

WACO DISTRICT DESIGN SCHEMATIC
TEXAS DEPARTMENT OF TRANSPORTATION
BELL COUNTY

RICHARD J. SKOPIK, P.E.
DISTRICT ENGINEER

PRELIMINARY DESIGN SCHEMATIC FOR:
IH35

LIMITS: FROM .10 MILE NORTH OF LOOP3635
TO .70 MILE NORTH OF LOOP363N

CSJ CONTROL: 0015-14-091
0015-14-115

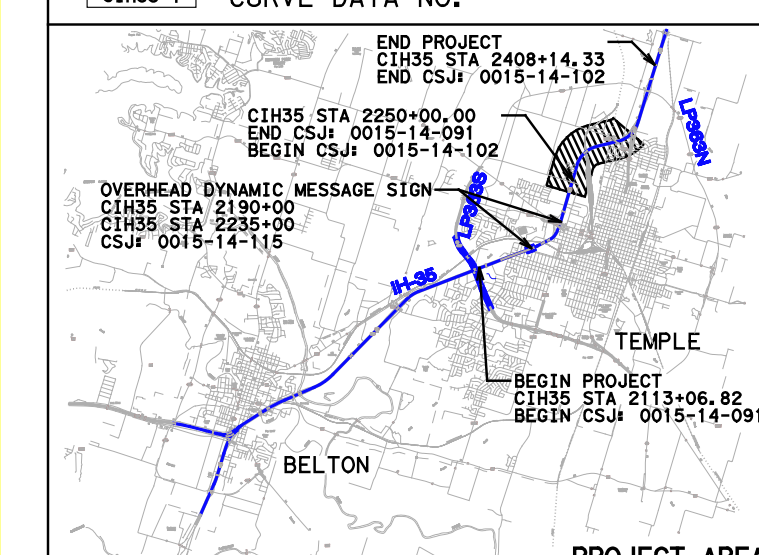
SCALE: 1"=100' HORIZONTAL
SCALE: 1"=10' VERTICAL

DESIGN SPEED: MAIN LANES = 70 MPH
RAMP = 40 MPH
FRONTAGE ROADS = 40 MPH
CROSS STREETS = 30 MPH
U-TURNS = 20 MPH

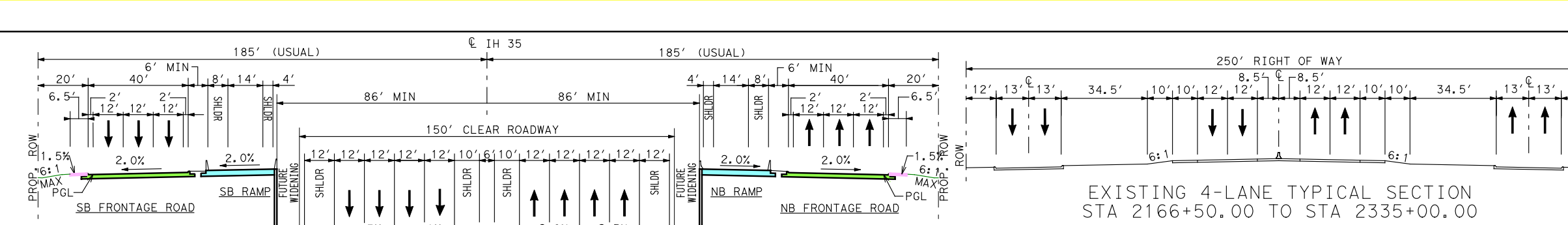
FUNCTIONAL CLASSIFICATION: FREEWAY
October 2011
ROLL 3 OF 9

LEGEND

- MAIN LANE
- FRONTAGE ROAD
- SIDEWALK
- RAMP
- CROSS STREET
- DRIVEWAY / SIDE STREET
- BRIDGE
- PAVEMENT BY OTHERS
- EXISTING ROW
- PROPOSED ROW
- EXISTING RAILROAD ROW
- EXISTING DRAINAGE EASEMENT
- PROPOSED DRAINAGE EASEMENT
- PROPERTY LINE
- CONTROL OF ACCESS
- PAVEMENT REMOVAL
- PROPERTY DISPLACEMENT
- RETAINING WALL
- PROPOSED BRIDGE BENT
- LANE ARROWS (TRAFFIC DIRECTION)
- CURVE DATA NO.



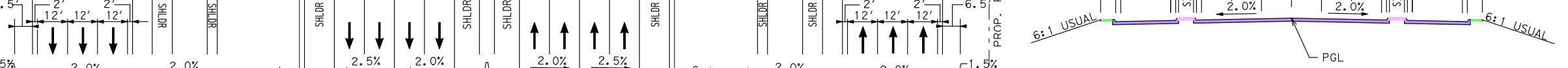
SCHEMATIC PREPARED BY:
HDR ENGINEERING, INC.
REGISTRATION NUMBER F-764
FOR INTERIM REVIEW ONLY, NOT FOR
PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the
Direct Supervision of:
BRIAN ANDREW STENMILL, ROSS
M. SHANK, P.E. NUMBER
NAME DATE P.L. NUMBER
10-04-2011 P.L. NUMBER



EXISTING 4-LANE TYPICAL SECTION
STA 2166+00.00 TO STA 2335+00.00



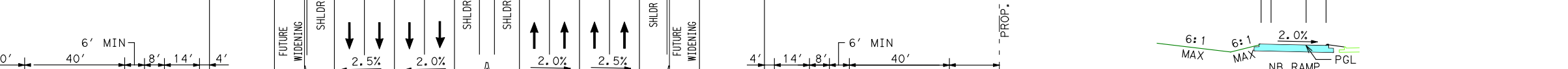
PROPOSED 8-LANE CUT WITH WALL TYPICAL SECTION *SEE NOTE 7
STA 2236+00.00 TO STA 2248+00.00
STA 2248+00.00 TO STA 2260+00.00
STA 2260+00.00 TO STA 2310+00.00



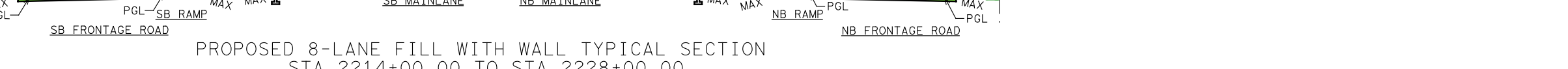
NUGENT AVE TYPICAL SECTION



PROPOSED 8-LANE TYPICAL SECTION *SEE NOTE 7
STA 222+00.00 TO STA 2236+00.00
STA 2236+00.00 TO STA 2260+00.00
STA 2260+00.00 TO STA 2299+00.00



PROPOSED 8-LANE FILL WITH WALL TYPICAL SECTION
STA 2214+00.00 TO STA 2228+00.00
STA 2228+00.00 TO STA 2290+00.00

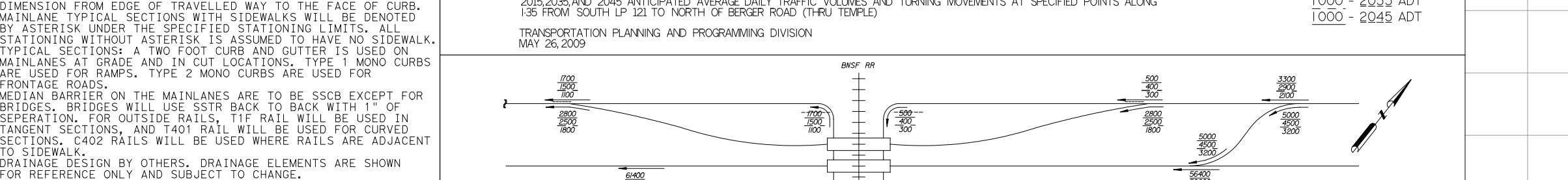


RAMP TYPICAL SECTION



PROPOSED 8-LANE TYPICAL SECTION *SEE NOTE 7
STA 2214+00.00 TO STA 2228+00.00
STA 2228+00.00 TO STA 2290+00.00

- NOTES
- ACCESS CONTROL LIMITS DETERMINED BY PROVIDING SAFETY TO THE TRAVELING PUBLIC AND MAINTAINING LEVEL OF SERVICE ON THE FRONTAGE ROAD AND MAINTAINING SAFETY LIMITS TO ADJACENT PROPERTY. IMPACT ANALYSIS (TIA) BY THE ADJACENT PROPERTY OWNER AND AVOIDING LANDSCAPE AS LONG AS THE SAFETY TO THE TRAVELING PUBLIC IS NOT COMPROMISED.
 - EXISTING DRAINAGE ELEMENTS SHALL BE MAINTAINED WITH THE DESIGNER'S APPROVAL. IF A SAFETY ISSUE AND/OR IS LOCATED WITHIN CONTROLLED ACCESS.
 - EXISTING PAVEMENT WITHIN LIMITS OF PROPOSED RECONSTRUCTION IS ASSUMED TO BE REMOVED.
 - FOR RAMP SUPERELEVATION, THE MAINLINE LANE SUPERELEVATION SHALL BE MATCHED FROM THE BACK OF CURE TO THE NOTED POINT OF BEGINNING OF SUPERELEVATION TRANSITION FOR THE RAMP.
 - MEASUREMENTS OF CURVE ON TYPICAL SECTIONS ARE ASSUMED TO BE TO THE FACE OF CURB.
 - TWO FOOT TYPICAL DIMENSION SHOWN FROM TRAVELLED LANE TO OTHER ARTICLES, AND ONE FOOT TYPICAL DIMENSION SHOWN FROM TRAVELLED LANE TO EDGE OF SHOULDER OR FRONTAGE ROAD IS THE DIMENSION FROM EDGE OF TRAVELLED LANE TO THE FACE OF CURB. MAINLINE TYPICAL SECTION FROM BELT ROAD TO THE BELT ROAD STATIONING THROUGH ASTERISK IS ASSUMED TO HAVE NO SIDEWALK. TYPICAL CURB AND GUTTER IS 18" HIGH.
 - MAINLINES ARE GRADE AND IN CUT LOCATIONS. TYPE T MONO CURBS ARE USED FOR RAMP AND TYPE C MONO CURBS ARE USED FOR MAINLINE.
 - VERTICAL BARRIER ON THE MAINLANES ARE TO BE SUSCEPT FOR BEING REMOVED BY OTHERS. DRAINAGE ELEMENTS ARE SHOWN FOR REFERENCE ONLY AND SUBJECT TO CHANGE.



2000+00.00 AND 2005+00.00 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOMENTS AT SPECIFIED POINTS ALONG THE FROM SOUTH TO NORTH OF BELT ROAD (THRU TUBES)
TRANSPORTATION PLANNING AND PROGRAMMING DIVISION
MAY 26, 2009



1000+00.00 AND 1005+00.00 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOMENTS AT SPECIFIED POINTS ALONG THE FROM SOUTH TO NORTH OF BELT ROAD (THRU TUBES)
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MAY 26, 2009

SUPERELEVATION DATA

CHAIN NAME	CURVE NAME	BEGIN CROSS SLOPE	BEGIN TRANSITION	END FULL SUPER	SUPER RATE	END FULL SUPER	END TRANSITION	END CROSS SLOPE
CIH35	CIH35-14	-2.50%	2261+92.00	2266+52.00	-5.40%	2268+77.00	2269+06.00	-2.50%

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CURVE DATA

STREET NAME	CURVE NAME	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	NORTHING	EASTING	PI STATION	PC STATION	PT STATION
CIH35	CIH35-12	0° 53' 28.48" RT	0° 53' 28.48"	83.64'	167.27'	10,760.00'	10,381,485.11	3,228,427.46	2231+05.73	2231+176.00	2232+176.36

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