SCALE:200.000000:1.000000
PLOTTED ON:20-MAR-2009 13:08

STATE OF TEXAS
DEPARTMENT OF TRANSPORTATION
AUSTIN DISTRICT

PLAN AND PROFILE: PRELIMINARY DESIGN SCHEMATIC

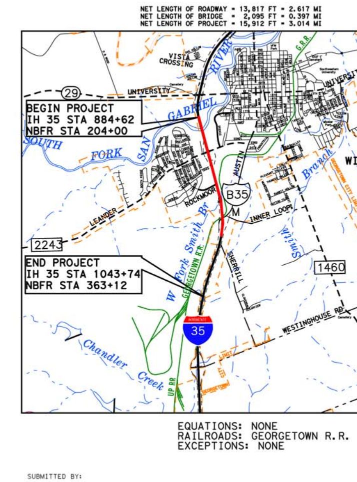
FROM: 0.08 MI SOUTH OF SH 29
TO: 0.84 MI NORTH OF WESTINGHOUSE RD.

IH 35 NORTHBOUND FRONTAGE ROAD
WILLIAMSON COUNTY

PROJECT NO. NH ( )

CONTROL CSJ = 0015-08-128
CONTROL CSJ = 0015-09-160

NET LENGTH OF ROADWAY = 13,817 FT = 2.617 MI
NET LENGTH OF BRIDGE = 2,095 FT = 0.397 MI
NET LENGTH OF PROJECT = 15,912 FT = 3.014 MI



EQUATIONS: NONE
RAILROADS: GEORGETOWN R.R.
EXCEPTIONS: NONE

SUBMITTED BY:

CORRECT: 3/18/ , 2009

ROBERT J. WATSON, P.E.

HNTB
TBPE Firm Registration No: 420
HNTB CORPORATION
THE HNTB COMPANIES
ENGINEERS ARCHITECTS PLANNERS
301 CONGRESS AVENUE, SUITE 600
AUSTIN, TX 78701
(512) 447-5590

STATE OF TEXAS ROBERT J. WATSON 97811 LICENSED PROFESSIONAL ENGINEER 3/18/09

APPROVED: TXDOT DESIGN DIVISON LETTER DATED

APPROVED: FHWA LETTER DATED

SUBMITTED FOR APPROVAL: ______________ , 2009

TRANSPORTATION PLANNING DIRECTOR

APPROVED: ______________ , 2009

DIRECTOR OF TRANSPORTATION PLANNING AND DEVELOPMENT

APPROVED: ______________ , 2009

DISTRICT ENGINEER

BEARING BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, NAD83, CENTRAL ZONE AND ADJUSTED TO SURFACE USING PROJECTED SURFACE ADJUSTMENT FACTOR OF 1.00013.

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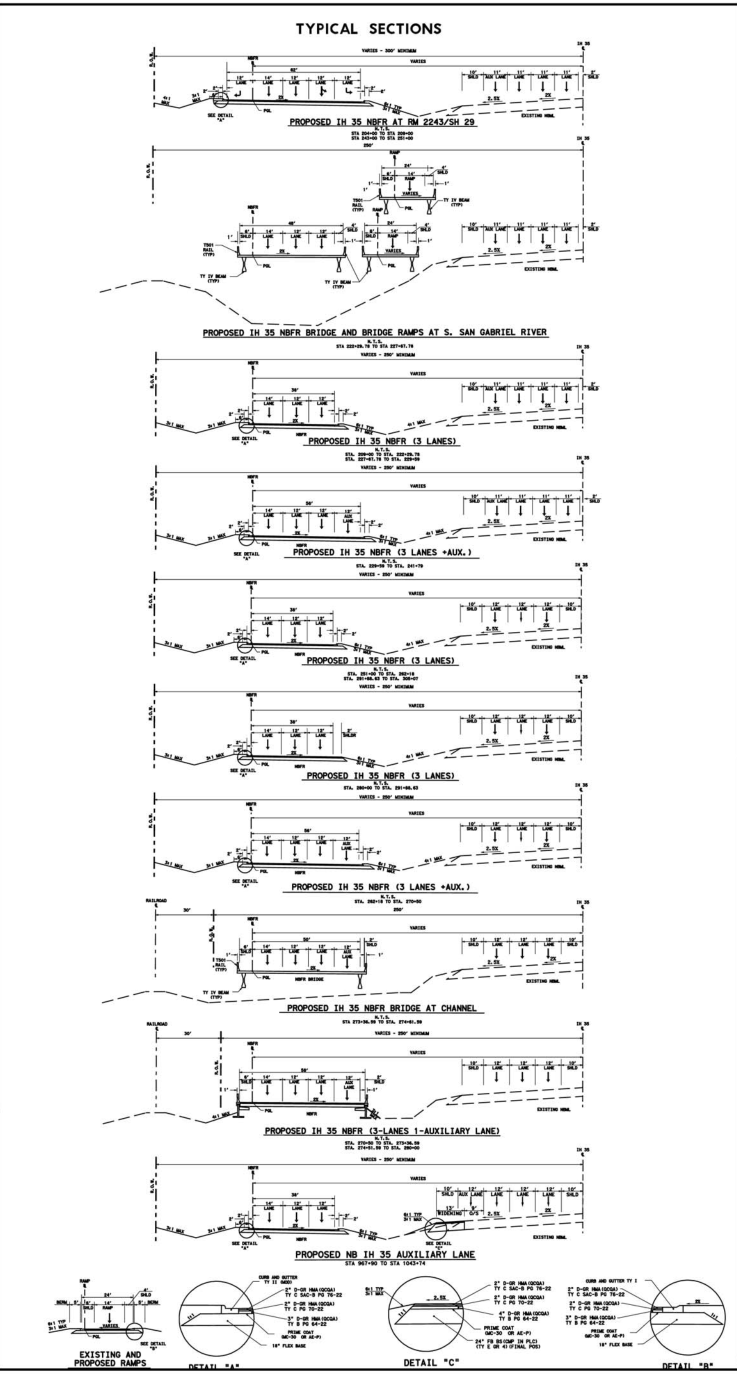
PROJECTED ADT: 23,150 (2008)
PROJECTED ADT: 35,900 (2028)
FUNCTIONAL CLASSIFICATION: URBAN COLLECTOR

DATE: MARCH 2009
SCALE: 1":100' H
1":10' V

DESIGN SPEED:
MAINLANES - 70 MPH
FRONTAGE ROADS - 50 MPH
RAMPS - 50 MPH
CROSS STREET - 35 MPH

TYPICAL SECTIONS



PRELIMINARY ONLY
NOT A BIDDING DOCUMENT

SUPERELVATION TABLE

STA	SLOPE RATE R	SLOPE RATE L	CURVE
IH 35 NBFR			
200+00	-2.0		
201+89.27	2.7		FR_SCH-1
220+73.60	2.7		FR_SCH-1
223+34.70	-2.0		
237+71.80	-2.0		
238+10.73	-2.7		FR_SCH-3
240+10.76	-2.7		FR_SCH-3
240+49.65	-2.0		
RAMP 1			
16+16.22	2.7	-2.7	R1ALN-4
19+69.33	2.7	-2.7	R1ALN-4
22+69.33	-4.3	4.3	R1ALN-5
23+97.45	-4.3	4.3	R1ALN-5
26+17.22	2.0	-2.0	
28+92.02	2.5	-2.5	
RAMP 2			
26+68.28	-2.0	2.0	
31+35.77	-2.0	2.0	
33+55.54	4.3	-4.3	FR-R2AL-2
35+44	4.3	-4.3	FR-R2AL-2
38+44	-4.3	4.3	FR-R2AL-3
39+45.27	-4.3	4.3	FR-R2AL-3
40+25.51	-2.0	2.0	
RAMP 3			
35+50.74	2.5	-2.5	
36+30.97	4.3	-4.3	FR_R3AL-1
38+33.87	4.3	-4.3	FR_R3AL-1
39+14.10	2.0	-2.0	
43+25.27	2.0	-2.0	
45+45.04	-4.3	4.3	FR_R3AL-2
47+22.36	-4.3	4.3	FR_R3AL-2
49+42.13	2.0	-2.0	
RAMP 4			
40+00	-2.0	2.0	
40+50	-4.3	4.3	FR_R4AL-1
44+88.52	-4.3	4.3	FR_R4AL-1
47+88.52	3.4	-3.4	FR_R4AL-2
51+30.57	3.4	-3.4	FR_R4AL-2
51+80.57	-3.0	3.0	

HNTB

1 of 1

County: Williamson
Date: 20–MAR–2009

Preliminary Design Schematic for
IH 35 Northbound Frontage Road

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