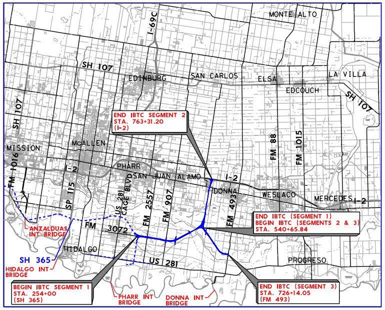
MONTE ALTO
I-69C
SH 107
EDINBURG
SAN CARLOS
ELSA
LA VILLA
EDCOUCH
SH 107
END IBTC SEGMENT 2
STA. 763+31.20
(I-2)
SH 107
MISSION
MCALLEN
FM 88
FM 1015
I-2
PHARR
SAN JUAN
ALAMO
I-2
DONNA
WESLACO
MERCEDES
I-2
FM 1016
SP 115
US 281 CAGE BLVD
FM 2557
FM 907
FM 493
END IBTC (SEGMENT 1)
BEGIN IBTC (SEGMENTS 2 & 3)
STA. 540+65.84
ANZALDUAS INT. BRIDGE
FM 3072
HIDALGO
US 281
PROGRESO
SH 365
HIDALGO INT BRIDGE
BEGIN IBTC SEGMENT 1
STA. 254+00
(SH 365)
PHARR INT BRIDGE
DONNA INT BRIDGE
END IBTC (SEGMENT 3)
STA. 726+14.05
(FM 493)

DESIGN DATA

INTERNATIONAL BRIDGE TRADE CORRIDOR (IBTC)

CSJ	:	**0921-02-142**
NET LENGTH	:	13.15 MILES
SEGMENT 1	:	FROM SH 365/FM 3072 RD INTERCHANGE
	:	TO VALLEY VIEW INTERCHANGE (5.43 MILES)
SEGMENT 2	:	FROM VALLEY VIEW INTERCHANGE, NORTH
	:	TO INTERSTATE 2 (4.21 MILES)
SEGMENT 3	:	FROM VALLEY VIEW INTERCHANGE, EAST
	:	TO FM 493 (3.51 MILES)
FUNCTIONAL CLASSIFICATION	:	URBAN FREEWAY (PRINCIPAL ARTERIAL)
ADT (2013)	:	SEE IBTC TRAFFIC VOLUME DIAGRAM
(2033)	:	SEE IBTC TRAFFIC VOLUME DIAGRAM
e MAX	:	6%
DESIGN CRITERIA	:	TxDOT ROADWAY DESIGN MANUAL CHAPTER 3, SECTION 6 - (FREEWAYS)

DESIGN SPEED TABLE	
IBTC	
MAINLANES	70 MPH
RAMP	50 MPH
FRONTAGE ROADS	50 MPH
DIRECT CONNECTORS	50 MPH-70 MPH
CROSSROADS	
FM 3072 (DICKER RD.)	50 MPH
FM 2557 (STEWART RD.)	50 MPH
FM 907 (ALAMO RD.)	55 MPH
TOWER RD.	35 MPH
BORDER/BALLI RD.	35 MPH
VALLEY VIEW RD.	35 MPH
COUNTY RD 1821	35 MPH
BUSINESS 83	50 MPH
INTERSTATE 2	70 MPH
FM 493	55 MPH

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

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Texas Department of Transportation

DANNENBAUM
ENGINEERING COMPANY - McALLEN, LLC
T.B.P.E. FIRM REGISTRATION #8999
1109 NOLANA LOOP, STE 280 McALLEN, TX 78504 (956) 682-3677

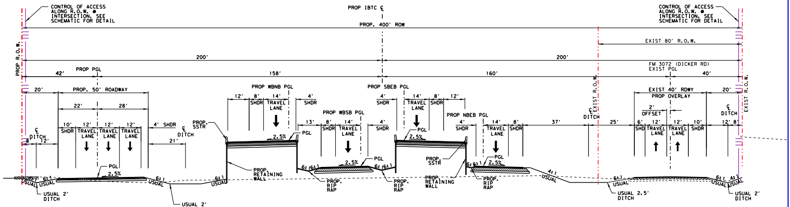
INTERNATIONAL BRIDGE TRADE CORRIDOR TYPICAL SECTIONS

ROLL 5 OF 5

DRAWING:	FED. RD. DIV. NO.	STATE	PROJECT NO.			HIGHWAY NO.
CK:	6	TEXAS				IBTC
ENGINEER	STATE DIST. NO	COUNTY	CONT	SECT	JOB	SHEET NO.
CK:	PHR	HIDALGO	0921	02	142	
REVIEW:						
CK:						

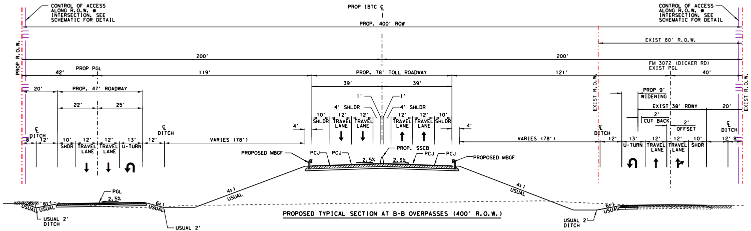
PHASE I TYPICAL SECTIONS

SECTION A


CONTROL OF ACCESS ALONG R.O.W. @ INTERSECTION. SEE SCHEMATIC FOR DETAIL
PROP IBTC ℄
PROP. 400' ROW
EXIST 80' R.O.W.
200'
200'
PROP R.O.W.
PROP PGL
FM 3072 (DICKER RD)
EXIST PGL
PROP. 50' ROADWAY
PROP WBNB PGL
PROP SBEB PGL
PROP WBSB PGL
PROP NBEB PGL
EXIST 40' RDWY
PROP OVERLAY
EXIST R.O.W.
TRAVEL LANE
SHDR
PROP. SSTR
PROP. RETAINING WALL
PROP. RIP RAP
USUAL 2' DITCH
USUAL 2.5' DITCH

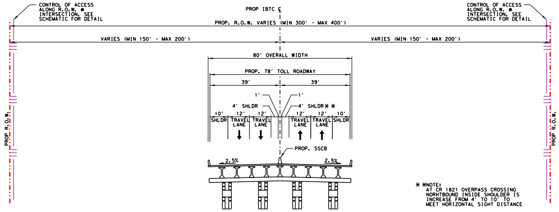
PROPOSED TYPICAL SECTION AT B-B INTERCHANGE (400' R.O.W.)

SECTION B


CONTROL OF ACCESS ALONG R.O.W. @ INTERSECTION. SEE SCHEMATIC FOR DETAIL
PROP IBTC ℄
PROP. 400' ROW
EXIST 80' R.O.W.
200'
200'
PROP PGL
FM 3072 (DICKER RD)
EXIST PGL
PROP. 47' ROADWAY
PROP. 78' TOLL ROADWAY
PROP 9' WIDENING
EXIST 38' RDWY
CUT BACK
OFFSET
U-TURN
TRAVEL LANE
SHLDR
VARIES (78')
PROPOSED MBGF
PCJ
PROP. SSCB
USUAL 2' DITCH

PROPOSED TYPICAL SECTION AT B-B OVERPASSES (400' R.O.W.)

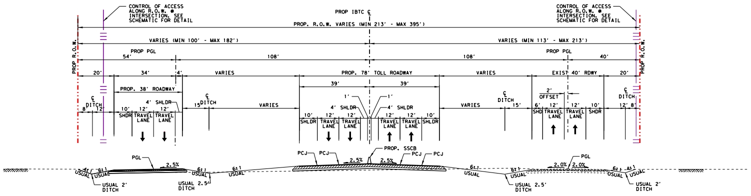
SECTION C


CONTROL OF ACCESS ALONG R.O.W. @ INTERSECTION. SEE SCHEMATIC FOR DETAIL
PROP IBTC ℄
PROP. R.O.W. VARIES (MIN 300' - MAX 400')
VARIES (MIN 150' - MAX 200')
VARIES (MIN 150' - MAX 200')
80' OVERALL WIDTH
PROP. 78' TOLL ROADWAY
39'
39'
4' SHLDR
4' SHLDR * *
TRAVEL LANE
PROP. SSCB
2.5%
PROP R.O.W.

* *NOTE:
AT CR 1821 OVERPASS CROSSING NORTHBOUND INSIDE SHOULDER IS INCREASE FROM 4' TO 10' TO MEET HORIZONTAL SIGHT DISTANCE

PROPOSED BRIDGE TYPICAL SECTION AT MAJOR CROSS ROADS (300' & - 400' R.O.W.)

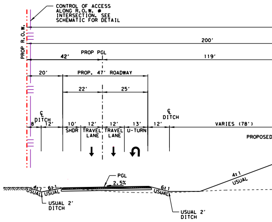
SECTION D


CONTROL OF ACCESS ALONG R.O.W. @ INTERSECTION. SEE SCHEMATIC FOR DETAIL
PROP IBTC ℄
PROP. R.O.W. VARIES (MIN 213' - MAX 395')
VARIES (MIN 100' - MAX 182')
VARIES (MIN 113' - MAX 213')
PROP PGL
PROP. 38' ROADWAY
PROP. 78' TOLL ROADWAY
EXIST 40' RDWY
TRAVEL LANE
SHLDR
PROP. SSCB
PCJ
PGL
USUAL 2' DITCH
USUAL 2.5' DITCH

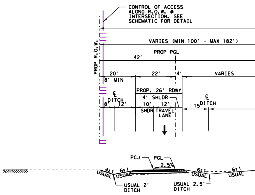
PROPOSED TYPICAL SECTION A-A (300' R.O.W.)

PHA

SECTION E


CONTROL OF ACCESS ALONG R.O.W. @ INTERSECTION. SEE SCHEMATIC FOR DETAIL
PROP R.O.W.
PROP PGL
PROP. 47' ROADWAY
U-TURN
VARIES (78')
PROPOSED
USUAL 2' DITCH

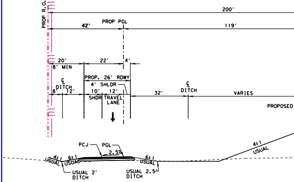
SECTION F


CONTROL OF ACCESS ALONG R.O.W. @ INTERSECTION. SEE SCHEMATIC FOR DETAIL
VARIES (MIN 100' - MAX 182')
PROP PGL
8' MIN
PROP. 26' RDWY
4' SHLDR
DITCH
USUAL 2' DITCH
USUAL 2.5' DITCH

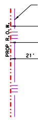
SECTION G

SECTION I

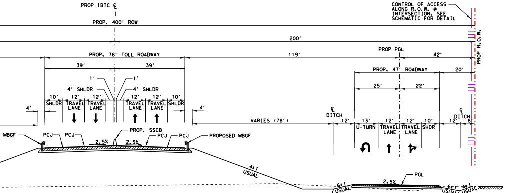
FUTURE FRONTAGE ROADS


CONTROL OF ACCESS ALONG R.O.W. @ INTERSECTION. SEE SCHEMATIC FOR DETAIL
PROP R.O.W.
PROP PGL
8' MIN
PROP. 26' RDWY
4' SHLDR
VARIES
PROPOSED
USUAL 2' DITCH
USUAL 2.5' DITCH

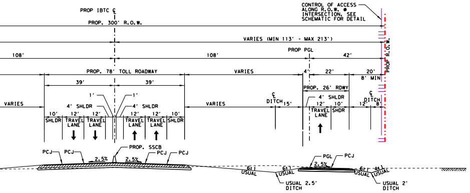
SECTION H



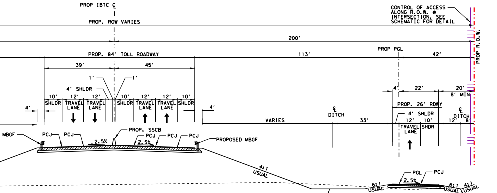
ASE I TYPICAL SECTIONS


PROP IBTC ℄
PROP. 400' ROW
CONTROL OF ACCESS ALONG R.O.W. @ INTERSECTION. SEE SCHEMATIC FOR DETAIL
PROP R.O.W.
200'
PROP. 78' TOLL ROADWAY
119'
PROP PGL
42'
PROP. 47' ROADWAY
20'
VARIES (78')
℄ DITCH
U-TURN
TRAVEL LANE
SHLDR
4' SHLDR
PROP. SSCB
PCJ
MBGF
PROPOSED MBGF
2.5%
4:1 USUAL
6:1 USUAL
PGL
USUAL 2' DITCH

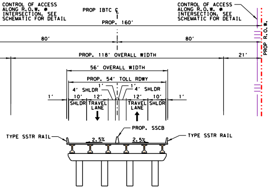
PROPOSED TYPICAL SECTION AT OVERPASSES (400' R.O.W.)


PROP IBTC ℄
PROP. 300' R.O.W.
CONTROL OF ACCESS ALONG R.O.W. @ INTERSECTION. SEE SCHEMATIC FOR DETAIL
VARIES (MIN 113' - MAX 213')
PROP PGL
108'
42'
PROP. 78' TOLL ROADWAY
VARIES
PROP. 26' RDWY
8' MIN
℄ DITCH
TRAVEL LANE
SHLDR
4' SHLDR
PROP. SSCB
PCJ
PGL
2.5%
USUAL 2.5' DITCH
USUAL 2' DITCH

PROPOSED TYPICAL SECTION (300' R.O.W.)


PROP IBTC ℄
PROP. ROW VARIES
CONTROL OF ACCESS ALONG R.O.W. @ INTERSECTION. SEE SCHEMATIC FOR DETAIL
200'
PROP. 84' TOLL ROADWAY
113'
PROP PGL
42'
PROP. 26' RDWY
8' MIN
VARIES
33'
℄ DITCH
TRAVEL LANE
SHLDR
4' SHLDR
PROP. SSCB
PCJ
MBGF
PROPOSED MBGF
2.5%
4:1 USUAL
6:1 USUAL
USUAL 2' DITCH

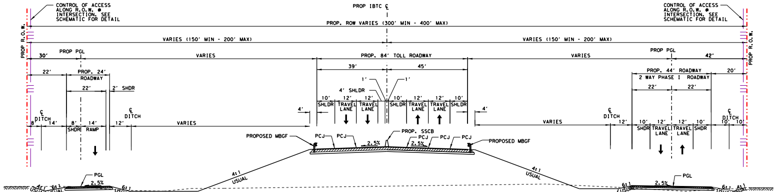
PROPOSED TYPICAL SECTION AT WEST OF FLOODWAY (400' R.O.W.)


CONTROL OF ACCESS ALONG R.O.W. @ INTERSECTION. SEE SCHEMATIC FOR DETAIL
PROP IBTC ℄
PROP. 160'
80'
PROP. 118' OVERALL WIDTH
21'
56' OVERALL WIDTH
PROP. 54' TOLL RDWY
4' SHLDR
TRAVEL LANE
SHLDR
PROP. SSCB
TYPE SSTR RAIL
2.5%
PROP R.O.W.

PROPOSED BRIDGE TYPICAL SECTION AT FLOODWAY (160' R.O.W.)

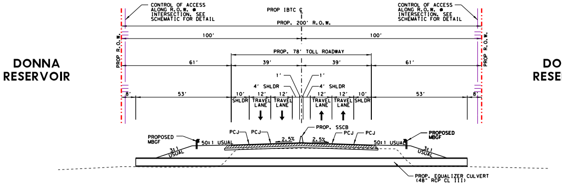
PHASE I TYPICAL SECTIONS

SECTION J


CONTROL OF ACCESS ALONG R.O.W. @ INTERSECTION. SEE SCHEMATIC FOR DETAIL
PROP IBTC ℄
PROP. ROW VARIES (300' MIN - 400' MAX)
VARIES (150' MIN - 200' MAX)
PROP R.O.W.
PROP PGL
VARIES
PROP. 84' TOLL ROADWAY
PROP. 24' ROADWAY
2' SHDR
SHDR
RAMP
PROP. 44' ROADWAY
2 WAY PHASE I
℄ DITCH
TRAVEL LANE
SHLDR
4' SHLDR
PROPOSED MBGF
PROP. SSCB
PCJ
PGL
2.5%
4:1 USUAL
6:1 USUAL
USUAL 2' DITCH

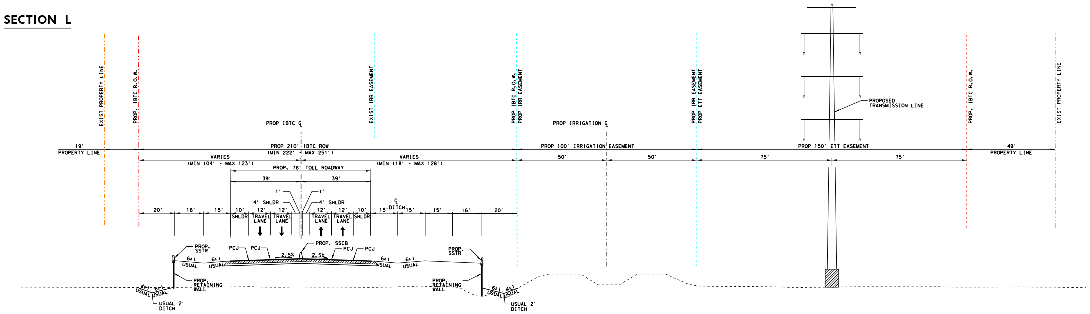
PROPOSED TYPICAL SECTION AT VALLEY VIEW INTERCHANGE (400' R.O.W.)

SECTION K


DONNA RESERVOIR
CONTROL OF ACCESS ALONG R.O.W. @ INTERSECTION. SEE SCHEMATIC FOR DETAIL
PROP IBTC ℄
PROP. 200' R.O.W.
100'
PROP. 78' TOLL ROADWAY
61'
39'
53'
4' SHLDR
TRAVEL LANE
SHLDR
PROPOSED MBGF
PROP. SSCB
PCJ
50:1 USUAL
3:1 USUAL
2.5%
PROP. EQUALIZER CULVERT (48" RCP CL III)
PROP R.O.W.

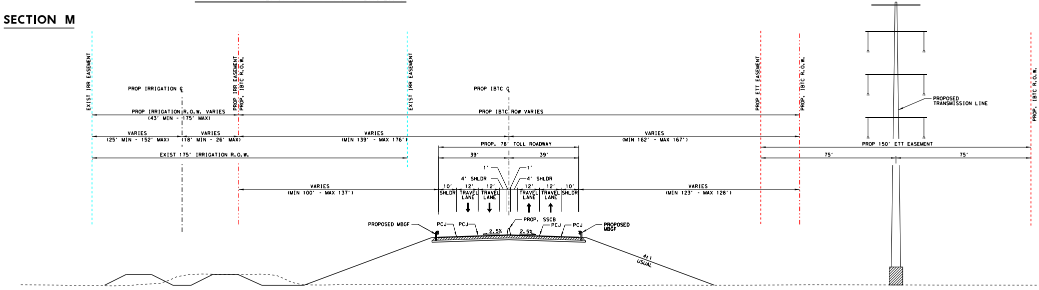
PROPOSED TYPICAL SECTION AT DONNA RESERVOIR (200' R.O.W.)

SECTION L


EXIST PROPERTY LINE
PROP. IBTC R.O.W.
EXIST IRR EASEMENT
PROP IBTC R.O.W.
PROP IRR EASEMENT
PROP IRR EASEMENT
PROP ETT EASEMENT
PROP. IBTC R.O.W.
EXIST PROPERTY LINE
PROPOSED TRANSMISSION LINE
PROP IBTC ℄
PROP IRRIGATION ℄
19' PROPERTY LINE
PROP 210' IBTC ROW (MIN 222' - MAX 251')
PROP 100' IRRIGATION EASEMENT
PROP 150' ETT EASEMENT
49' PROPERTY LINE
VARIES (MIN 104' - MAX 123')
VARIES (MIN 118' - MAX 128')
50'
75'
PROP. 78' TOLL ROADWAY
39'
℄ DITCH
4' SHLDR
TRAVEL LANE
SHLDR
PROP. SSTR
PROP. SSCB
PCJ
PROP. RETAINING WALL
6:1 USUAL
4:1 USUAL
2.5%
USUAL 2' DITCH

PROPOSED TYPICAL SECTION SOUTH APPROACH OF BUSINESS 83

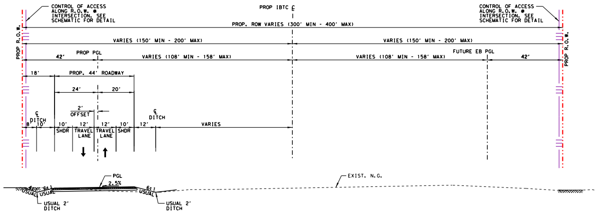
SECTION M


EXIST IRR EASEMENT
PROP IRR EASEMENT
PROP. IBTC R.O.W.
EXIST IRR EASEMENT
PROP ETT EASEMENT
PROP. IBTC R.O.W.
PROP. IBTC R.O.W.
PROPOSED TRANSMISSION LINE
PROP IRRIGATION ℄
PROP IBTC ℄
PROP IRRIGATION R.O.W. VARIES (43' MIN - 175' MAX)
PROP IBTC ROW VARIES
VARIES (25' MIN - 152' MAX)
VARIES (18' MIN - 26' MAX)
VARIES (MIN 139' - MAX 176')
VARIES (MIN 162' - MAX 167')
EXIST 175' IRRIGATION R.O.W.
PROP. 78' TOLL ROADWAY
PROP 150' ETT EASEMENT
75'
39'
VARIES (MIN 100' - MAX 137')
VARIES (MIN 123' - MAX 128')
4' SHLDR
TRAVEL LANE
SHLDR
PROPOSED MBGF
PROP. SSCB
PCJ
2.5%
4:1 USUAL

PROPOSED TYPICAL SECTION NORTH APPROACH OF BUSINESS 83

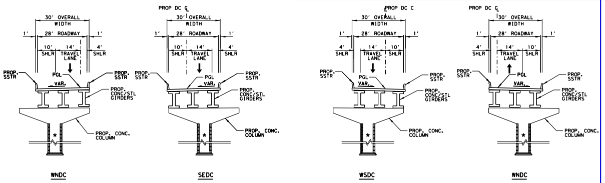
PHASE I TYPICAL SECTIONS

SECTION P

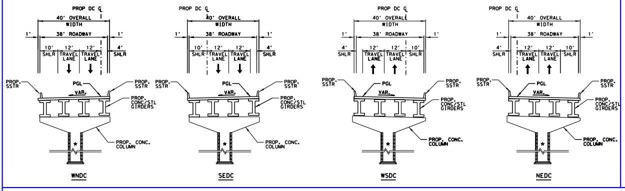

CONTROL OF ACCESS ALONG R.O.W. @ INTERSECTION. SEE SCHEMATIC FOR DETAIL
PROP IBTC ℄
PROP. ROW VARIES (300' MIN - 400' MAX)
VARIES (150' MIN - 200' MAX)
PROP PGL
FUTURE EB PGL
VARIES (108' MIN - 158' MAX)
42'
PROP. 44' ROADWAY
24'
20'
2' OFFSET
℄ DITCH
SHDR
TRAVEL LANE
VARIES
PROP R.O.W.
EXIST. N.G.
PGL
2.5%
6:1
USUAL
USUAL 2' DITCH

PROPOSED TYPICAL SECTION AT EAST LEG (300'-400' R.O.W.)

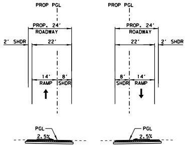
DIRECT CONNECTORS PHASE I TYPICAL SECTIONS


PROP DC ℄
30' OVERALL WIDTH
28' ROADWAY
SHLR
TRAVEL LANE
PROP. SSTR
PGL
VAR.
PROP. CONC/STL GIRDERS
PROP. CONC. COLUMN
WNDC
SEDC
WSDC
WNDC

DIRECT CONNECTORS ULTIMATE TYPICAL SECTIONS


PROP DC ℄
40' OVERALL WIDTH
38' ROADWAY
SHLR
TRAVEL LANE
PROP. SSTR
PGL
VAR.
PROP. CONC/STL GIRDERS
PROP. CONC. COLUMN
WNDC
SEDC
WSDC
NEDC

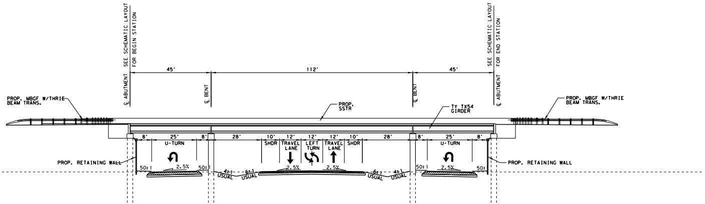
RAMP DETAILS


PROP PGL
PROP. 24' ROADWAY
22'
2' SHDR
14'
8'
RAMP
SHDR
PGL
2.5%

RIGHT RAMP DETAILS

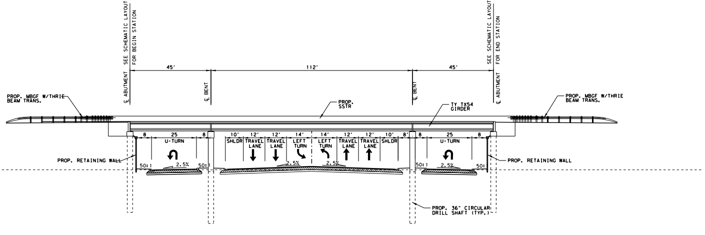
LEFT RAMP DETAILS

TYPICAL PHASE I & ULTIMATE GRADE SEPARATION


SEE SCHEMATIC LAYOUT FOR BEGIN STATION
SEE SCHEMATIC LAYOUT FOR END STATION
℄ ABUTMENT
℄ BENT
45'
112'
PROP. MBGF W/THRIE BEAM TRANS.
PROP. SSTR
TY TX54 GIRDER
U-TURN
SHDR
TRAVEL LANE
LEFT TURN
PROP. RETAINING WALL
PROP. 36" CIRCULAR DRILL SHAFT (TYP.)

TYPICAL PHASE I GRADE SEPARATION

STRUCTURE DETAILS AT OVERPASS

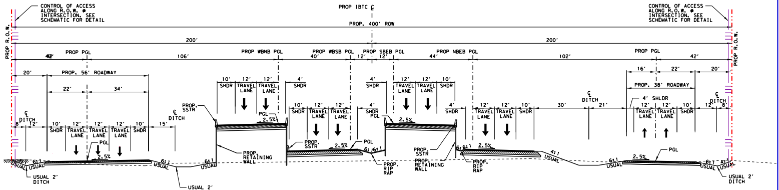

SEE SCHEMATIC LAYOUT FOR BEGIN STATION
SEE SCHEMATIC LAYOUT FOR END STATION
℄ ABUTMENT
℄ BENT
45'
112'
PROP. MBGF W/THRIE BEAM TRANS.
PROP. SSTR
TY TX54 GIRDER
U-TURN
SHDLR
TRAVEL LANE
LEFT TURN
PROP. RETAINING WALL
PROP. 36" CIRCULAR DRILL SHAFT (TYP.)

TYPICAL ULTIMATE GRADE SEPARATION

STRUCTURE DETAILS AT OVERPASS

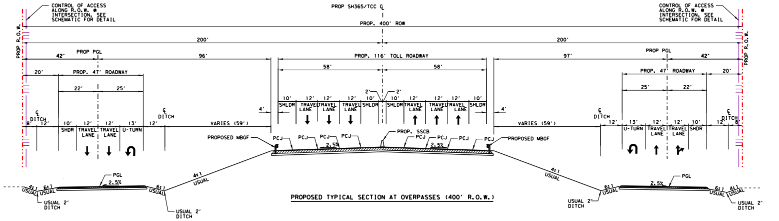
ULTIMATE TYPICAL SECTIONS

SECTION A


CONTROL OF ACCESS ALONG R.O.W. @ INTERSECTION. SEE SCHEMATIC FOR DETAIL
PROP IBTC ℄
PROP. 400' ROW
200'
PROP PGL
PROP WBNB PGL
PROP WBSB PGL
PROP SBEB PGL
PROP NBEB PGL
PROP. 56' ROADWAY
PROP. 38' ROADWAY
PROP. SSTR
PROP. RETAINING WALL
PROP. RIP RAP
USUAL 2' DITCH

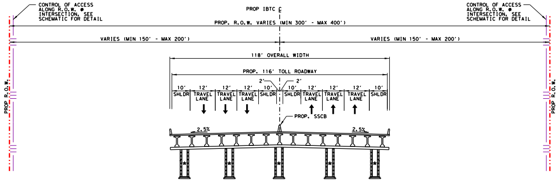
PROPOSED TYPICAL SECTION AT B-B OVERPASSES (400' R.O.W.)

SECTION B, D, E, G, I, J, & P


CONTROL OF ACCESS ALONG R.O.W. @ INTERSECTION. SEE SCHEMATIC FOR DETAIL
PROP SH365/TCC ℄
PROP. 400' ROW
200'
PROP PGL
PROP. 47' ROADWAY
PROP. 116' TOLL ROADWAY
VARIES (59')
U-TURN
PROP. SSCB
PCJ
PROPOSED MBGF
USUAL 2' DITCH

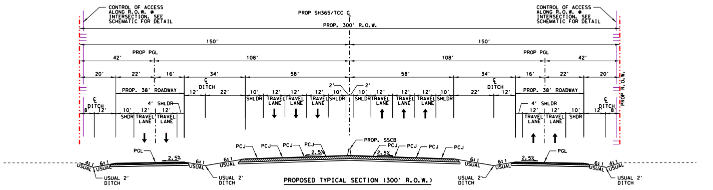
PROPOSED TYPICAL SECTION AT OVERPASSES (400' R.O.W.)

SECTION C & H


CONTROL OF ACCESS ALONG R.O.W. @ INTERSECTION. SEE SCHEMATIC FOR DETAIL
PROP IBTC ℄
PROP. R.O.W. VARIES (MIN 300' - MAX 400')
VARIES (MIN 150' - MAX 200')
118' OVERALL WIDTH
PROP. 116' TOLL ROADWAY
SHLDR
TRAVEL LANE
PROP. SSCB
2.5%
PROP R.O.W.

PROPOSED BRIDGE TYPICAL SECTION AT PRINCIPAL ARTERIALS (300' & 400' R.O.W.)

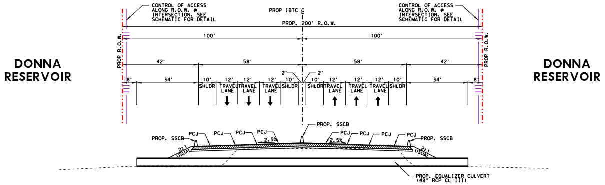
SECTION D, F, & P


CONTROL OF ACCESS ALONG R.O.W. @ INTERSECTION. SEE SCHEMATIC FOR DETAIL
PROP SH365/TCC ℄
PROP. 300' R.O.W.
150'
PROP PGL
108'
PROP. 38' ROADWAY
4' SHLDR
PROP. SSCB
PCJ
USUAL 2' DITCH

PROPOSED TYPICAL SECTION (300' R.O.W.)

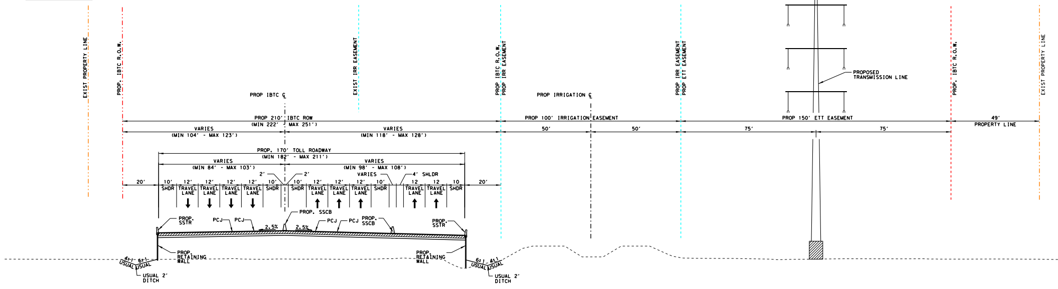
ULTIMATE TYPICAL SECTIONS

SECTION K

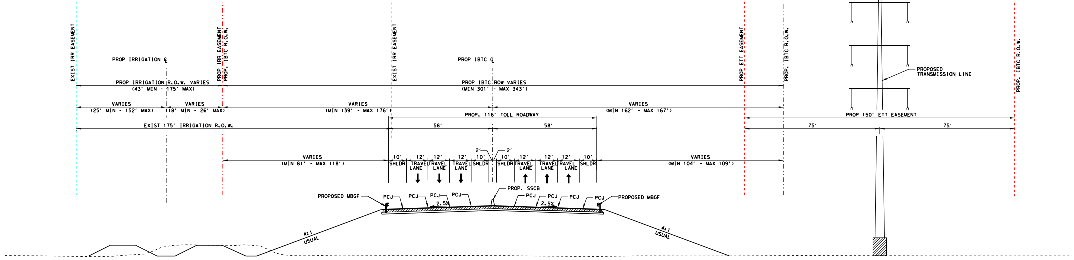

DONNA RESERVOIR
CONTROL OF ACCESS ALONG R.O.W. @ INTERSECTION. SEE SCHEMATIC FOR DETAIL
PROP IBTC ℄
PROP. 200' R.O.W.
100'
42'
58'
8'
34'
10'
12'
2'
SHLDR
TRAVEL LANE
PROP R.O.W.
PROP. SSCB
PCJ
2.5%
2:1 USUAL
PROP. EQUALIZER CULVERT (48" RCP CL III)
DONNA RESERVOIR

PROPOSED TYPICAL SECTION AT DONNA RESERVOIR (200' R.O.W.)

SECTION L

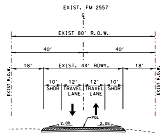

EXIST PROPERTY LINE
PROP. IBTC R.O.W.
EXIST IRR EASEMENT
PROP IBTC R.O.W.
PROP IRR EASEMENT
PROP IRR EASEMENT
PROP ETT EASEMENT
PROP IBTC ℄
PROP IRRIGATION ℄
PROPOSED TRANSMISSION LINE
PROP 210' IBTC ROW (MIN 222' - MAX 251')
VARIES (MIN 104' - MAX 123')
VARIES (MIN 118' - MAX 128')
PROP 100' IRRIGATION EASEMENT
50'
PROP 150' ETT EASEMENT
75'
49' PROPERTY LINE
PROP. 170' TOLL ROADWAY (MIN 182' - MAX 211')
VARIES (MIN 84' - MAX 103')
VARIES (MIN 98' - MAX 108')
VARIES
4' SHLDR
20'
10'
12'
2'
SHDR
TRAVEL LANE
PROP. SSTR
PROP. SSCB
PCJ
2.5%
PROP. RETAINING WALL
4:1 USUAL
6:1 USUAL
USUAL 2' DITCH

SECTION M


EXIST IRR EASEMENT
PROP IRR EASEMENT
PROP. IBTC R.O.W.
EXIST IRR EASEMENT
PROP ETT EASEMENT
PROP. IBTC R.O.W.
PROP IRRIGATION ℄
PROP IBTC ℄
PROPOSED TRANSMISSION LINE
PROP IRRIGATION R.O.W. VARIES (43' MIN - 175' MAX)
PROP IBTC ROW VARIES (MIN 301' - MAX 343')
VARIES (25' MIN - 152' MAX)
VARIES (18' MIN - 26' MAX)
VARIES (MIN 139' - MAX 176')
VARIES (MIN 162' - MAX 167')
PROP. 116' TOLL ROADWAY
EXIST 175' IRRIGATION R.O.W.
58'
PROP 150' ETT EASEMENT
75'
VARIES (MIN 81' - MAX 118')
VARIES (MIN 104' - MAX 109')
10'
12'
2'
SHLDR
TRAVEL LANE
PROP. SSCB
PROPOSED MBGF
PCJ
2.5%
4:1 USUAL

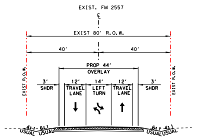
PROPOSED TYPICAL SECTION NORTH APPROACH OF BUSINESS 83

EXISTING/PROPOSED INTERSECTION ROADS


EXIST. FM 2557
℄
EXIST 80' R.O.W.
40'
18'
EXIST. 44' RDWY.
10'
12'
SHDR
TRAVEL LANE
EXIST R.O.W.
PGL
2.0%

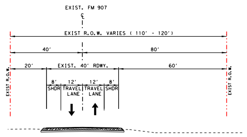
EXISTING FM 2557 (STEWART ROAD)

TYPICAL SECTION


EXIST. FM 2557
℄
EXIST 80' R.O.W.
40'
PROP 44' OVERLAY
3'
12'
14'
SHDR
TRAVEL LANE
LEFT TURN
EXIST R.O.W.
4:1 USUAL
6:1 USUAL

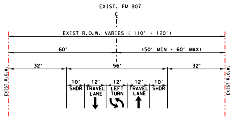
PROPOSED FM 2557 (STEWART ROAD)

TYPICAL SECTION


EXIST. FM 907
EXIST R.O.W. VARIES (110' - 120')
40'
80'
20'
EXIST. 40' RDWY.
60'
8'
12'
SHDR
TRAVEL LANE
EXIST R.O.W.

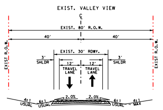
EXISTING FM 907 (ALAMO ROAD)

TYPICAL SECTION


EXIST. FM 907
EXIST R.O.W. VARIES (110' - 120')
60'
(50' MIN - 60' MAX)
32'
56'
10'
12'
SHDR
TRAVEL LANE
LEFT TURN
EXIST R.O.W.
4:1 USUAL
6:1 USUAL
USUAL 2' DITCH

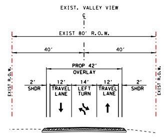
PROPOSED FM 907 (ALAMO ROAD)

TYPICAL SECTION


EXIST. VALLEY VIEW
EXIST. 80' R.O.W.
40'
EXIST. 30' RDWY.
SHLDR
TRAVEL LANE
EXIST R.O.W.
2.0%
4:1
6:1

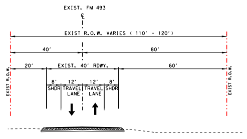
EXISTING VALLEY VIEW

TYPICAL SECTION


EXIST. VALLEY VIEW
EXIST 80' R.O.W.
40'
PROP 42' OVERLAY
2'
12'
14'
SHDR
TRAVEL LANE
LEFT TURN
EXIST R.O.W.

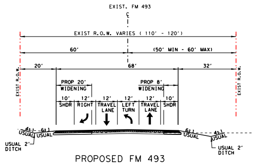
PROPOSED VALLEY VIEW

TYPICAL SECTION


EXIST. FM 493
EXIST R.O.W. VARIES (110' - 120')
40'
80'
20'
EXIST. 40' RDWY.
60'
8'
12'
SHDR
TRAVEL LANE
EXIST R.O.W.

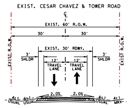
EXISTING FM 493

TYPICAL SECTION


EXIST. FM 493
EXIST R.O.W. VARIES (110' - 120')
60'
(50' MIN - 60' MAX)
20'
68'
32'
PROP 20' WIDENING
PROP 8' WIDENING
10'
12'
SHDR
RIGHT TURN
TRAVEL LANE
LEFT TURN
EXIST R.O.W.
4:1 USUAL
6:1 USUAL
USUAL 2' DITCH

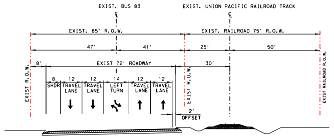
PROPOSED FM 493

TYPICAL SECTION

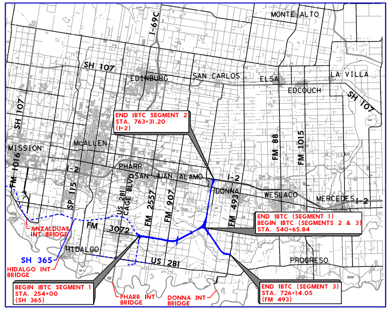

EXIST. CESAR CHAVEZ & TOWER ROAD
EXIST. 40' R.O.W.
30'
EXIST. 30' RDWY.
3'
SHLDR
TRAVEL LANE
EXIST R.O.W.
2.0%

EXISTING/PROP. CESAR CHAVEZ & TOWER ROAD

TYPICAL SECTION


EXIST. BUS 83
EXIST. UNION PACIFIC RAILROAD TRACK
EXIST. 85' R.O.W.
EXIST. RAILROAD 75' R.O.W.
47'
41'
25'
50'
8'
EXIST 72' ROADWAY
30'
12
14
SHDR
TRAVEL LANE
LEFT TURN
EXIST R.O.W.
EXIST R.O.W.
EXIST RAILROAD R.O.W.
2' OFFSET

EXIST. BUSINESS 83 TYPICAL SECTION


I-69C
MONTE ALTO
SH 107
EDINBURG
SAN CARLOS
ELSA
LA VILLA
EDCOUCH
SH 107
SH 107
MISSION
McALLEN
FM 88
FM 1015
FM 1016
I-2
PHARR
SAN JUAN
ALAMO
DONNA
WESLACO
MERCEDES
I-2
END IBTC SEGMENT 2 STA. 763+31.20 (I-2)
SP 115
FM 2557
FM 907
FM 493
FM 3072
END IBTC (SEGMENT 1) BEGIN IBTC (SEGMENTS 2 & 3) STA. 540+65.84
ANZALDUAS INT. BRIDGE
HIDALGO
US 281
PROGRESO
SH 365
HIDALGO INT. BRIDGE
BEGIN IBTC SEGMENT 1 STA. 254+00 (SH 365)
PHARR INT. BRIDGE
DONNA INT. BRIDGE
END IBTC (SEGMENT 3) STA. 726+14.05 (FM 493)

DESIGN DATA
INTERNATIONAL BRIDGE TRADE CORRIDOR (IBTC)

CSJ : 0921-02-142

NET LENGTH : 13.15 MILES

SEGMENT 1 : FROM SH 365/FM 3072 RD INTERCHANGE
: TO VALLEY VIEW INTERCHANGE (5.43 MILES)

SEGMENT 2 : FROM VALLEY VIEW INTERCHANGE, NORTH
: TO INTERSTATE 2 (4.21 MILES)

SEGMENT 3 : FROM VALLEY VIEW INTERCHANGE, EAST
: TO FM 493 (3.51 MILES)

FUNCTIONAL CLASSIFICATION : URBAN FREEWAY (PRINCIPAL ARTERIAL)

ADT (2013) : SEE IBTC TRAFFIC VOLUME DIAGRAM
(2033) : SEE IBTC TRAFFIC VOLUME DIAGRAM

e MAX : 6%

DESIGN CRITERIA : TxDOT ROADWAY DESIGN MANUAL
CHAPTER 3, SECTION 6 - (FREEWAYS)

DESIGN SPEED TABLE	
IBTC	
MAINLANES	70 MPH
RAMP	50 MPH
FRONTAGE ROADS	50 MPH
DIRECT CONNECTORS	50 MPH-70 MPH
CROSSROADS	
FM 3072 (DICKER RD.)	50 MPH
FM 2557 (STEWART RD.)	50 MPH
FM 907 (ALAMO RD.)	55 MPH
TOWER RD.	35 MPH
BORDER/BALLI RD.	35 MPH
VALLEY VIEW RD.	35 MPH
COUNTY RD 1821	35 MPH
BUSINESS 83	50 MPH
INTERSTATE 2	70 MPH
FM 493	55 MPH

NOT A BIDDING DOCUMENT

GUSTAVO O. LOPEZ
56267
P.E.
11/17/14

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

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Texas Department of Transportation

DANNENBAUM
ENGINEERING COMPANY - McALLEN, LLC
T.B.P.E. FIRM REGISTRATION #8999
1109 NOLANA LOOP, STE 280 MCALLEN, TX 78504 (956) 682-3677

INTERNATIONAL BRIDGE
TRADE CORRIDOR
TYPICAL SECTIONS
ROLL 5 OF 5

	FED. RD. DIV. NO.	STATE	PROJECT NO.			HIGHWAY NO.
DRAWING: CK:	6	TEXAS				IBTC
ENGINEER CK:	STATE DIST. NO	COUNTY	CONT	SECT	JOB	SHEET NO.
REVIEW: CK:	PHR	HIDALGO	0921	02	142	