STRUCTURE TYPICAL SECTIONS

PROJECT REFERENCE NO.	SHEET NO.
U-2579B	2A-22
R/W SHEET NO.	

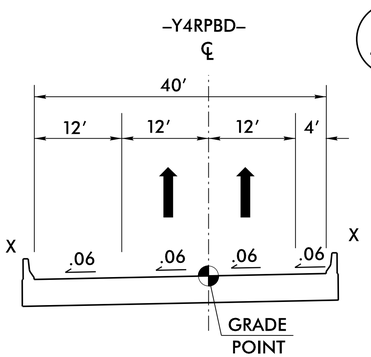
ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 18494 ENGINEER ANTHONY AARON HOUSER

Anthony Houser 5/11/2014

–Y4RPBD– STRUCTURE

–Y4RPBD– OVER –L– (WINSTON–SALEM NORTHERN BELTWAY) –Y4EB– & –Y4WB– (US 421 /I–40 BUSINESS)



TYPICAL SECTION ON STRUCTURE

DESIGN DATA –Y4RPBD–

2010 ADT 32,600
2030 ADT 43,800
DHV = 11
D = 60
DUAL = 6
TTST = 12
V = 50 MPH (SEE NOTE 6)
FUNC CLASS – INTERSTATE

MINIMUM VERTICAL CLEARANCE = 16′–6″

X BRIDGE RAIL TO BE DETERMINED BY STRUCTURE DESIGN UNIT

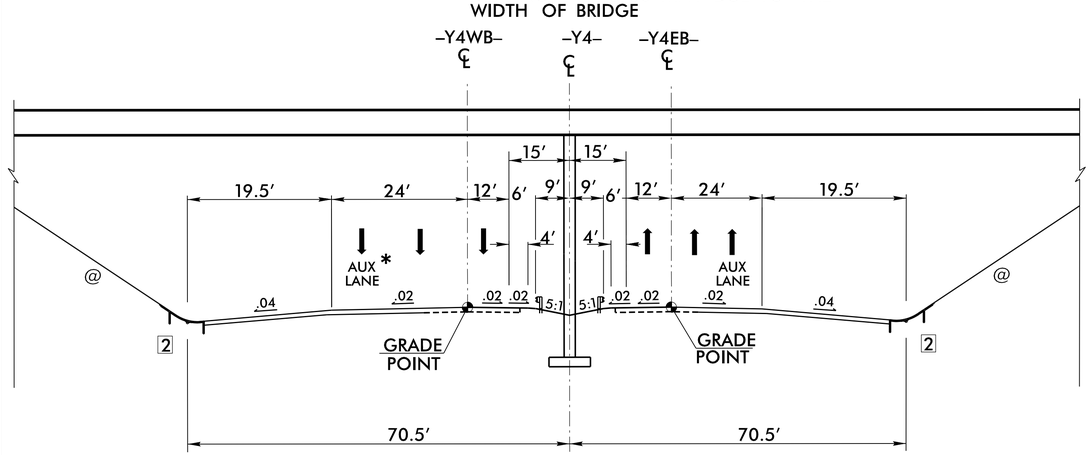
@ SLOPES DETERMINED BY GEOTECTNICAL ENGINEERING UNIT

[2] SEE STD. 610.03

* THIS AUX. LANE PROVIDES SEPARATION TO MITIGATE WEAVE AREA BETWEEN LOOPS.

NOTES:

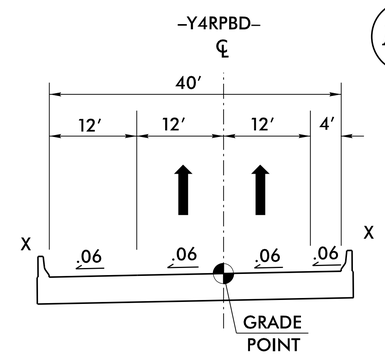
1. SEE SHEET 2B–3 FOR BRIDGE SKETCH
2. SEE SHEET 16 FOR PLAN VIEW
3. SEE SHEET 2A–1 FOR –L– TYPICAL SECTION
4. SEE SHEETS 2A–10 & 2A–11 FOR –Y4RPBD– TYPICAL SECTIONS
5. SEE SHEET 2A–12 FOR –Y4CD– TYPICAL SECTION
6. DESIGN SPEED OF HORIZONTAL & VERTICAL ALIGNMENT MEETS 60 MPH. STOPPING SIGHT DISTANCE MEETS 50 MPH DUE TO THE WIDTH OF BRIDGE



TYPICAL SECTION ON ROADWAY UNDER STRUCTURE

–Y4RPBD– STRUCTURE

–Y4RPBD– OVER –L– (WINSTON–SALEM NORTHERN BELTWAY) –L–, AND –Y4CD–



TYPICAL SECTION ON STRUCTURE

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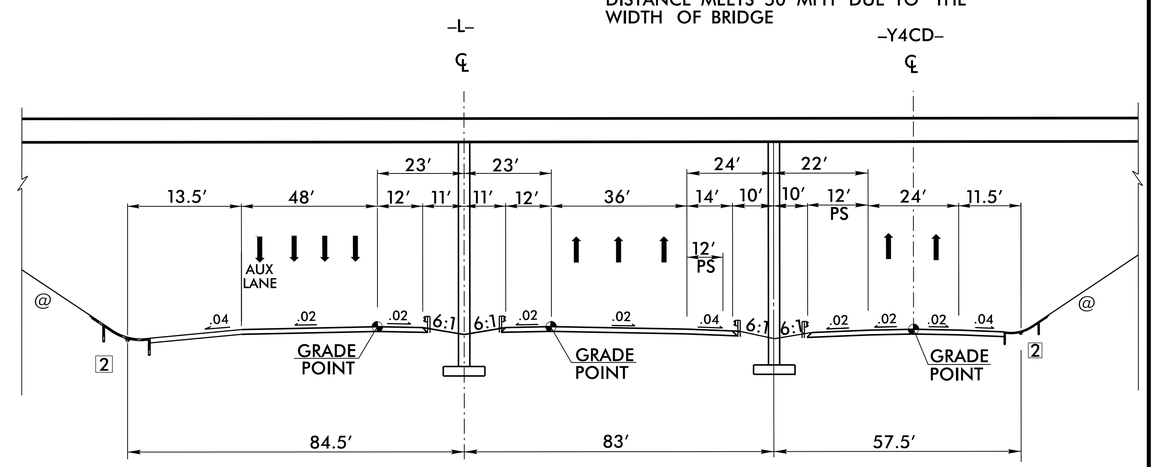

TYPICAL SECTION ON ROADWAY UNDER STRUCTURE

REVISIONS

5/28/2014
T:\U2579_rdy_str_rec.dgn
2A-44 kk