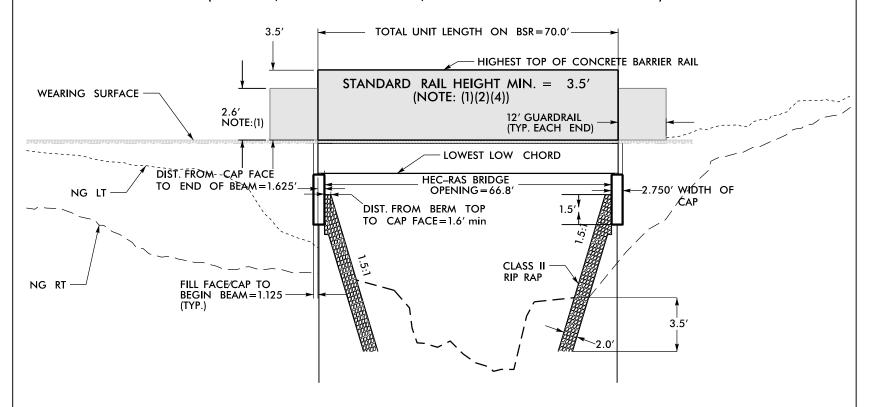
NCDOT BSR - HEC-RAS BRIDGE OPENING GUIDE

(2.5' CAP, 90 DEGREE SKEW, CORED SLAB and BOX BEAM)



"NCDOT BSR – HEC_RAS BRIDGE OPENING GUIDE"
The attached bridge profile view reflects
how to determine the location of the interior
face of the cap (1.625' inside end of beam).
It also reflects 1.6' as the latest minimum
top of berm width (includes class II RIP RAP).

NOTES:

- (1) ACCOUNT FOR CROWN DROP AS NEEDED
- (2) CONCRETE BARRIER RAIL HEIGHT MUST MAINTAIN 3.5' ABOVE WEARING SURFACE
- (3) DIMENSIONS ARE ROUNDED
- (4) DIMENSIONS MAY VARY DEPENDING ON STRUCTURE
- (5) EXAMPLE IS FOR A STANDARD SINGLE SPAN 70' UNIT LENGTH.
- (6) THIS IS A GUIDE. ENGINEER IS RESPONSIBLE FOR VERIFYING CORRECT DIMENSIONING

12/10/13, HEC-RAS Bridge Opening 2013 12 10.pdf

NCDOT BSR - HEC-RAS BRIDGE OPENING GUIDE (4.0' CAP, 90 DEGREE SKEW, CORED SLAB and BOX BEAM) TOTAL UNIT LENGTH ON BSR=70.0' — 3.5' - HIGHEST TOP OF CONCRETE BARRIER RAIL STANDARD RAIL HEIGHT MIN. = 3.5' WEARING SURFACE (NOTE: (1)(2)(4)) 2.6' NOTE:(1) 12' GUARDRAIL (TYP. EACH END) LOWEST LOW CHORD FILL MATERIAL (TYP.) HEC_RAS BRIDGE NG LT **OPENING** = 66.8' DIST. FROM CAP PACE 2.750/ WIDTH OF TO END OF BEAM ≥ 1.625' CAP DIST. FROM BERM'S TOP-TO CAP FACE=1.6' mim-CLASS II RIP RAP FILL FACE/CAP TO NG RT -BEGIN BEAM = 1.125' (TYP.) 3.5' **NOTES:** "NCDOT BSR - HEC-RAS BRIDGE OPENING GUIDE" (1) ACCOUNT FOR CROWN DROP AS NEEDED The attached bridge profile view reflects (2) CONCRETE BARRIER RAIL HEIGHT MUST MAINTAIN how to determine the location of the interior 3.5' ABOVE WEARING SURFACE face of the cap (1.625' inside end of beam). (3) DIMENSIONS ARE ROUNDED It also reflects 1.6' as the latest minimum (4) DIMENSIONS MAY VARY DEPENDING ON top of berm width (includes class II RIP RAP). STRUCTURE (5) EXAMPLE IS FOR A STANDARD SINGLE SPAN 70' UNIT LENGTH. (6) THIS IS A GUIDE. ENGINEER IS RESPONSIBLE FOR VERIFYING CORRECT DIMENSIONING 12/10/13, HEC_RAS_Bridge_Opening_2013_12_10.pdf