTERIAL
STA 19+69 TO 22+62
SECTION J-J



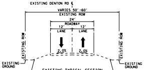
EXISTING TYPICAL SECTION
FM 1110: 2-LANE URBAN COLLECTOR



EXISTING TYPICAL SECTION
FM 76: 2-LANE RURAL MAJOR COLLECTOR

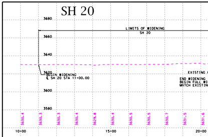


EXISTING TYPICAL SECTION
SH 20: 4-LANE URBAN MINOR ARTERIAL

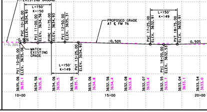


EXISTING TYPICAL SECTION
DENTON RD: 2-LANE URBAN LOCAL

SH 20



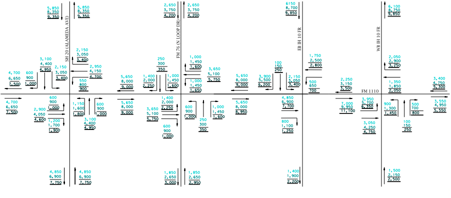
FM 76



| CURVE NO. | STATION | NORTHING | EASTING | BEARING/DELTA | LENGTH (FT) | TANGENT (FT) | RADIUS (FT) |
|---|---|---|---|---|---|---|---|
| FM 1110 (DESIGN SPEED: 45 MPH) | | | | | | | |
| | P.C. 13+34.34 | 10586578.86 | 464472.35 | N 37° 23′ 40.56" E | | | |
| FM1110-1 | P.I. 16+35.37 | 10586818.02 | 464655.17 | 31° 17′ 15.47" L | 587.03 | 301.03 | 1075.00 |
| | P.T. 19+21.37 | 10587117.34 | 464687.19 | N 6° 06′ 25.10" E | | | |
| | P.C. 44+99.99 | 10589681.33 | 464961.52 | N 6° 06′ 25.10" E | | | |
| FM1110-2 | P.I. 55+40.81 | 10590716.24 | 465072.25 | 60° 04′ 34.04" R | 1887.35 | 1040.83 | 1800.00 |
| | P.T. 63+87.34 | 10591136.54 | 466024.43 | N 66° 10′ 59.13" E | | | |
| | P.C. 84+14.87 | 10591955.29 | 467879.31 | N 66° 10′ 59.13" E | | | |
| FM1110-3 | P.I. 85+89.47 | 10592025.80 | 468039.03 | 18° 27′ 00.94" L | 346.17 | 174.60 | 1075.00 |
| | P.T. 87+61.04 | 10592143.23 | 468168.24 | N 47° 43′ 58.19" E | | | |
| | P.C. 98+31.29 | 10592863.07 | 468960.24 | N 47° 43′ 58.19" E | | | |
| FM1110-4 | P.I. 101+22.93 | 10593059.22 | 469176.06 | 5° 49′ 40.00" L | 582.78 | 291.64 | 5729.58 |
| | P.T. 104+14.07 | 10593276.28 | 469370.84 | N 41° 54′ 18.19" E | | | |
| | P.C. 131+67.80 | | | N 41° 54′ 18.19" E | | | |
| FM1110-5 | P.I. 136+56.49 | 10595689.46 | 471536.45 | 26° 12′ 00.89" R | 960.29 | 488.69 | 2100.00 |
| | P.T. 141+28.09 | 10595949.79 | 472184.23 | N 68° 06′ 19.08" E | | | |
| FM 1110 (DESIGN SPEED: 40 MPH) | | | | | | | |
| | P.C. 148+16.97 | 10596128.58 | 472629.09 | N 68° 06′ 19.08" E | | | |
| FM1110-6 | P.I. 148+91.34 | 10596156.31 | 472698.10 | 8° 30′ 25.08" L | 148.47 | 74.37 | 1000.00 |
| | P.T. 149+65.45 | 10596193.95 | 472762.24 | N 59° 35′ 54.00" E | | | |
| SH 20 (DESIGN SPEED: 50 MPH) NO CURVE | | | | | | | |
| FM 76 (DESIGN SPEED: 50 MPH) | | | | | | | |
| | P.C. 10+00.00 | 10591090.63 | 469355.15 | N 39° 20′ 33.51" W | | | |
| FM76-1 | P.I. 12+43.53 | 10591278.96 | 469200.76 | 3° 31′ 52.79" L | 486.90 | 243.53 | 7900.00 |
| | P.R.C. 14+86.90 | 10591457.43 | 469035.07 | N 42° 52′ 26.30" W | | | |
| | P.R.C. 14+86.90 | 10591457.43 | 469035.07 | N 42° 52′ 26.30" W | | | |
| FM76-2 | P.I. 17+30.43 | 10591635.90 | 468869.37 | 3° 31′ 52.79" R | 486.90 | 243.53 | 7900.00 |
| | P.T. 19+73.81 | 10591824.24 | 468714.99 | N 39° 20′ 33.51" W | | | |
| | P.C. 27+10.41 | 10592393.91 | 468248.01 | N 39° 20′ 33.51" W | | | |
| FM76-3 | P.I. 29+78.23 | 10592601.03 | 468078.22 | 3° 53′ 00.00" L | 535.44 | 267.82 | 7900.00 |
| | P.T. 32+45.85 | 10592796.18 | 467894.80 | N 43° 13′ 33.51" W | | | |

## ADT FORECAST

2018 2038 2048

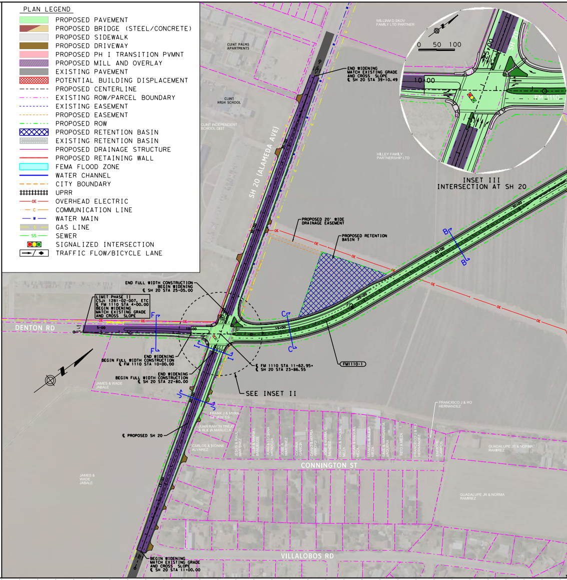


SH 20 (ALAMEDA AVE)
FM 76 (N LOOP DR)
EB IH 10 FR
WB IH 10 FR
FM 1110
5,850
8,350
9,350
6150
8,700
9,850
6,100
8,750
9,850
2,650
3,750
4,200

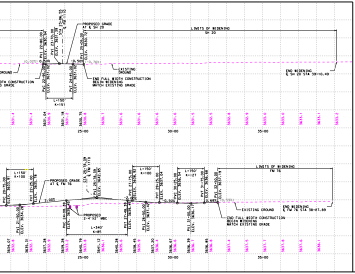
SOURCE: JACOBS ENGINEERING GROUP (TP&P APPROVED)

PLAN LEGEND

| | |
|---|---|
| 🟩 | PROPOSED PAVEMENT |
| ▨ | PROPOSED BRIDGE (STEEL/CONCRETE) |
| ▨ | PROPOSED SIDEWALK |
| ▨ | PROPOSED DRIVEWAY |
| ▨ | PROPOSED PH I TRANSITION PVMNT |
| ▨ | PROPOSED MILL AND OVERLAY |
| ▨ | EXISTING PAVEMENT |
| 🟥 | POTENTIAL BUILDING DISPLACEMENT |
| — · — | PROPOSED CENTERLINE |
| — · — | EXISTING ROW/PARCEL BOUNDARY |
| - - - | EXISTING EASEMENT |
| - - - | PROPOSED EASEMENT |
| — · — | PROPOSED ROW |
| ▨ | PROPOSED RETENTION BASIN |
| ▨ | EXISTING RETENTION BASIN |
| —— | PROPOSED DRAINAGE STRUCTURE |
| —— | PROPOSED RETAINING WALL |
| ▨ | FEMA FLOOD ZONE |
| —— | WATER CHANNEL |
| — — | CITY BOUNDARY |
| ┼┼┼┼ | UPRR |
| — OE — | OVERHEAD ELECTRIC |
| — C — | COMMUNICATION LINE |
| — W — | WATER MAIN |
| — G — | GAS LINE |
| — SS — | SEWER |
| ● | SIGNALIZED INTERSECTION |
| → / ◆ | TRAFFIC FLOW/BICYCLE LANE |

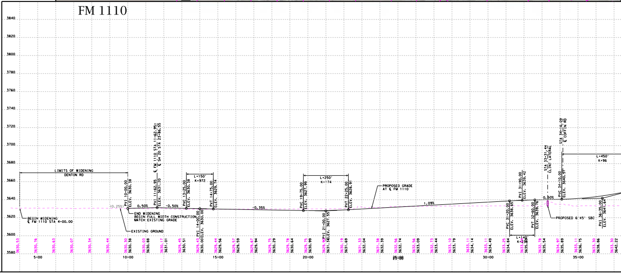


SH 20 (ALAMEDA AVE)
DENTON RD
FM 1110
CONNINGTON ST
VILLALOBOS RD
CLINT PALMS APARTMENTS
CLINT HIGH SCHOOL
CLINT INDEPENDENT SCHOOL DIST
WILLIAM D SKOV FAMILY LTD PARTNER
HILLEY FAMILY PARTNERSHIP LTD
JAMES & WADE JABALE
FRANCISCO J & HO HERNANDEZ
GUADALUPE JR & NORMA RAMIREZ
END WIDENING MATCH EXISTING GRADE AND CROSS SLOPE ℄ SH 20 STA 39+10.49
INSET III INTERSECTION AT SH 20
0 50 100
PROPOSED 20' WIDE DRAINAGE EASEMENT
PROPOSED RETENTION BASIN 7
END FULL WIDTH CONSTRUCTION BEGIN WIDENING ℄ SH 20 STA 25+05.00
LIMIT PHASE II CSJ: 1281-02-007, ETC ℄ FM 1110 STA 4+00.00 BEGIN WIDENING MATCH EXISTING GRADE AND CROSS SLOPE
END WIDENING BEGIN FULL WIDTH CONSTRUCTION ℄ FM 1110 STA 10+00.00
END WIDENING BEGIN FULL WIDTH CONSTRUCTION ℄ SH 20 STA 22+80.00
℄ FM 1110 STA 11+62.95= ℄ SH 20 STA 23+86.55
FM1110-1
SEE INSET II
PROPOSED SH 20
BEGIN WIDENING MATCH EXISTING GRADE AND CROSS SLOPE ℄ SH 20 STA 11+00.00
B
C
F
I
J

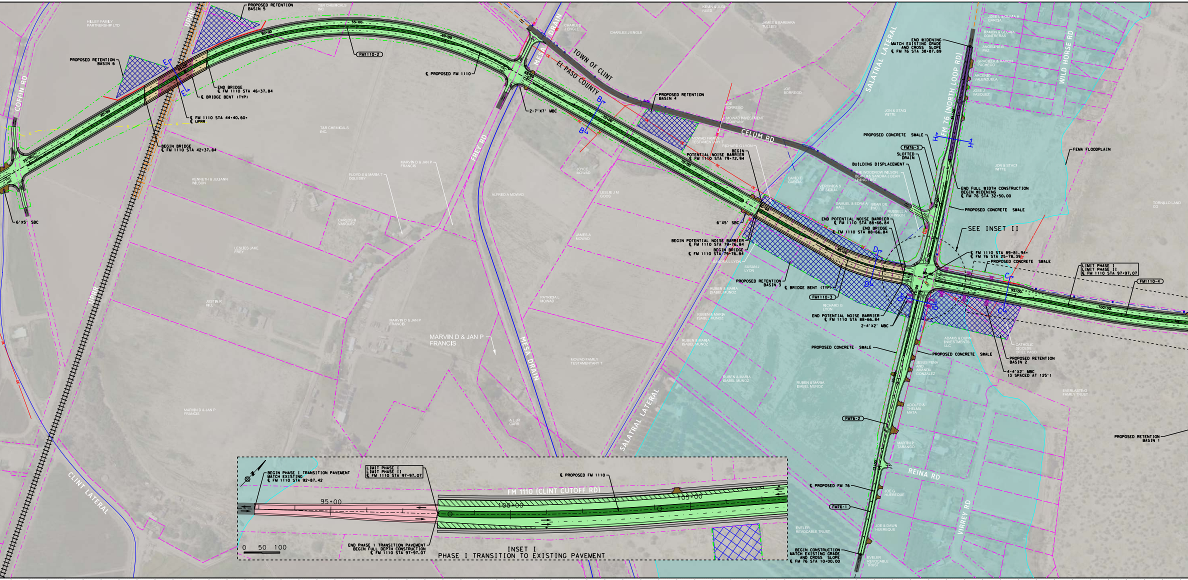


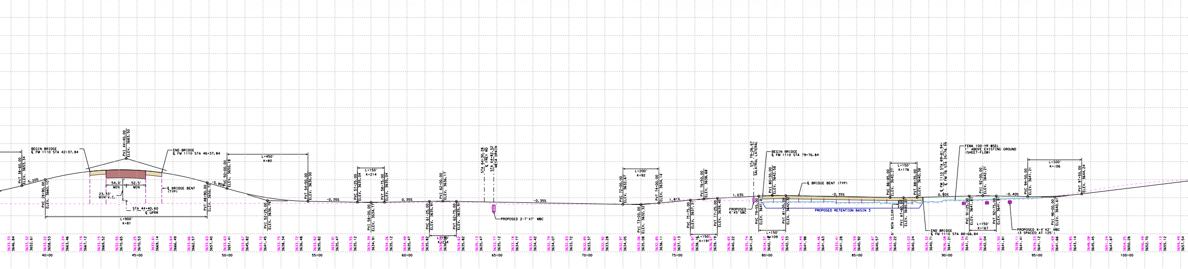
PROPOSED GRADE AT ℄ SH 20
LIMITS OF WIDENING SH 20
EXISTING GROUND
END FULL WIDTH CONSTRUCTION BEGIN WIDENING MATCH EXISTING GRADE
END WIDENING ℄ SH 20 STA 39+10.49
L=150' K=151
25+00
30+00
35+00
3680
3660
3640
3620
3600
3580
LIMITS OF WIDENING FM 76
PROPOSED GRADE AT ℄ FM 76
PROPOSED 2-4'X2' MBC
L=340' K=85
EXISTING GROUND
END FULL WIDTH CONSTRUCTION BEGIN WIDENING MATCH EXISTING GRADE
END WIDENING ℄ FM 76 STA 38+87.89
2.00%

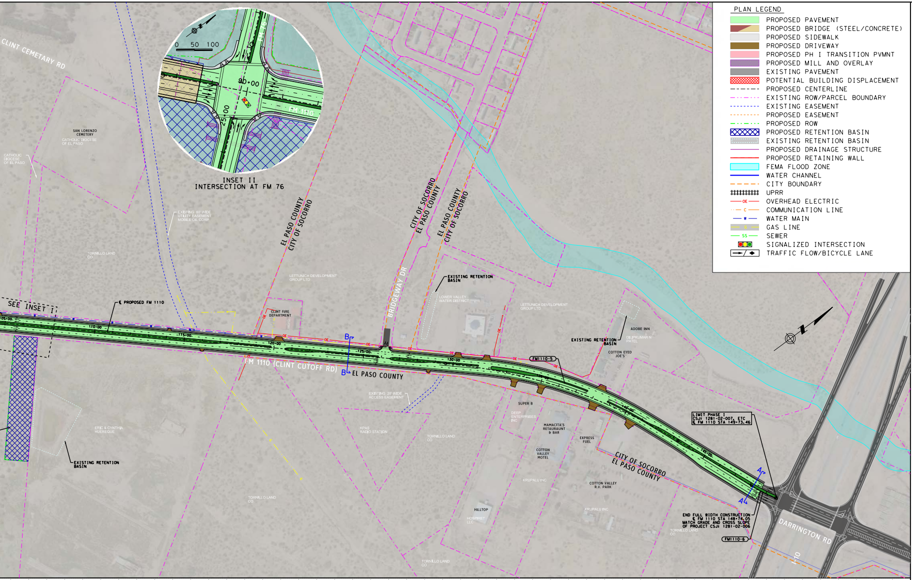
## FM 1110



LIMITS OF WIDENING DENTON RD
BEGIN WIDENING ℄ FM 1110 STA 4+00.00
END WIDENING BEGIN FULL WIDTH CONSTRUCTION MATCH EXISTING GRADE
EXISTING GROUND
℄ FM 1110 STA 11+62.95= ℄ SH 20 STA 23+86.55
L=150' K=972
L=250' K=174
PROPOSED GRADE AT ℄ FM 1110
PROPOSED 6'X5' SBC
L=450' K=96
0.50%
-0.50%
-0.35%
1.09%
3840
3820
3800
3780
3760
3740
3720
3700
3680
3660
3640
3620
3600
3580
5+00
10+00
15+00
20+00
25+00
30+00
35+00

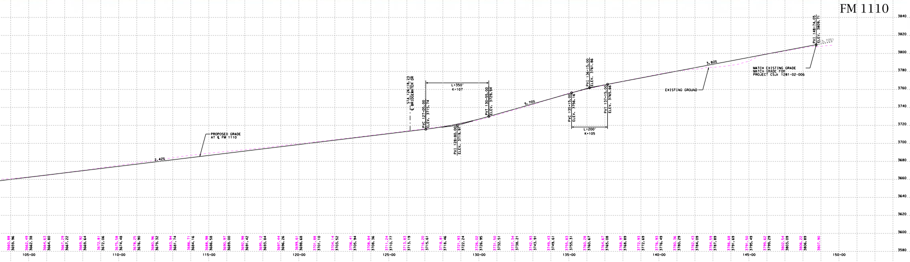

PROPOSED RETENTION BASIN 5
T&R CHEMICALS INC.
HILLEY FAMILY PARTNERSHIP LTD
UPRR
COFFIN RD
PROPOSED RETENTION BASIN 6
FM1110-2
END BRIDGE
℄ FM 1110 STA 46+37.84
℄ BRIDGE BENT (TYP)
℄ FM 1110 STA 44+40.60=
℄ UPRR
BEGIN BRIDGE
℄ FM 1110 STA 42+37.84
6'X5' SBC
35+00
40+00
45+00
50+00
55+00
60+00
70+00
75+00
80+00
85+00
95+00
100+00
℄ PROPOSED FM 1110
2-7'X7' MBC
MESA DRAIN
FREY RD
TOWN OF CLINT
EL PASO COUNTY
CHARLES J ENGLE
CHARLES J ENGLE
KEVIN & JUDI REED
JAMES & BARBARA TULLIUS
PROPOSED RETENTION BASIN 4
JOE BORREGO
JOE BORREGO
MOWAD INVESTMENT COMPANY
MOWAD FAMILY TESTAMENTARY T
CELUM RD
RICHARD G LYON
BEGIN POTENTIAL NOISE BARRIER
℄ FM 1110 STA 79+72.94
SALATRAL LATERAL
JON & STACI WITTE
FM 76 (NORTH LOOP RD)
WILD HORSE RD
JOSE L & OLIVIA H GARCIA
RAMON & GLORIA CONTRERAS
ANGELINA B PAZ
GRACIELA & RAMON PACHECO
ARCENIO VALENZUELA
JOSE J VASQUEZ
END WIDENING
MATCH EXISTING GRADE AND CROSS SLOPE
℄ FM 76 STA 38+87.89
PROPOSED CONCRETE SWALE
FM76-3
SLOTTED DRAIN
BUILDING DISPLACEMENT
THE WOODROW WILSON BEAN II & SANDRA J BEAN LIVING TRST
END FULL WIDTH CONSTRUCTION
BEGIN WIDENING
℄ FM 76 STA 32+50.00
PROPOSED CONCRETE SWALE
FEMA FLOODPLAIN
JON & STACI WITTE
TORNILLO LAND CO
KENNETH & JULIANN WILSON
FLOYD S & MARIA T OGLESBY
MARVIN D & JAN P FRANCIS
CARLOS R VASQUEZ
ALFRED A MOWAD
JOYCE MOWAD
LESLIE J M GOOS
JAMES A MOWAD
LESLIES JAKE FREY
DAVID T GARCIA
VERONICA S DE SICILIA
SAMUEL & EDRA A HALL
BEAN OIL INC
RUSSELL A JOHNSON
6'X5' SBC
END POTENTIAL NOISE BARRIER
℄ FM 1110 STA 88+66.84
END BRIDGE
℄ FM 1110 STA 88+66.84
SEE INSET II
BEGIN POTENTIAL NOISE BARRIER
℄ FM 1110 STA 79+76.84
BEGIN BRIDGE
℄ FM 1110 STA 79+76.84
SANDRA L LYON
SUSAN J LYON
D
℄ FM 1110 STA 89+81.94=
℄ FM 76 STA 25+78.39
PROPOSED CONCRETE SWALE
C
LIMIT PHASE I
LIMIT PHASE II
℄ FM 1110 STA 97+97.07
FM1110-4
PROPOSED RETENTION BASIN 3
℄ BRIDGE BENT (TYP)
FM1110-3
RICHARD G LYON
END POTENTIAL NOISE BARRIER
℄ FM 1110 STA 88+66.84
2-4'X2' MBC
RUBEN & MARIA ISABEL MUNOZ
RUBEN & MARIA ISABEL MUNOZ
RUBEN & MARIA ISABEL MUNOZ
RUBEN & MARIA ISABEL MUNOZ
RUBEN & MARIA ISABEL MUNOZ
PROPOSED CONCRETE SWALE
PROPOSED CONCRETE SWALE
ADAMS & DUNN INVESTMENTS LLC
CATHOLIC DIOCESE OF EL PASO
PROPOSED RETENTION BASIN 2
4-4'X2' MBC
(3 SPACED AT 125')
JESUS PENA AND AMANDA GONZALEZ
EVERLASTING FAMILY TRUST
PROPOSED RETENTION BASIN 1
JUSTIN R HILL
PATRICIA L MOWAD
MARVIN D & JAN P FRANCIS
MARVIN D & JAN P FRANCIS
MARVIN D & JAN P FRANCIS
MOWAD FAMILY TESTAMENTARY T
A LJR CARR
SALATRAL LATERAL
CLINT LATERAL
FM76-2
ADOLFO & THELMA MATA
MARTIN P TARANGO
REINA RD
VIRREY RD
℄ PROPOSED FM 76
FM76-1
JOE G HUEREQUE
JOE & DAWN HUEREQUE
EVELER REVOCABLE TRUST
EVELER REVOCABLE TRUST
BEGIN CONSTRUCTION
MATCH EXISTING GRADE AND CROSS SLOPE
℄ FM 76 STA 10+00.00
BEGIN PHASE I TRANSITION PAVEMENT
MATCH EXISTING
℄ FM 1110 STA 92+87.42
LIMIT PHASE I
LIMIT PHASE II
℄ FM 1110 STA 97+97.07
℄ PROPOSED FM 1110
FM 1110 (CLINT CUTOFF RD)
95+00
100+00
105+00
0 50 100
END PHASE I TRANSITION PAVEMENT
BEGIN FULL DEPTH CONSTRUCTION
℄ FM 1110 STA 97+97.07
INSET I
PHASE I TRANSITION TO EXISTING PAVEMENT


BEGIN BRIDGE
℄ FM 1110 STA 42+37.84
PVI 44+40.00
ELEV. 3683.50
END BRIDGE
℄ FM 1110 STA 46+37.84
PVT 38+60.00
ELEV. 3653.34
5.20%
PVC 39+90.00
ELEV. 3660.10
54.0' MIN
52.5' MIN
23.33' MIN V.C.
℄ BRIDGE BENT (TYP)
STA 44+40.60
℄ UPRR
L=900'
K=81
PVT 48+90.00
ELEV. 3656.72
-5.95%
PVC 50+00.00
ELEV. 3650.18
L=450'
K=80
PVI 52+25.00
ELEV. 3636.79
PVT 54+50.00
ELEV. 3636.00
-0.35%
PVC 57+25.00
ELEV. 3635.04
L=150'
K=214
PVI 58+00.00
ELEV. 3634.77
PVT 58+75.00
ELEV. 3635.04
0.35%
PVC 61+25.00
ELEV. 3635.91
PVI 62+00.00
ELEV. 3636.17
PVT 62+75.00
ELEV. 3635.91
L=150'
K=214
STA 64+30.28
℄ FREY RD
STA 64+82.52
MESA DRAIN
PROPOSED 2-7'X7' MBC
-0.35%
PVC 72+00.00
ELEV. 3632.67
L=200'
K=92
PVI 73+00.00
ELEV. 3632.32
PVT 74+00.00
ELEV. 3634.14
1.81%
PVC 75+75.00
ELEV. 3637.31
PVI 76+50.00
ELEV. 3638.68
PVT 77+25.00
ELEV. 3639.45
L=150'
K=191
1.03%
STA 79+26.67
SALATRAL LATERAL
PROPOSED 6'X5' SBC
BEGIN BRIDGE
℄ FM 1110 STA 79+76.84
PVC 79+55.00
ELEV. 3641.81
PVI 80+30.00
ELEV. 3642.58
PVT 81+05.00
ELEV. 3642.32
L=150'
K=109
℄ BRIDGE BENT (TYP)
-0.35%
PROPOSED RETENTION BASIN 3
PVC 86+85.00
ELEV. 3640.27
L=150'
K=176
5' MIN CLEAR
PVI 87+60.00
ELEV. 3640.01
PVT 88+35.00
ELEV. 3640.38
END BRIDGE
℄ FM 1110 STA 88+66.84
℄ FM 1110 STA 89+81.94=
℄ FM 76 STA 25+78.39
0.50%
FEMA 100-YR WSEL
1' ABOVE EXISTING GROUND
(SHEET-FLOW)
PVC 91+25.00
ELEV. 3641.83
PVI 92+00.00
ELEV. 3642.21
PVT 92+75.00
ELEV. 3641.91
L=150'
K=167
-0.40%
PROPOSED 4-4'X2' MBC
(3 SPACED AT 125')
PVC 94+50.00
ELEV. 3641.21
L=300'
K=106
PVI 96+00.00
ELEV. 3640.61
PVT 97+50.00
ELEV. 3644.24
3633.33 3646.84
3633.32 3652.61
3633.22 3658.53
3633.24 3663.46
3633.19 3667.12
3633.15 3669.52
3632.55 3670.65
3633.25 3670.53
3633.61 3669.14
3633.64 3666.49
3633.66 3662.57
3633.63 3657.40
3633.63 3651.41
3633.67 3645.82
3633.72 3641.45
3633.75 3638.34
3633.72 3636.48
3633.82 3635.82
3633.91 3635.47
3633.55 3635.12
3634.39 3634.91
3634.26 3635.12
3634.48 3635.47
3634.58 3635.82
3634.62 3635.82
3635.13 3635.47
3633.77 3635.12
3633.18 3634.77
3632.83 3634.42
3632.79 3634.07
3632.83 3633.72
3632.85 3633.37
3632.92 3633.28
3632.97 3634.05
3633.06 3635.08
3632.85 3636.11
3636.80 3637.13
3635.97 3638.16
3636.67 3639.19
3636.65 3640.22
3635.74 3641.24
3634.37 3642.11
3634.43 3642.33
3634.44 3641.98
3634.46 3641.63
3633.41 3641.28
3633.59 3640.92
3633.87 3640.57
3633.08 3640.22
3633.03 3640.24
3634.32 3640.71
3636.08 3641.21
3636.34 3641.71
3636.81 3642.04
3637.50 3641.81
3638.11 3641.41
3639.23 3641.12
3641.69 3641.66
3644.85 3643.14
3648.08 3645.45
3651.24 3647.87
3654.25 3650.28
3656.49 3652.70
3658.13 3655.12
3659.49 3657.54
40+00
45+00
50+00
55+00
60+00
65+00
70+00
75+00
80+00
85+00
90+00
95+00
100+00


INSET II
INTERSECTION AT FM 76
0 50 100
SEE INSET I
PROPOSED FM 1110
FM 1110 (CLINT CUTOFF RD)
EL PASO COUNTY
BRIDGEWAY DR
CLINT CEMETARY RD
EL PASO COUNTY
CITY OF SOCORRO
CITY OF SOCORRO
EL PASO COUNTY
EXISTING RETENTION BASIN
EXISTING RETENTION BASIN
EXISTING RETENTION BASIN
LIMIT PHASE I
CSJ: 1281-02-007, ETC
€ FM 1110 STA 149+73.46
END FULL WIDTH CONSTRUCTION
€ FM 1110 STA 148+74.05
MATCH GRADE AND CROSS SLOPE
OF PROJECT CSJ: 1281-02-006
DARRINGTON RD
I-10
FM1110-5
FM1110-6
SAN LORENZO CEMETERY
CATHOLIC DIOCESE OF EL PASO
CLINT FIRE DEPARTMENT
LOWER VALLEY WATER DISTRICT
ADOBE INN
COTTON EYED JOE'S
SUPER 8
MAMACITA'S RETAURAUNT & BAR
EXPRESS FUEL
COTTON VALLEY MOTEL
COTTON VALLEY R.V. PARK
KPAS RADIO STATION
HILLTOP
TORNILLO LAND CO.
LETTUNICH DEVELOPMENT GROUP LTD
A
A
B
B

PLAN LEGEND

| | |
|---|---|
| 🟩 | PROPOSED PAVEMENT |
| ▨ | PROPOSED BRIDGE (STEEL/CONCRETE) |
| ⬜ | PROPOSED SIDEWALK |
| 🟫 | PROPOSED DRIVEWAY |
| 🟥 | PROPOSED PH I TRANSITION PVMNT |
| 🟪 | PROPOSED MILL AND OVERLAY |
| ⬛ | EXISTING PAVEMENT |
| ▨ | POTENTIAL BUILDING DISPLACEMENT |
| — - — | PROPOSED CENTERLINE |
| - · - · - | EXISTING ROW/PARCEL BOUNDARY |
| - - - - | EXISTING EASEMENT |
| - - - - | PROPOSED EASEMENT |
| - · - · - | PROPOSED ROW |
| ▨ | PROPOSED RETENTION BASIN |
| ▨ | EXISTING RETENTION BASIN |
| —— | PROPOSED DRAINAGE STRUCTURE |
| —— | PROPOSED RETAINING WALL |
| 🟦 | FEMA FLOOD ZONE |
| —— | WATER CHANNEL |
| — — | CITY BOUNDARY |
| ┼┼┼┼┼┼┼┼ | UPRR |
| — OE — | OVERHEAD ELECTRIC |
| — C — | COMMUNICATION LINE |
| — W — | WATER MAIN |
| — G — | GAS LINE |
| — SS — | SEWER |
| ● ● ● | SIGNALIZED INTERSECTION |
| → / ◆ | TRAFFIC FLOW/BICYCLE LANE |



Texas Department of Transportation ®

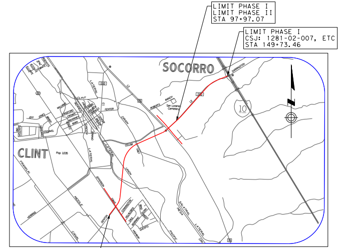
# FM 1110 WIDENING AND REALIGNMENT

# FROM I-10 TO SH 20

# EL PASO, TEXAS

ROLL 1 OF 1

| | | | | | | |
|---|---|---|---|---|---|---|
| DATE: | 5/5/2016 | STATE DISTRICT | COUNTY | CONTROL NO. | SEC. NO. | JOB NO. |
| DATE REV.: | 12/17/2015 | ELP | EL PASO | 1281 | 02 | 007, ETC |


LIMIT PHASE I
LIMIT PHASE II
STA 97+97.07
LIMIT PHASE I
CSJ: 1281-02-007, ETC
STA 149+73.46
SOCORRO
CLINT
10
LIMIT PHASE II
CSJ: 1281-02-007, ETC
STA 4+00.00

VICINITY MAP

EL PASO COUNTY
NOT TO SCALE

FUNCTIONAL CLASSIFICATION:

| | | |
|---|---|---|
| FM 1110 | 45 MPH | URBAN MINOR ARTERIAL |
| SH 20 | 50 MPH | URBAN PRINCIPAL ARTERIAL |
| FM 76 | 50 MPH | URBAN PRINCIPAL ARTERIAL |
| CELUM RD | 40 MPH | URBAN COLLECTOR |
| DENTON RD | 30 MPH | URBAN LOCAL |

PROJECT LENGTH:

APPROXIMATELY 2.76 MILES
LIMITS FROM I-10 TO SH 20

GENERAL NOTES:

1. PROJECT CONTROL BASED UPON CONTROL POINTS 1 THOUGH 4 ON SHEET 2 OF LRTA INC. PLANS OF PROPOSED RIGHT OF WAY PROJECT, FROM TXDOT CSJ 1281-02-006. ALL PROJECT COORDINATES ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, TEXAS CENTRAL ZONE, NAD 83/ NAVD 88. ALL COORDINATES SHOWN ARE SURFACE AND CAN BE CONVERTED TO GRID BY DIVIDING BY A SCALE FACTOR OF 1.000231. UNIT OF MEASURE IS U.S. SURVEY FOOT.

| | | | | |
|---|---|---|---|---|
| CP#1: | N=10,597,600.17; | E=471,921.01; | ELEV.=3,812.01'; | 3-1/4" TXDOT ALUM DISK |
| CP#2: | N=10,596,680.52; | E=472,515.14; | ELEV.=3,784.84'; | 3-1/4" TXDOT ALUM DISK |
| CP#3: | N=10,595,095.57; | E=473,457.09; | ELEV.=3,781.41'; | 3-1/4" TXDOT ALUM DISK |
| CP#4: | N=10,594,224.89; | E=474,481.48; | ELEV.=3,793.02'; | 5/8" IR W/ 3-1/4" TXDOT ALUM DISK |

2. ALL DRIVEWAYS IMPACTED BY CONSTRUCTION TO BE RECONSTRUCTED.

3. ROADWAY GEOMETRY AND ROADSIDE ELEMENTS TO BE REFINED DURING PS&E.

0 100 200
HORIZONTAL

0 20 40
VERTICAL

60%
SUBMITTAL

HNTB Corporation
The HNTB Companies
Engineers Architects Planners

| | | | |
|---|---|---|---|
| FED. RD. DIV. NO. | FEDERAL AID PROJECT | | SHEET NO. |
| | | | 1 |
| STATE | DIST. | COUNTY | |
| TEXAS | ELP | EL PASO | |
| CONTROL | SECTION | JOB | HIGHWAY NO. |
| 1281 | 02 | 007, ETC | FM 1110 |

HNTB CORPORATION

PRELIMINARY
NOT INTENDED FOR CONSTRUCTION,
BIDDING OR PERMIT PURPOSES.
ENGINEER: SULAIMAN S. ARAIN, P.E.
P.E. SERIAL NO. 119331
DATE: 5/3/2016

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