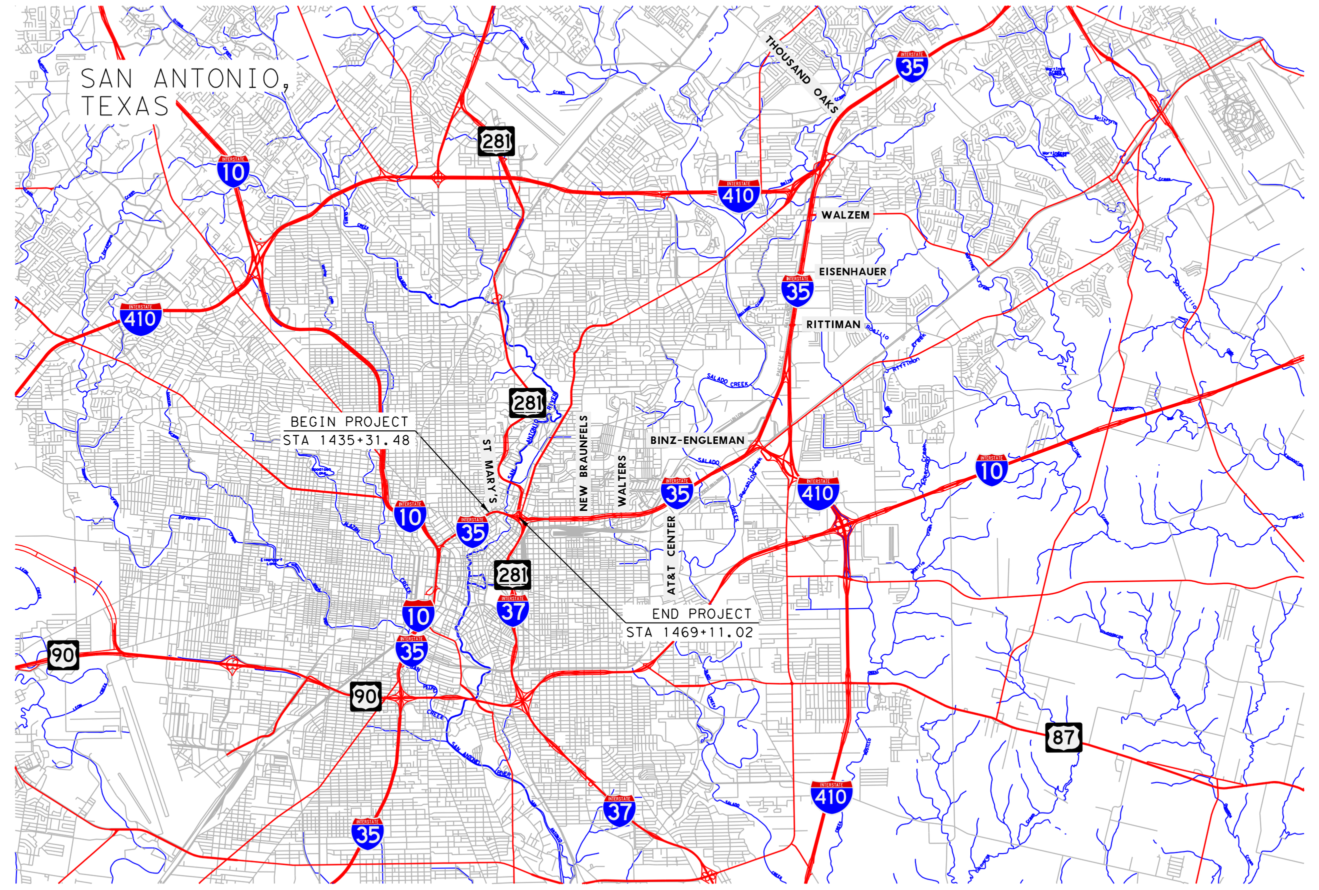
TEXAS DEPARTMENT OF TRANSPORTATION

SCHEMATIC LAYOUT

IH 35

BEXAR COUNTY

LIMITS: FROM 0.8 MI. S OF US 281
TO 0.1 MI. S OF US 281
C-S-J: 0017-10-271
LENGTH: 3,379.54 FT = 0.640 MI
OFFICE OF THE DISTRICT ENGINEER
SAN ANTONIO DISTRICT



NOT TO SCALE

DESIGN SPEED:	MAINLANE RAMP	50 MPH (URBAN)(LEVEL) 35 MPH (URBAN)(LEVEL)
CURRENT ADT(2015):		206,500
PROJECTED ADT(2035):		284,000
FUNCTIONAL CLASSIFICATION:		URBAN INTERSTATE
PROPOSED DESIGN STANDARDS(STRUCTURES):		LRFD
PROPOSED DESIGN STANDARDS(ROADWAY):		ROADWAY DESIGN MANUAL CHAPTER 3; 4R, SECTION 6; FREEWAYS
PROPOSED DESIGN STANDARDS(TRAFFIC):		TMUTCD & APPLICABLE TRAFFIC STANDARDS

CORRECT:

______________________, 2014

TRANSPORTATION PLANNING DIRECTOR

RECOMMENDED FOR APPROVAL:

______________________, 2014

DIRECTOR OF TRANSPORTATION, PLANNING AND DEVELOPMENT

SUBMITTED:

______________________, 2014

PROJECT MANAGER

KCI KENNEDY CONSULTING
TBPE REGISTRATION NO. F-926

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES
KCI KENNEDY CONSULTING
TBPE REG. # F-926
ENGINEER MATTHEW J. WERNER
P.E. NO. 107847 DATE 5/1/2014

Texas Department of Transportation

APPROVED:

______________________, 2014

DISTRICT ENGINEER

APPROVED: DESIGN DIVISION LETTER DATED

APPROVED: F.H.W.A. LETTER DATED

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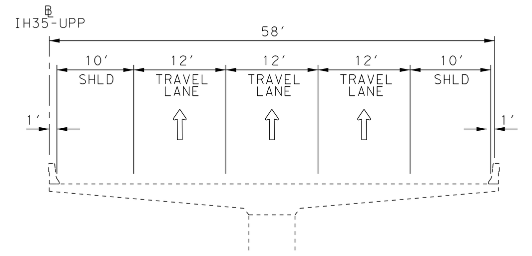
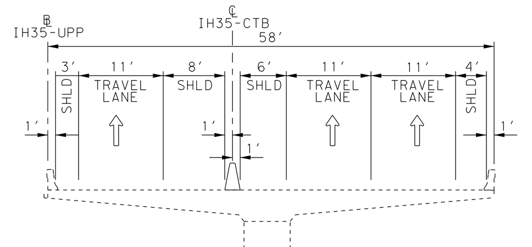
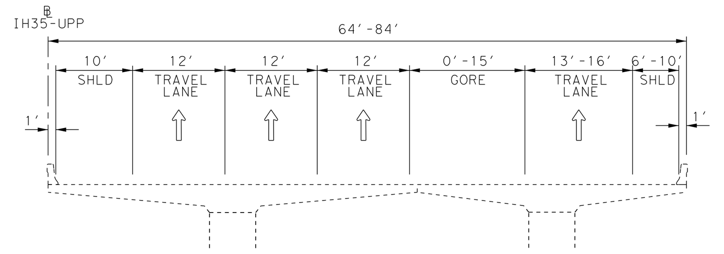


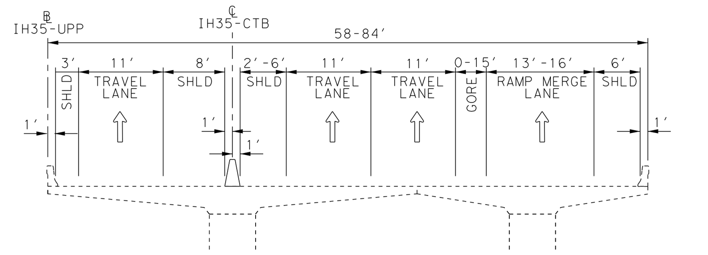
EXISTING ROADWAY SECTION
IH 35 NORTHBOUND MAINLANES (UPPER LEVEL)
IH35-UPP STA 338+59.52 TO 331+57.10



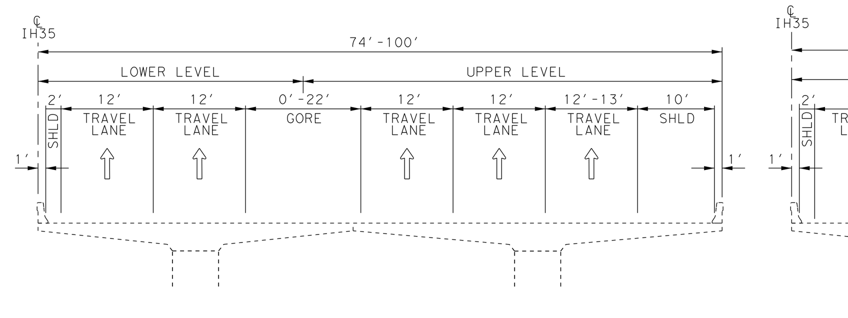
PROPOSED ROADWAY SECTION
IH 35 NORTHBOUND MAINLANES (UPPER LEVEL)
IH35-UPP STA 331+57.10



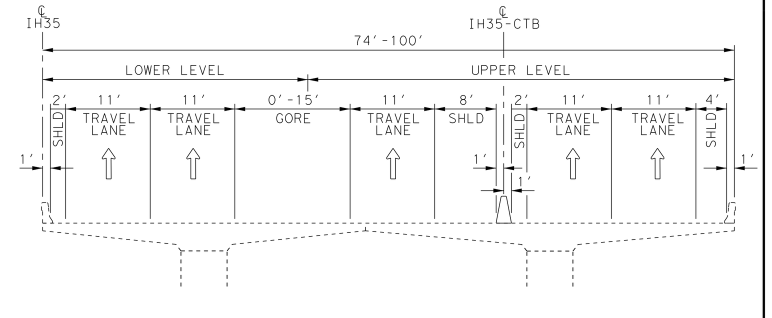
EXISTING ROADWAY SECTION
IH 35 NORTHBOUND MAINLANES (UPPER LEVEL)
IH35-UPP STA 331+57.10 TO 323+66.19



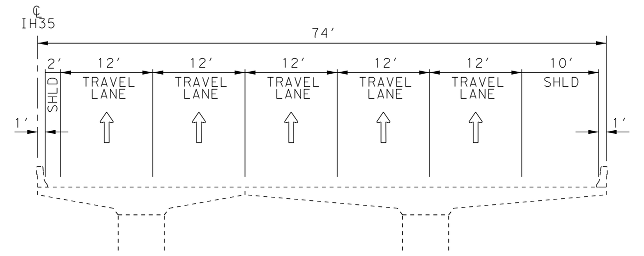
PROPOSED ROADWAY SECTION
IH 35 NORTHBOUND MAINLANES (UPPER LEVEL)
IH35-UPP STA 331+57.10 TO 323+66.19



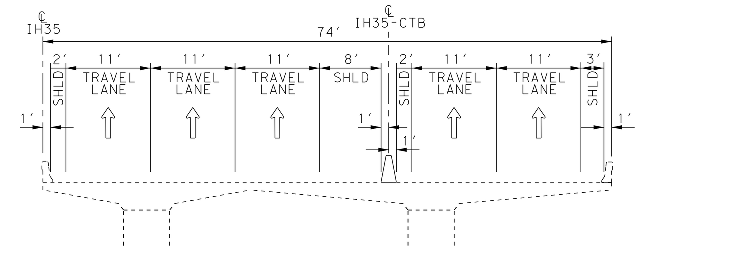
EXISTING ROADWAY SECTION
IH 35 NORTHBOUND MAINLANES
IH35 STA 1450+44.25 TO 1454+06.84



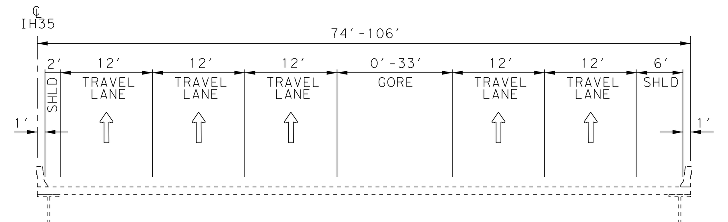
PROPOSED ROADWAY SECTION
IH 35 NORTHBOUND MAINLANES
IH35 STA 1450+44.25 TO 1454+79.69



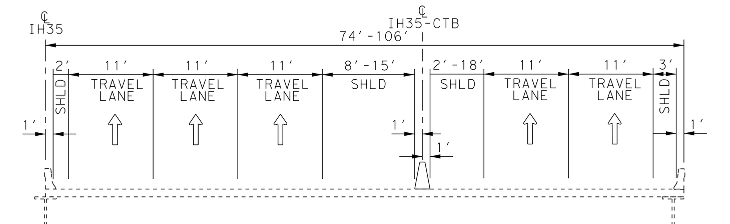
EXISTING ROADWAY SECTION
IH 35 NORTHBOUND MAINLANES
IH35 STA 1454+06.84 TO 1461+95.76



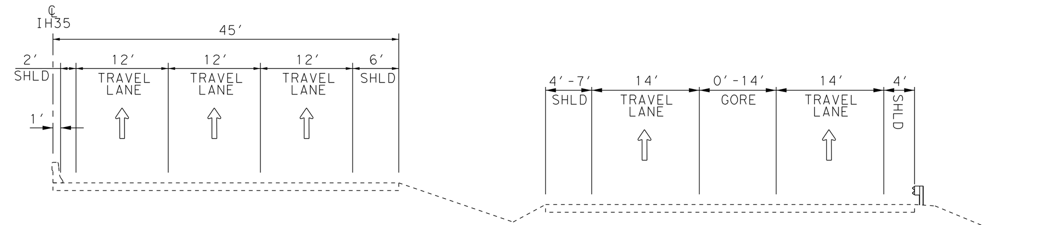
PROPOSED ROADWAY SECTION
IH 35 NORTHBOUND MAINLANES
IH35 STA 1454+79.69 TO 1462+67.58



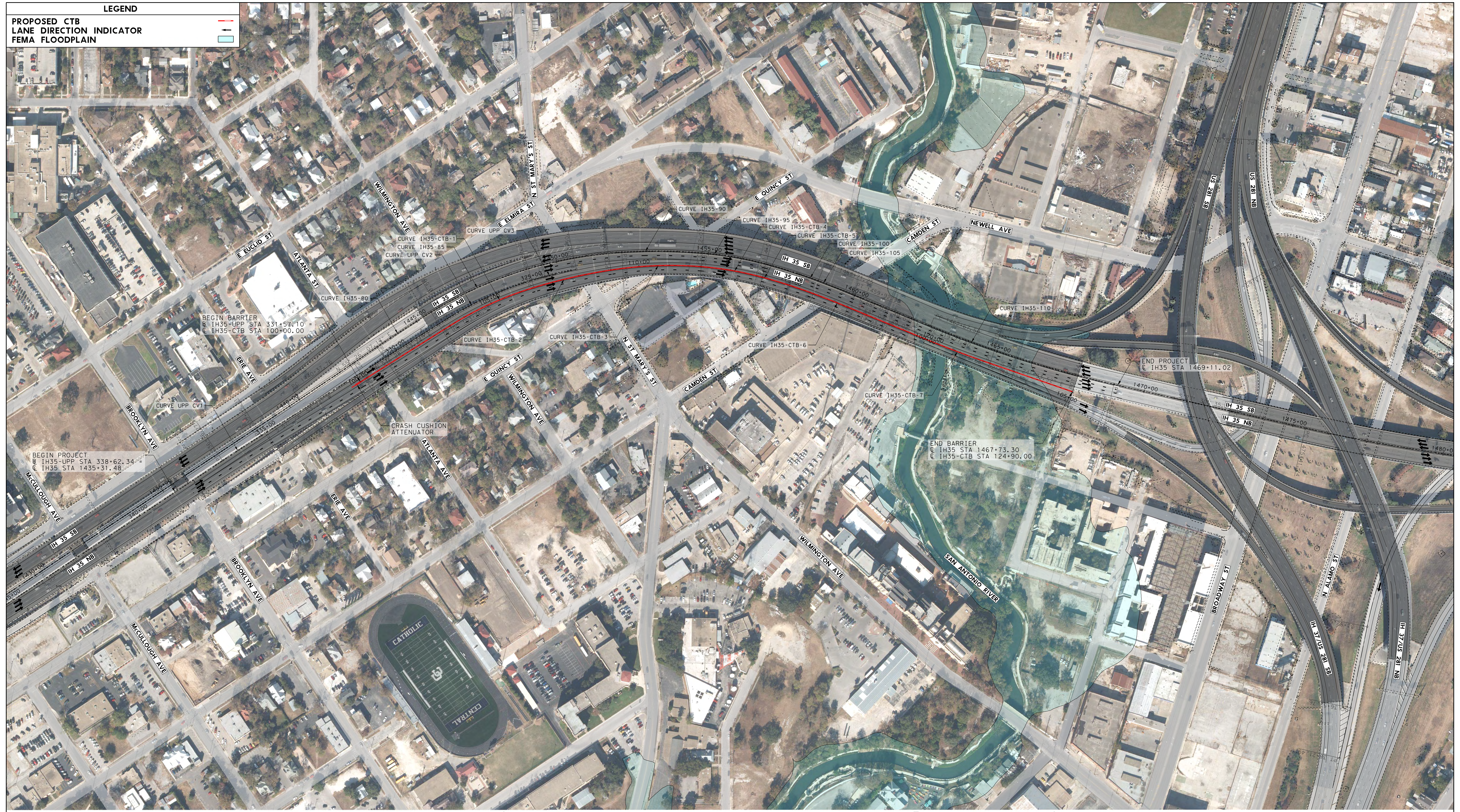
EXISTING ROADWAY SECTION
IH 35 NORTHBOUND MAINLANES
IH35 STA 1461+95.76 TO 1467+73.30



PROPOSED ROADWAY SECTION
IH 35 NORTHBOUND MAINLANES
IH35 STA 1462+67.58 TO 1467+73.30



EXISTING ROADWAY SECTION
IH 35 NORTHBOUND MAINLANES
IH35 1467+73.30 TO 1469+11.02



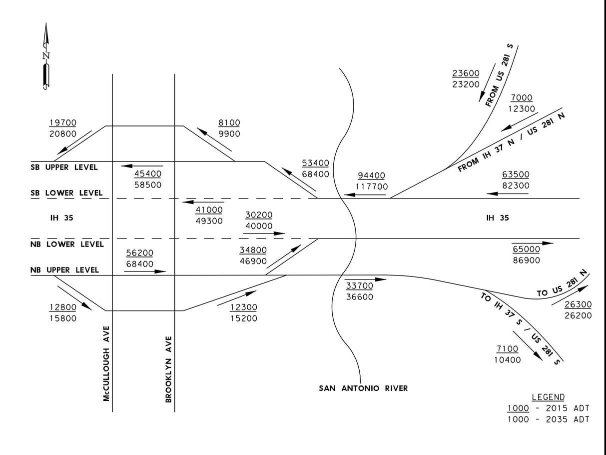
PRELIMINARY
SUBJECT TO CHANGE

0' 100' 200'

AERIAL PHOTOGRAPH DATED: MAY 2011
PLANIMETRICS DATED: JUNE 2012

NOTES:

1. NO REVISIONS OR WIDENING OF THE EXISTING PROFILE IS PROPOSED; PROFILE OMITTED.
2. EXISTING ROUTE MARKERS ALONG CROSS STREETS AND FRONTAGE ROADS WILL BE REVISED TO REFLECT CHANGES IN LOCAL STREET ACCESS TO IH 35.
3. EXISTING UTILITIES NOT SHOWN FOR CLARITY. ALL PROPOSED WORK IS WITHIN THE LIMITS OF OF THE EXISTING BRIDGE DECK.



IH35

CURVE IH35-75	
PI STATION	= 1441+45.45
DELTA	= 0° 32' 18.32" (LT)
DEGREE OF CURVE	= 0° 15' 00.00"
TANGENT	= 107.69
LENGTH	= 215.37
RADIUS	= 22,918.31
PC STATION	= 1440+37.76
PT STATION	= 1442+53.13

CURVE IH35-80	
PI STATION	= 1444+50.09
DELTA	= 2° 37' 55.52" (RT)
DEGREE OF CURVE	= 1° 15' 00.00"
TANGENT	= 105.30
LENGTH	= 210.57
RADIUS	= 4,583.66
PC STATION	= 1443+44.79
PT STATION	= 1445+55.36

CURVE IH35-85	
PI STATION	= 1448+92.55
DELTA	= 28° 08' 06.06" (RT)
DEGREE OF CURVE	= 4° 15' 28.43"
TANGENT	= 337.19
LENGTH	= 660.77
RADIUS	= 1,345.64
PC STATION	= 1445+55.36
PT STATION	= 1452+16.13

CURVE IH35-90	
PI STATION	= 1453+48.12
DELTA	= 7° 55' 01.37" (RT)
DEGREE OF CURVE	= 3° 00' 14.16"
TANGENT	= 131.99
LENGTH	= 263.56
RADIUS	= 1,907.36
PC STATION	= 1452+16.13
PT STATION	= 1454+79.69

CURVE IH35-95	
PI STATION	= 1455+85.74
DELTA	= 10° 35' 51.38" (RT)
DEGREE OF CURVE	= 5° 00' 39.35"
TANGENT	= 106.05
LENGTH	= 211.49
RADIUS	= 1,143.42
PC STATION	= 1454+79.69
PT STATION	= 1456+91.18

CURVE IH35-100	
PI STATION	= 1457+81.28
DELTA	= 5° 24' 33.47" (RT)
DEGREE OF CURVE	= 3° 00' 14.16"
TANGENT	= 90.10
LENGTH	= 180.07
RADIUS	= 1,907.36
PC STATION	= 1456+91.18
PT STATION	= 1458+71.25

CURVE IH35-105	
PI STATION	= 1459+32.11
DELTA	= 1° 49' 36.02" (RT)
DEGREE OF CURVE	= 1° 30' 03.54"
TANGENT	= 60.85
LENGTH	= 121.70
RADIUS	= 3,817.22
PC STATION	= 1458+71.25
PT STATION	= 1459+92.95

CURVE IH35-110	
PI STATION	= 1465+83.53
DELTA	= 9° 27' 46.21" (LT)
DEGREE OF CURVE	= 1° 30' 03.54"
TANGENT	= 315.94
LENGTH	= 630.44
RADIUS	= 3,817.22
PC STATION	= 1462+67.59
PT STATION	= 1468+98.04

IH35-UPP

CURVE UPP-CV1	
PI STATION	= 336+00.74
DELTA	= 1° 30' 27.76" (LT)
DEGREE OF CURVE	= 0° 59' 53.10"
TANGENT	= 75.53
LENGTH	= 151.06
RADIUS	= 5,740.59
PC STATION	= 335+25.21
PT STATION	= 336+76.27

CURVE UPP-CV2	
PI STATION	= 326+34.55
DELTA	= 17° 34' 20.56" (LT)
DEGREE OF CURVE	= 4° 57' 08.85"
TANGENT	= 178.81
LENGTH	= 354.82
RADIUS	= 1,156.92
PC STATION	= 324+55.73
PT STATION	= 328+10.55

CURVE UPP-CV3	
PI STATION	= 324+03.33
DELTA	= 2° 11' 51.75" (LT)
DEGREE OF CURVE	= 2° 05' 49.49"
TANGENT	= 52.41
LENGTH	= 104.80
RADIUS	= 2,732.17
PC STATION	= 323+50.93
PT STATION	= 324+55.73

IH35-CTB

CURVE IH35-CTB-1	
PI STATION	= 104+98.87
DELTA	= 15° 18' 53.72" (RT)
DEGREE OF CURVE	= 5° 03' 26.54"
TANGENT	= 152.32
LENGTH	= 302.82
RADIUS	= 1,132.92
PC STATION	= 103+46.55
PT STATION	= 106+49.37

CURVE IH35-CTB-2	
PI STATION	= 107+78.79
DELTA	= 8° 02' 17.91" (RT)
DEGREE OF CURVE	= 3° 06' 38.18"
TANGENT	= 129.42
LENGTH	= 258.42
RADIUS	= 1,841.95
PC STATION	= 106+49.37
PT STATION	= 109+07.79

CURVE IH35-CTB-3	
PI STATION	= 110+56.52
DELTA	= 13° 17' 05.24" (RT)
DEGREE OF CURVE	= 4° 29' 10.28"
TANGENT	= 148.73
LENGTH	= 296.13
RADIUS	= 1,277.16
PC STATION	= 109+07.79
PT STATION	= 112+03.91

CURVE IH35-CTB-4	
PI STATION	= 113+05.79
DELTA	= 10° 35' 51.38" (RT)
DEGREE OF CURVE	= 5° 12' 58.39"
TANGENT	= 101.87
LENGTH	= 203.17
RADIUS	= 1,098.42
PC STATION	= 112+03.91
PT STATION	= 114+07.08

CURVE IH35-CTB-5	
PI STATION	= 114+95.06
DELTA	= 5° 24' 33.46" (RT)
DEGREE OF CURVE	= 3° 04' 35.46"
TANGENT	= 87.98
LENGTH	= 175.83
RADIUS	= 1,862.36
PC STATION	= 114+07.08
PT STATION	= 115+82.90

CURVE IH35-CTB-6	
PI STATION	= 116+43.04
DELTA	= 1° 49' 36.02" (RT)
DEGREE OF CURVE	= 1° 31' 08.00"
TANGENT	= 60.14
LENGTH	= 120.26
RADIUS	= 3,772.22
PC STATION	= 115+82.90
PT STATION	= 117+03.17

CURVE IH35-CTB-7	
PI STATION	= 120+91.17
DELTA	= 3° 21' 44.50" (LT)
DEGREE OF CURVE	= 1° 28' 59.89"
TANGENT	= 113.37
LENGTH	= 226.68
RADIUS	= 3,862.72
PC STATION	= 119+77.80
PT STATION	= 122+04.48