90%

Texas Department of Transportation

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TEXAS DEPARTMENT OF TRANSPORTATION
SCHEMATIC LAYOUT
VALLECILLO ROAD - WEBB COUNTY
OFFICE OF THE DISTRICT ENGINEER
LAREDO, TEXAS

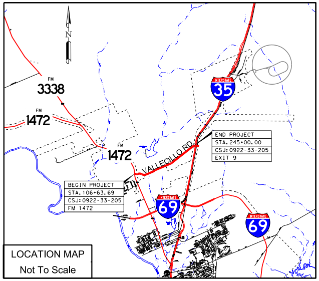
CONTROL: 0922 SECTION: 33 JOB: 205

LIMITS: FROM FM 1472 TO IH 35 LENGTH = 2.8 MILES (VALLECILLO RD)

DESIGN SPEED: MAINLANES = 45 MPH
RAMPS = 40 MPH eMAX = 2%
CROSSROADS = 30 MPH

FUNCTIONAL CLASS: PRINCIPAL ARTERIAL

PROJECT DESC.: CONSTRUCTION OF VALLECILLO ROAD 4-LANE OFF-SYSTEM HWY WITH DIVIDED PRINCIPAL ARTERIAL WITH A RAISED MEDIAN


N
FM 3338
FM 1472
FM 1472
INTERSTATE 35
VALLECILLO RD
INTERSTATE 69
INTERSTATE 69
END PROJECT
STA. 245+00.00
CSJ:0922-33-205
EXIT 9
BEGIN PROJECT
STA. 106+63.69
CSJ:0922-33-205
FM 1472

LOCATION MAP
Not To Scale

CONCURRENCE:

ADVANCED PLANNING SUPERVISOR:
LUIS M. VILLAREAL, P.E.

APPROVED:

DISTRICT ENGINEER:
EPIGMENIO "EPI" GONZALEZ, P.E.

RECOMMENDED FOR APPROVAL:

DIRECTOR OF TRANSPORTATION PLANNING AND DEVELOPMENT:
ROBERTO RODRIGUEZ III., P.E.

CONCURRENCE:

CITY OF LAREDO ENGINEERING DIRECTOR:
RAMON E. CHAVEZ, P.E.

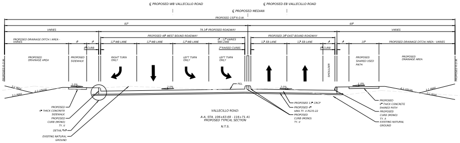
NOT A BIDDING DOCUMENT
CARLOS ROSAS, P.E.
TEXAS P.E. 134871

DATE

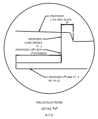
PRELIMINARY
SUBJECT TO CHANGE

THESE PRELIMINARY DOCUMENTS ARE TO BE RELEASED FOR INFORMATION PURPOSES AND ARE NOT INTENDED FOR CONSTRUCTION PURPOSES. THEY WERE PREPARED FOR THE TEXAS DEPARTMENT OF TRANSPORTATION

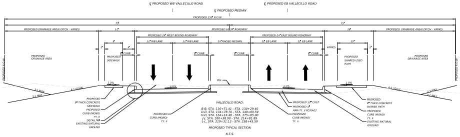
LJA Engineering, Inc.
FRN - F-1386
10410 MEDICAL LOOP SUITE 1A | LAREDO, TX 78045 | 956.477.0707


℄ PROPOSED WB VALLECILLO ROAD
℄ PROPOSED EB VALLECILLO ROAD
℄ PROPOSED MEDIAN
PROPOSED 150' R.O.W.
LEFT TURN ONLY
RIGHT TURN ONLY
PGL
2.0%
PROPOSED 13" CRCP
PROPOSED 4" HMA TY. V PG70-22
PROPOSED CURB (MONO) TY. V

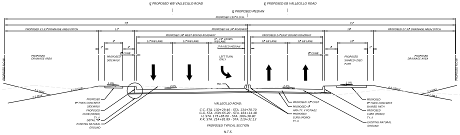
VALLECILLO ROAD:
A-A, STA. 106+63.69 - 116+71.41
PROPOSED TYPICAL SECTION
N.T.S.



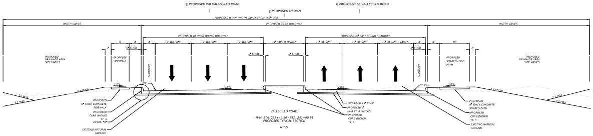
VALLECILLO ROAD
DETAIL "A"
N.T.S.


℄ PROPOSED WB VALLECILLO ROAD
℄ PROPOSED EB VALLECILLO ROAD
℄ PROPOSED MEDIAN
PROPOSED 150' R.O.W.
8" CURB
PGL
2.0%

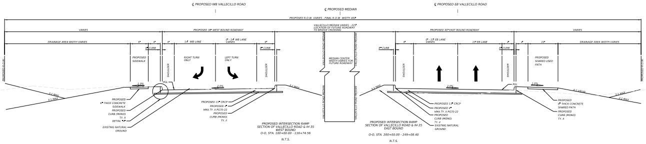
VALLECILLO ROAD:
B-B, STA. 116+71.41 - STA. 130+29.40
D-D, STA. 134+78.70 - STA. 149+69.59
H-H, STA. 164+14.48 - STA. 175+85.00
J-J, STA. 180+38.90 - STA. 214+81.89
L-L, STA. 219+31.13 - STA. 238+45.59
PROPOSED TYPICAL SECTION
N.T.S.


℄ PROPOSED WB VALLECILLO ROAD
℄ PROPOSED EB VALLECILLO ROAD
℄ PROPOSED MEDIAN
PROPOSED 150' R.O.W.
PROPOSED 63.34' ROADWAY
PROPOSED 36' WEST BOUND ROADWAY
0' - 12' VARIES WB LANE
12' WB LANE
12' EB LANE
2' RAISED MEDIAN
LEFT TURN ONLY
PGL
2.0%

VALLECILLO ROAD:
C-C, STA. 130+29.40 - STA. 134+78.70
G-G, STA. 159+65.20 - STA. 164+14.48
I-I, STA. 175+85.00 - STA. 180+38.90
K-K, STA. 214+81.89 - STA. 219+31.13
PROPOSED TYPICAL SECTION
N.T.S.

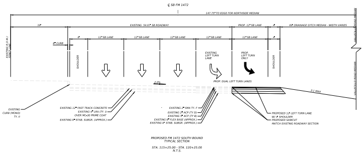

℄ PROPOSED WB VALLECILLO ROAD
℄ PROPOSED EB VALLECILLO ROAD
℄ PROPOSED MEDIAN
PROPOSED R.O.W. WIDTH VARIES FROM 150' - 400'
PROPOSED 95.34' ROADWAY
8" CURB
2.0%

VALLECILLO ROAD:
M-M, STA. 238+45.59 - STA. 241+90.91
PROPOSED TYPICAL SECTION
N.T.S.

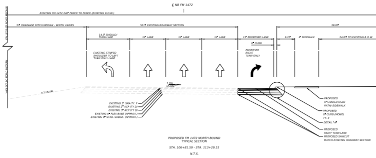

℄ PROPOSED WB VALLECILLO ROAD
℄ PROPOSED EB VALLECILLO ROAD
℄ PROPOSED MEDIAN
PROPOSED R.O.W. VARIES - FINAL R.O.W. WIDTH 400'
VALLECILLO MEDIAN VARIES - LOCATION OF FUTURE ROADWAY TO BRIDGE CROSSING
SHOULDER
3:1 MAX
VALLECILLO ROAD MEDIAN

PROPOSED INTERSECTION RAMP
SECTION OF VALLECILLO ROAD & IH-35
WEST BOUND
O-O, STA. 100+00.00 - 116+74.56
N.T.S.

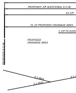
PROPOSED INTERSECTION RAMP
SECTION OF VALLECILLO ROAD & IH-35
EAST BOUND
O-O, STA. 200+00.00 - 249+08.40
N.T.S.

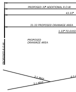

℄ SB FM 1472
PROP. 12' SB LANE
60' DRAINAGE DITCH MEDIAN - WIDTH VARIES
PROP. DUAL LEFT TURN LANES
2.0%
EXISTING 2" SMA TY. F
EXISTING 2" ACP (TY D)
EXISTING 5" ACP (TY B)
EXISTING 6" FLEX BASE (APPROX.)
EXISTING 8" STAB. SUBGR. (APPROX.)

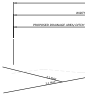
PROPOSED FM 1472 SOUTH BOUND
TYPICAL SECTION
STA. 115+25.00 - STA. 120+25.00
N.T.S.

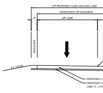

℄ NB FM 1472
2.0%

PROPOSED FM 1472 NORTH BOUND
TYPICAL SECTION
STA. 106+81.59 - STA. 113+29.15
N.T.S.

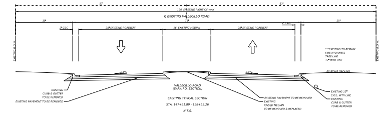







SHOULDER
4:1 USUAL
PROPOSED 4" HMA TY. V PG

PROPOSED TYPICAL SECTION
SECTION OF VALLECILLO ROAD
TURN AROUND LANE
STA. 10+00.00 - STA. 13+33.53
N.T.S.

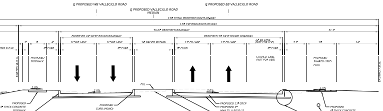

57'
63'
120' EXISTING RIGHT-OF-WAY
℄ EXISTING VALLECILLO ROAD
19'
70'
25'
2' C&G
28' EXISTING ROADWAY
16' EXISTING MEDIAN
28' EXISTING ROADWAY
2' C&G
EXISTING R.O.W.
***EXISTING TO REMAIN:
FIRE HYDRANTS
TREE LINE
12" WTR LINE
EXISTING R.O.W.
2.0%
2.0%
EXISTING GROUND
EXISTING
CURB & GUTTER
TO BE REMOVED
EXISTING PAVEMENT TO BE REMOVED
EXISTING PAVEMENT TO BE REMOVED
EXISTING
RAISED MEDIAN
TO BE REMOVED & REPLACED
EXISTING 12"
C.O.L. WTR LINE
EXISTING
CURB & GUTTER
TO BE REMOVED

VALLECILLO ROAD
(SARA RD. SECTION)

EXISTING TYPICAL SECTION

STA. 147+81.89 - 158+55.26

N.T.S.

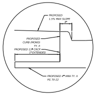

℄ PROPOSED WB VALLECILLO ROAD
℄ PROPOSED VALLECILLO ROAD
MEDIAN
℄ PROPOSED EB VALLECILLO ROAD
150' TOTAL PROPOSED RIGHT-OF-WAY
120' EXISTING RIGHT-OF-WAY
76.67' PROPOSED ROADWAY
31.3'
PROPOSED 24' WEST BOUND ROADWAY
PROPOSED 36' EAST BOUND ROADWAY
2'
6'
4'
12' WB LANE
12' WB LANE
14' RAISED MEDIAN
12' EB LANE
12' EB LANE
12' EB LANE
(NOT FOR USE)
7.3'
10'
14'
8" CURB
8" CURB
8" CURB
8" CURB
EXISTING R.O.W.
PROPOSED
SIDEWALK
STRIPED LANE
(NOT FOR USE)
PROPOSED
SHARED USED
PATH
EXISTING R.O.W.
1.0%
2.0%
PGL
2.0%
1.0%
PROPOSED
6" THICK CONCRETE
SIDEWALK
PROPOSED
CURB (MONO)
TY. V
PROPOSED
CURB (MONO)
TY. X
PROPOSED 13" CRCP
PROPOSED 4"
HMA TY. V PG70-22
PROPOSED
CURB (MONO)
TY. V
EXISTING ROADWAY SECTION
TO BE REMOVED
PROPOSED
6" THICK CONCRETE
SHARED PATH
EXISTING 12"
C.O.L. WTR LINE TO REMAIN
DETAIL "A"

VALLECILLO ROAD:

F-F, STA. 156+72.42 - 159+65.20

PROPOSED TYPICAL SECTION

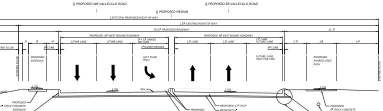
N.T.S.


PROPOSED
1.5% MAX SLOPE
8"
PROPOSED
CURB (MONO)
TY. II
PROPOSED 13" CRCP
1" EXTENDED
PROPOSED 4" HMA TY. X
PG 70-22

VALLECILLO ROAD

DETAIL "A"

N.T.S.

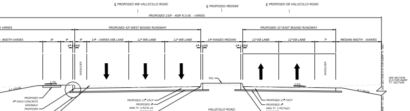

℄ PROPOSED WB VALLECILLO ROAD
℄ PROPOSED MEDIAN
℄ PROPOSED EB VALLECILLO ROAD
150' TOTAL PROPOSED RIGHT-OF-WAY
120' EXISTING RIGHT-OF-WAY
76.67' PROPOSED ROADWAY
31.3'
PROPOSED 36' WEST BOUND ROADWAY
PROPOSED 36' EAST BOUND ROADWAY
2'
6'
4'
12' WB LANE
12' WB LANE
0' - 12' VARIES
WB LANE
2' RAISED MEDIAN
12' LANE
12' LANE
12' LANE
FUTURE LANE
7.3'
10'
14'
8" CURB
8" CURB
EXISTING R.O.W.
PROPOSED
SIDEWALK
LEFT TURN
ONLY
FUTURE LANE
(NOT FOR USE)
PROPOSED
SHARED USED
PATH
EXISTING R.O.W.
1.0%
2.0%
PGL
2.0%
1.0%
PROPOSED
6" THICK CONCRETE
SIDEWALK
PROPOSED
CURB (MONO)
TY. X
PROPOSED
CURB (MONO)
TY. V
EXISTING ROADWAY SECTION
TO BE REMOVED
PROPOSED 13" CRCP
PROPOSED 4"
HMA TY. II PG70-22
PROPOSED
6" THICK CONCRETE
SHARED PATH
EXISTING 12"
C.O.L. WTR LINE
PROPOSED
CURB (MONO)
TY. V
DETAIL "A"

VALLECILLO ROAD:

E-E, STA. 149+69.59 - STA. 156+72.42

PROPOSED TYPICAL SECTION

N.T.S.

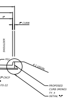

℄ PROPOSED WB VALLECILLO ROAD
℄ PROPOSED MEDIAN
℄ PROPOSED EB VALLECILLO ROAD
PROPOSED 150' - 400' R.O.W. - VARIES
VARIES
PROPOSED 42' WEST BOUND ROADWAY
PROPOSED 31' EAST BOUND ROADWAY
- WIDTH VARIES
6'
4'
4'
14' - VARIES WB LANE
12' WB LANE
12' WB LANE
14' RAISED MEDIAN
12' EB LANE
12' EB LANE
7'
MEDIAN WIDTH - VARIES
8" CURB
8" CURB
8" CURB
SHOULDER
SHOULDER
1.0%
PGL
2.0%
4:1 USUAL
4:1 USUAL
SEE SECTION O-O FOR RAMP TY. SECTION
PROPOSED
6" THICK CONCRETE
SIDEWALK
PROPOSED
CURB (MONO)
TY. X
DETAIL "A"
EXISTING NATURAL
GROUND
PROPOSED 13" CRCP
PROPOSED 4"
HMA TY. V PG70-22
PROPOSED
CURB (MONO)
TY. X
PROPOSED 13" CRCP
PROPOSED 4"
HMA TY. II PG70-22
PROPOSED
CURB (MONO)
TY. V

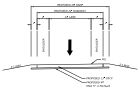
VALLECILLO ROAD:

N - N, STA. 241+90.91 - 245+00.00
PROPOSED TYPICAL SECTION

N.T.S.

***PROPOSED CENTER ROADWAY WILL STOP CONSTRUCTION @ STA. 245+00.00, REMAINING ROADWAY & BRIDGE TO BE DONE BY OTHERS

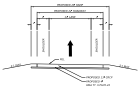

6'
8" CURB
SHOULDER
PGL
4:1 USUAL
13" CRCP
PG70-22
PROPOSED
CURB (MONO)
TY. X
DETAIL "A"


PROPOSED 26' RAMP
PROPOSED 22' ROADWAY
4'
14' LANE
4'
2'
2'
SHOULDER
SHOULDER
PGL
3:1 MAX
3:1 MAX
PROPOSED 13" CRCP
PROPOSED 4"
HMA TY. V PG70-22

PROPOSED TYPICAL SECTION
ON-RAMP TO I-35 FRONTAGE ROAD

STA. 300+00.00 - STA. 309+88.43

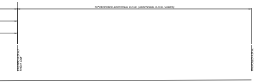
N.T.S.

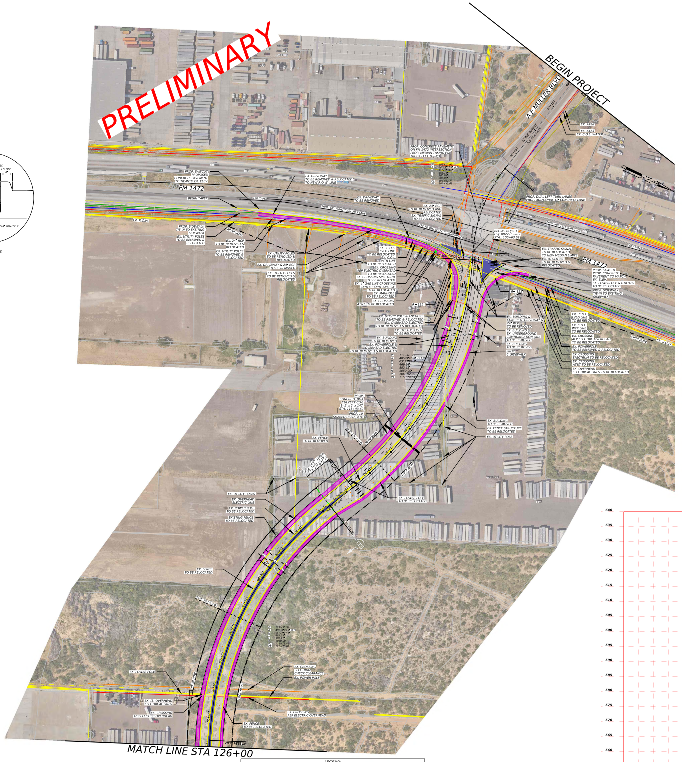

PROPOSED 26' RAMP
PROPOSED 22' ROADWAY
4'
14' LANE
4'
2'
2'
SHOULDER
SHOULDER
PGL
3:1 MAX
3:1 MAX
PROPOSED 13" CRCP
PROPOSED 4"
HMA TY. X PG70-22

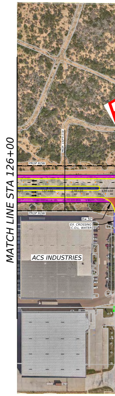
PROPOSED TYPICAL SECTION
ON-RAMP TO VALLECILLO ROAD

STA. 312+86.57 - STA. 317+32.38

N.T.S.


78' PROPOSED ADDITIONAL R.O.W. (ADDITIONAL R.O.W. VARIES)
EXISTING R.O.W./
FENCE LINE
PROPOSED R.O.W.


PRELIMINARY
BEGIN PROJECT
A.F. MULLER BLVD
FM 1472
FM 1472
BEGIN TAPER
EX. R.O.W.
PROP. ROW
BEGIN PROJECT
CSJ: 0922-33-205
STA.: 106+83.69
EX. DRIVEWAY TO BE REMOVED & RELOCATED TO NEW R.O.W. LINE
PROP. SAWCUT
PROPOSED CONCRETE PAVEMENT TO TIE-IN TO EXIST. ELEV.
PROP. CONCRETE PAVEMENT ON FM 1472 INTERSECTION
PROP. MEDIAN TAKING FOR TRUCK LEFT TURNS
PROP. DUAL LEFT TURN LANES
PROP. ADDITIONAL 12' CONCRETE LANE
EX. TRAFFIC SIGNAL TO BE RELOCATED
EX. UTILITY POLES TO BE REMOVED & RELOCATED
EX. BUILDING TO BE REMOVED
EX. FENCE STRUCTURE TO BE RELOCATED
EX. UTILITY POLE
EX. POWER POLE TO BE RELOCATED
EX. FENCE TO BE RELOCATED
EX. FENCE TO BE REMOVED
EX. CROSSING AEP ELECTRIC OVERHEAD
EX. (3) OVERHEAD ELECTRICAL LINES
EX. CROSSING SPECTRUM CHECK CLEARANCE
EX. POWER POLE
PROP. CONCRETE BOX CULVERT
PROP. 10' SHARED USED PATH
MATCH LINE STA 126+00
PI 125+28.67


MATCH LINE STA 126+00
PROP ROW
EX. CROSSING C.O.L. WATER
ACS INDUSTRIES

LEGEND:

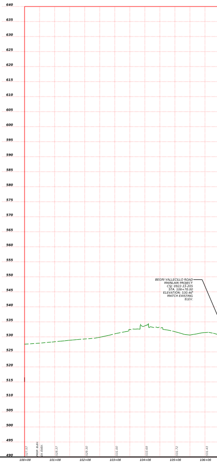
☐	PROPOSED MAIN LANES
🟩	PROPOSED RAMPS
🟪	PROPOSED SHARED USE PATH/ SIDEWALK
🟥	DRIVEWAY/STREET
🟦	MEDIAN
🟦	ROADWAY BUILT BY OTHERS
🟧	SHOULDERS
🟨	BRIDGE BUILT BY OTHERS
—	EXISTING ROW
—	PROPOSED ROW
—	SAWCUT LINE
—	EXIST ROW
—	EXIST DRN ESMNT
—	WIDEN CONTROL LINE
⇦	EXIST TRF FLOW
←	PROP TRF FLOW
▨	PROP CONCRETE
▨	COLOR TEXTURED CONC (4")
▨	PROP WIDENING/PROP RECONSTRUCTION
▨	WETLAND
▨	OHWM
XXX-X	CURVE ID LABEL
XXXXX	DRIVEWAY ID
●	TEST HOLE LOCATION

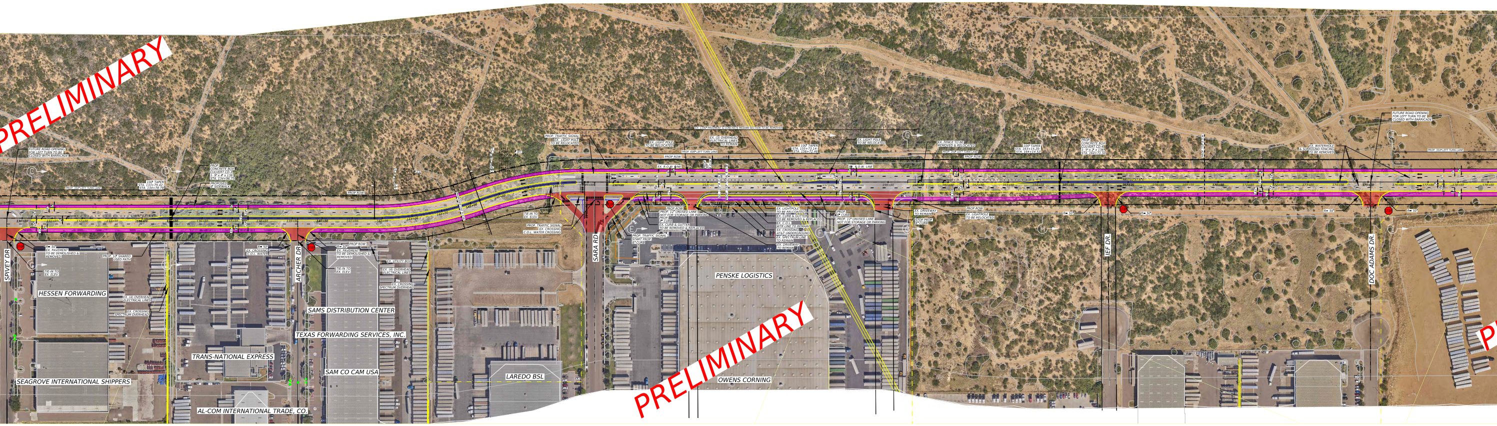
T2-XX	AT&T - D(IN)
T4-1	CENTURYLINK
T5-1	CHARTER-SPECTRUM
T7-1	GRANDE
T8-1	CONTERRA
T9-1	MCI-VERIZON
T10-1	TXDOT TRANSGUIDE
T11-1	FIBERLIGHT
T13-1	ZAYO
S7-1-D	TXDOT SIGNALS
OHT-1	CHARTER-SPECTRUM
OHC-3	AT&T
OHT-4	GRANDE
OHT-5	CENTURYLINK
OHT-06	CONTERRA
OHT-07	ZAYO
OHT-09	CPS
OHT-10	FIBERLIGHT
OHE-1	CPS ENERGY
OHE-2	CPS ENERGY(TRANS)
E1-1	CPS ENERGY
E2	TXDOT
W1-XX	SAWS WATER-D(IN)
SS1-XX	SAWS SAN SWR-D(IN)
G1-XX	CPS ENERGY-D(IN)
G2-XX	GREY FOREST-D(IN)
PR X	PROP JB UTILITY
PR X	PROP NJB UTILITY
—X—X—X—	ABANDONED
—O—O—O—	REMOVED
	4IN-COL-WAT-QLD
	12IN-COL-WAT-QLD
	16IN-COL-WAT-QLD
	COL-FM-QLD
	6IN-COL-FM-QLD
	8IN-COL-FM-QLD
	8IN-COL-WW-QLD
	ATT-COM-QLB
	FBL-COM-QLB
	SCT-COM-QLB
	SPE-COM-QLD
	SPE-OH-COM-QLD
	WIN-COM-QLD
	AEP-OH-ELE-QLD
	AEP-OH-ELE-QLC
	TXDOT-SL-QLB
	TXDOT-TS-QLB
	4IN-CPE-GAS-QLB
	4IN-CPE-GAS-QLD
	DCP-GAS-QLB

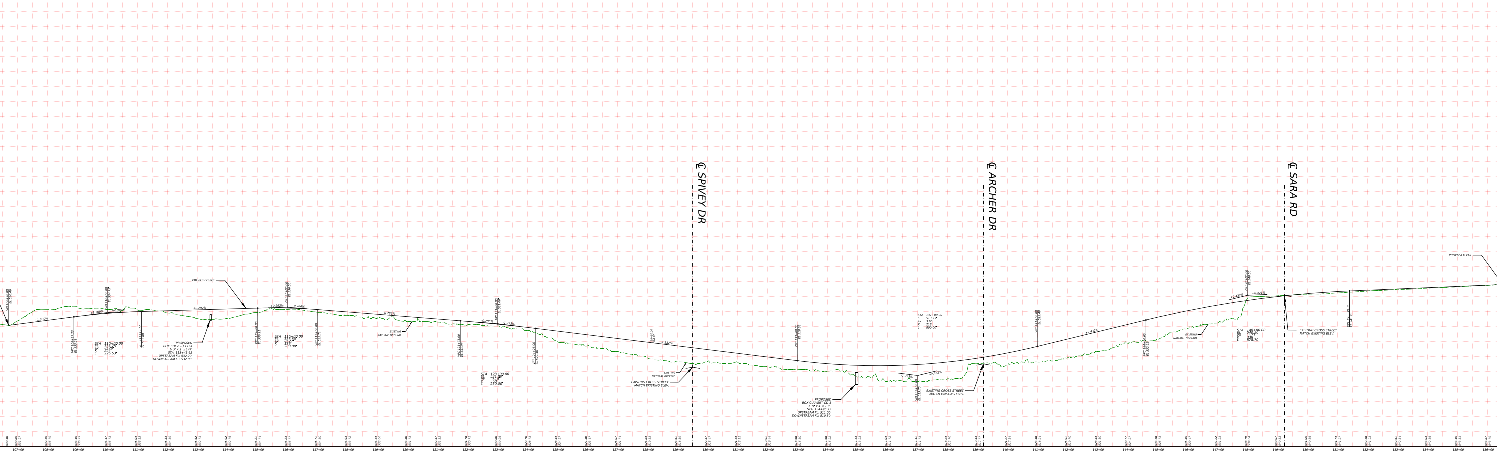
VALLECILLO ROAD

COORDINATES ARE SURFACE COORDINATES

HORIZONTAL DATUM:	NAD83
HORIZONTAL ADJUSTMENT:	CSF: 1.00003
PROJECT ZONE:	TEXAS SOUTH
VERTICAL DATUM:	NAVD88
UNITS OF MEASURE:	US SURVEY FEET




PRELIMINARY
FUTURE ROAD OPENING FOR LEFT TURN TO BE CLOSED WITH BARRICADE
SPIVEY DR
HESSEN FORWARDING
SEAGROVE INTERNATIONAL SHIPPERS
TRANS-NATIONAL EXPRESS
AL-COM INTERNATIONAL TRADE, CO.
ARCHER DR
SAMS DISTRIBUTION CENTER
TEXAS FORWARDING SERVICES, INC.
SAM CO CAM USA
LAREDO BSL
SARA RD
PENSKE LOGISTICS
OWENS CORNING
PRELIMINARY
IEF DR
DOC ADAMS DR
PROP. TRAFFIC SIGNAL
PROP. ROW
EX. R.O.W. LINE
PROP. CONCRETE BOX CULVERT
FUTURE ROAD OPENING FOR LEFT TURN TO BE CLOSED WITH BARRICADE


℄ SPIVEY DR
℄ ARCHER DR
℄ SARA RD
PROPOSED PGL
+1.300%
+0.292%
-0.786%
-1.232%
+2.432%
+0.421%
STA 110+00.00
EL 534.75'
L 225.53'
PROPOSED BOX CULVERT CD-1
1- 5' x 2' x 147'
STA. 113+43.62
UPSTREAM FL: 532.20'
DOWNSTREAM FL: 532.00'
STA 116+00.00
EL 536.30'
L 200.00'
STA 123+00.00
L 250.00'
EXISTING NATURAL GROUND
EXISTING CROSS STREET MATCH EXISTING ELEV.
STA 137+00.00
EL 513.75'
ex 3.66'
K 218
L 800.00'
PROPOSED BOX CULVERT CD-3
1- 9' x 4' x 136'
STA. 134+96.75
UPSTREAM FL: 511.00'
DOWNSTREAM FL: 510.50'
STA 148+00.00
EL 540.50'
L 678.70'
VPT 151+39.35
EL 541.93
107+00
108+00
109+00
110+00
111+00
112+00
113+00
114+00
115+00
116+00
117+00
118+00
119+00
120+00
121+00
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144+00
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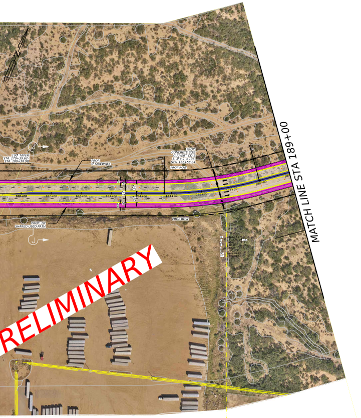
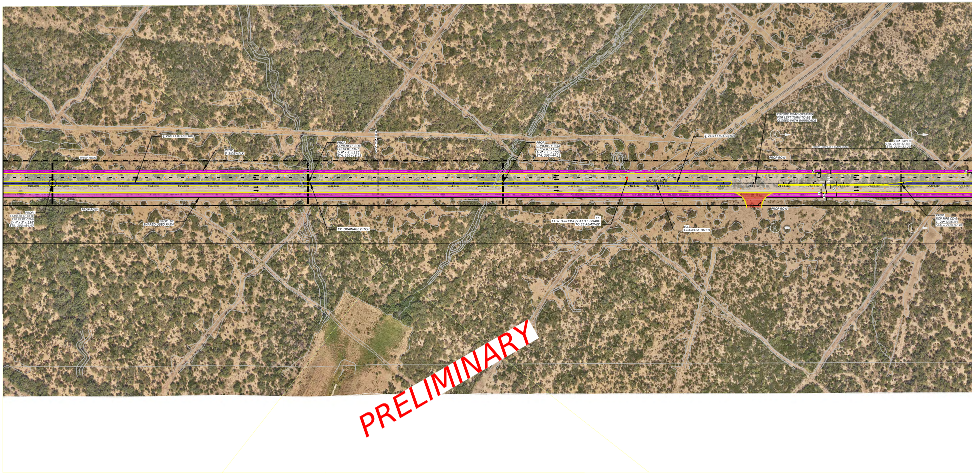
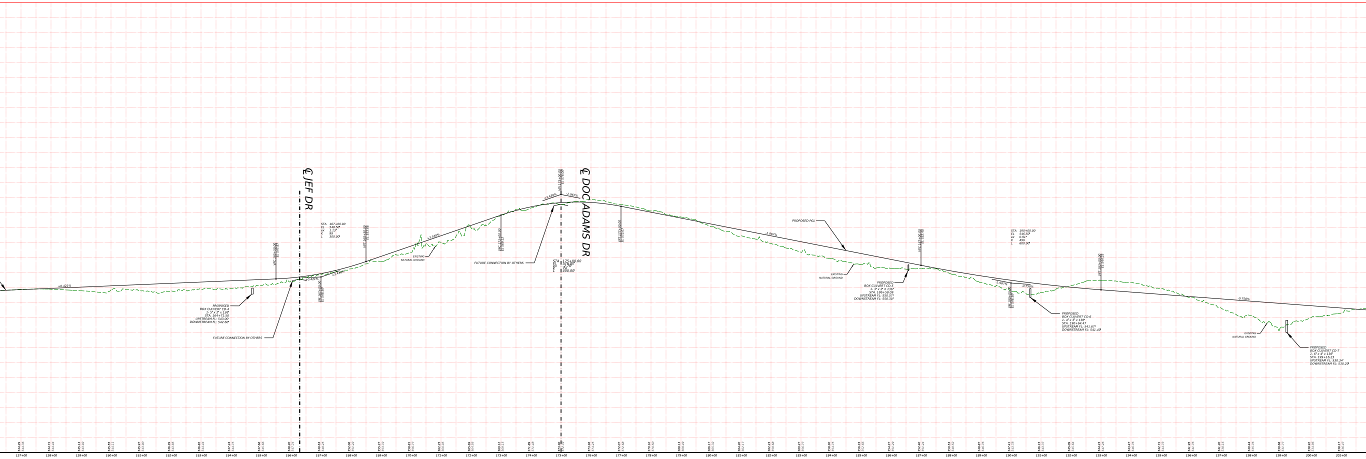
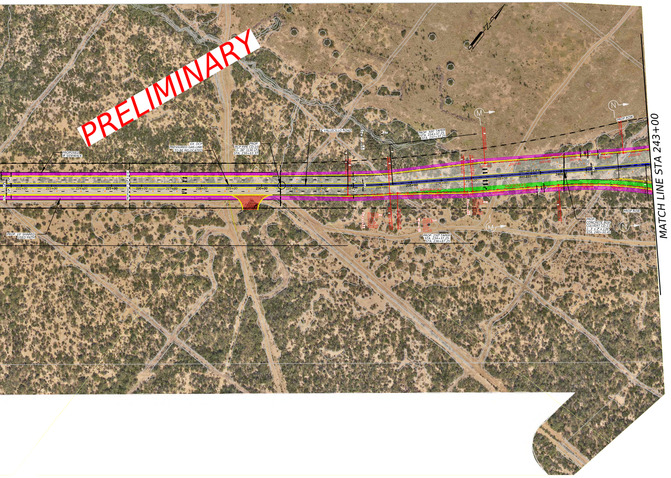
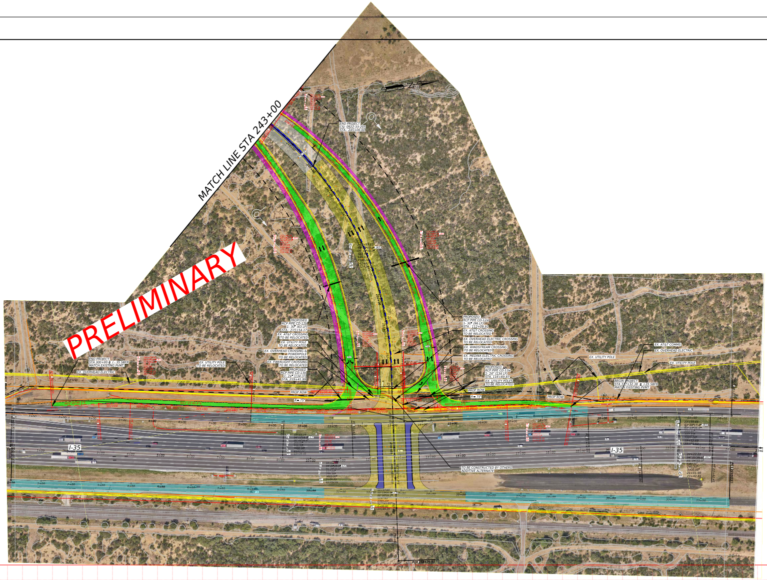
153+00
154+00
155+00
156+00

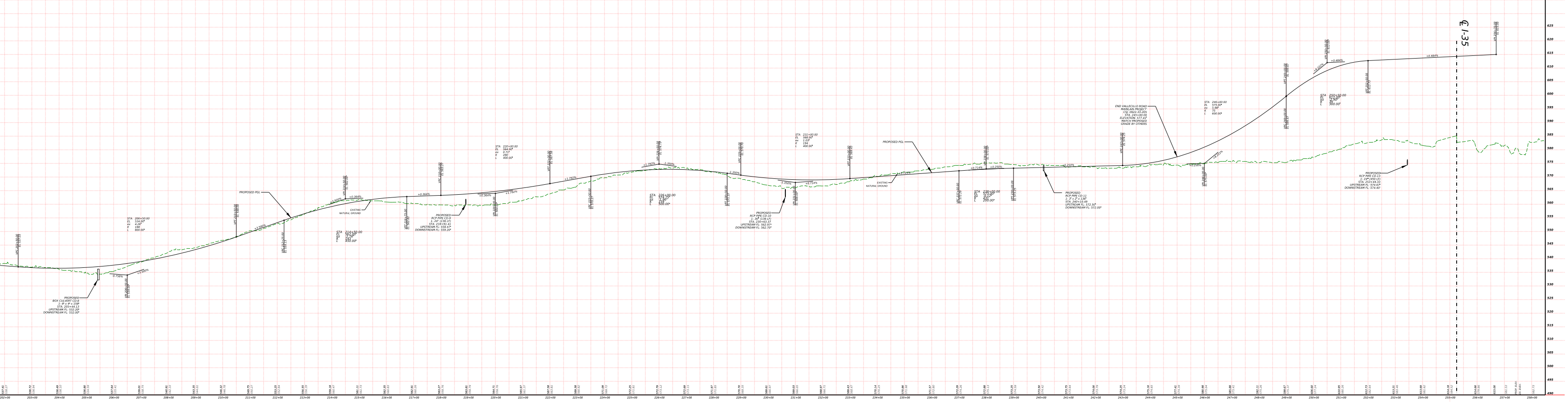

100' TAPER
STA. 179+39.62-
STA. 180+38.98
PROP.
8' SIDEWALK
PROP.
CONCRETE BOX
CULVERT CD-5
1- 3' x 2' x 136'
STA. 186+58.04
PROP ROW
180+00
181+00
182+00
183+00
184+00
185+00
186+00
187+00
188+00
PROP ROW
PROP. 10'
SHARED USED PATH
MATCH LINE STA 189+00
PRELIMINARY


MATCH LINE STA 189+00
℄ VALLECILLO ROAD
PROP.
8' SIDEWALK
PROP ROW
PROP.
CONCRETE BOX
CULVERT CD-7
2- 6' x 4' x 136'
STA. 199+16.23
190+00
191+00
192+00
193+00
194+00
195+00
196+00
197+00
198+00
200+00
201+00
202+00
203+00
204+00
205+00
PROP.
CONCRETE BOX
CULVERT CD-6
1- 4' x 3' x 136'
STA. 190+64.47
PROP ROW
PROP. 10'
SHARED USED PATH
EX. DRAINAGE DITCH
PROP.
CONCRETE BOX
CULVERT CD-8
1- 6' x 4' x 150'
STA. 205+44.13
℄ VALLECILLO ROAD
FUTURE ROAD OPENING
FOR LEFT TURN TO BE
CLOSED WITH BARRICADE
100' TAPER
STA. 218+31.83-
STA. 219+31.20
PROP. 350' LEFT TURN LANE
PROP ROW
206+00
207+00
208+00
209+00
210+00
N51°55'45.3"E
4490.89
211+00
212+00
213+00
214+00
215+00
216+00
217+00
218+00
220+00
EX.
COW THROUGH/ CATTLE GUARD
TO BE REMOVED
EX.
DRAINAGE DITCH
PROP ROW
PROP.
RCP PIPE CD-9
1- 24" (136 LF)
STA. 218+92.41
PRELIMINARY




PRELIMINARY
MATCH LINE STA 243+00


PRELIMINARY
MATCH LINE STA 243+00
I-35
I-35
TO BE CONSTRUCTED BY OTHERS


℄ I-35
PROPOSED
BOX CULVERT CD-8
1- 6' x 4' x 158'
STA. 205+44.13
UPSTREAM FL: 532.20'
DOWNSTREAM FL: 532.00'
STA 206+50.00
EL 534.00'
ex 4.26'
K 188
L 800.00'
PROPOSED PGL
EXISTING NATURAL GROUND
STA 214+50.00
L 450.00'
PROPOSED
RCP PIPE CD-9
1- 24" (136 LF)
STA. 218+91.41
UPSTREAM FL: 559.47'
DOWNSTREAM FL: 559.20'
STA 220+00.00
EL 564.00'
ex 0.71'
K 280
L 400.00'
STA 226+00.00
L 500.00'
PROPOSED
RCP PIPE CD-10
1- 36" (136 LF)
STA. 230+63.37
UPSTREAM FL: 562.97'
DOWNSTREAM FL: 562.70'
STA 232+00.00
EL 568.00'
ex 1.03'
K 194
L 400.00'
STA 238+00.00
L 200.00'
PROPOSED
RCP PIPE CD-11
1- 3' x 2' x 136'
STA. 240+10.49
UPSTREAM FL: 572.50'
DOWNSTREAM FL: 572.00'
END VALLECILLO ROAD
MAINLAIN PROJECT
CSJ: 0922-33-205
STA. 245+00.00
ELEVATION: 577.41'
MATCH PROPOSED
GRADE BY OTHERS
STA 246+00.00
EL 575.00'
ex 5.98'
K 75
L 600.00'
STA 250+50.00
L 300.00'
PROPOSED
RCP PIPE CD-13
1- 24" (450 LF)
STA. 253+44.33
UPSTREAM FL: 574.67'
DOWNSTREAM FL: 574.40'
-0.758%
+3.500%
+0.364%
+1.792%
-1.350%
+0.714%
+0.250%
+8.222%
+0.484%