REVISIONS

7/15/2014
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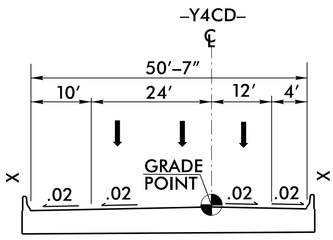
STRUCTURE TYPICAL SECTIONS

–Y4CD– STRUCTURE

–Y4CD– OVER –Y4– (US 421/I–40 BUSINESS)

8



TYPICAL SECTION ON STRUCTURE

DESIGN DATA –Y4CD–

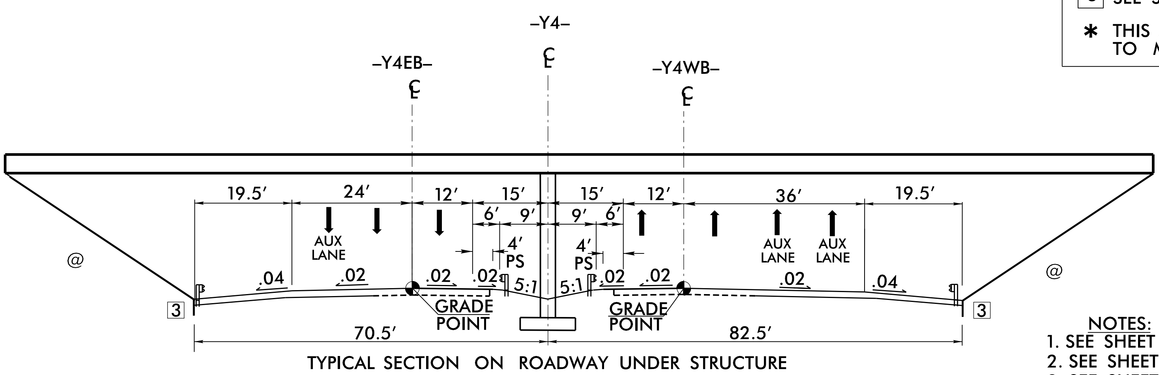
2010 ADT 6,600
2030 ADT 11,800
DHV = 10
D = 60
DUAL = 6
TTST = 12
V = 60 MPH
FUNC CLASS – INTERSTATE
MINIMUM VERTICAL CLEARANCE = 16′–6″

× BRIDGE RAIL TO BE DETERMINED BY STRUCTURE DESIGN UNIT

@ SLOPES DETERMINED BY GEOTECTNICAL ENGINEERING UNIT

3 SEE STD. 610.02

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



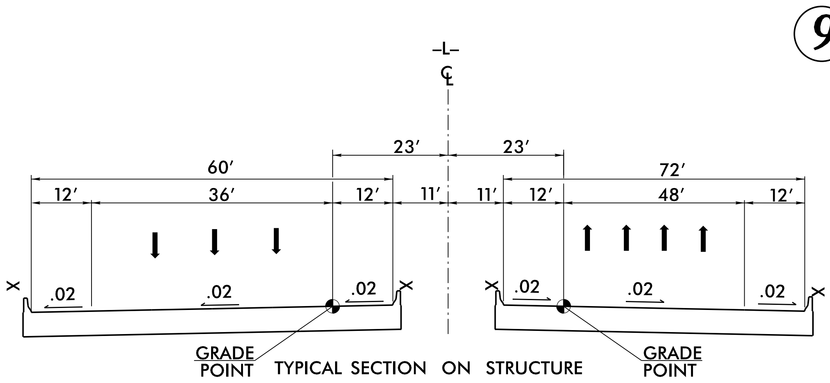
TYPICAL SECTION ON ROADWAY UNDER STRUCTURE

NOTES:
1. SEE SHEET 2B–3 FOR BRIDGE SKETCH
2. SEE SHEET 16 FOR PLAN VIEW
3. SEE SHEET 2A–12 FOR –Y4CD– TYPICAL SECTION
4. SEE SHEET 2A–B FOR –Y4– TYPICAL SECTION
5. –Y4EB– WAS SETUP WITH A 19.5′ OFFSET FOR A FUTURE 6–LANE FACILITY.

–L– DUAL STRUCTURES

–L– (WINSTON–SALEM NORTHERN BELTWAY) OVER –Y4– (US 421 /I–40 BUSINESS)

9



TYPICAL SECTION ON STRUCTURE

DESIGN DATA –L–

2010 ADT 53,560
2030 ADT 79,880
DHV = 10
D = 60
DUAL = 6
TTST = 12
V = 70 MPH
FUNC CLASS – INTERSTATE
MINIMUM VERTICAL CLEARANCE = 16′–6″

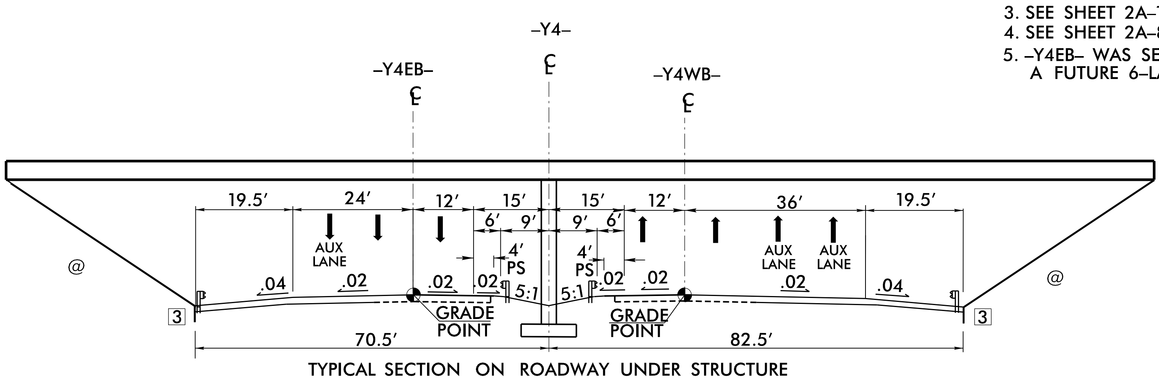
× BRIDGE RAIL TO BE DETERMINED BY STRUCTURE DESIGN UNIT

@ SLOPES DETERMINED BY GEOTECTNICAL ENGINEERING UNIT

3 SEE STD. 610.02

* 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 SHEET 2A–8 FOR –Y4– TYPICAL SECTION
5. –Y4EB– WAS SETUP WITH A 19.5′ OFFSET FOR A FUTURE 6–LANE FACILITY.



TYPICAL SECTION ON ROADWAY UNDER STRUCTURE

NORTH CAROLINA PROFESSIONAL SEAL 18494 ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
7/17/2014

ROADWAY DESIGN ENGINEER
BW
SHEET NO.

PROJECT REFERENCE NO.
U-2579B
SHEET NO.
2A-21