

### BILL OF MATERIAL

FOR CONCRETE BARRIER RAIL ONLY

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* S1	368	#5	1	4'-9"	1823
* S2	368	#5	2	7'-0"	2687
* B1	44	#5	STR	13'-8"	627
* B2	132	#5	STR	23'-4"	3212
* B3	44	#5	STR	9'-2"	421

\* EPOXY COATED REINFORCING STEEL 8,770 LBS.  
 CLASS AA CONCRETE 49.2 CU. YDS.  
 Δ CONCRETE BARRIER RAIL 361.28 LIN. FT.  
 Δ DOES NOT INCLUDE BARRIER RAIL ON APPROACH SLAB

### NOTES

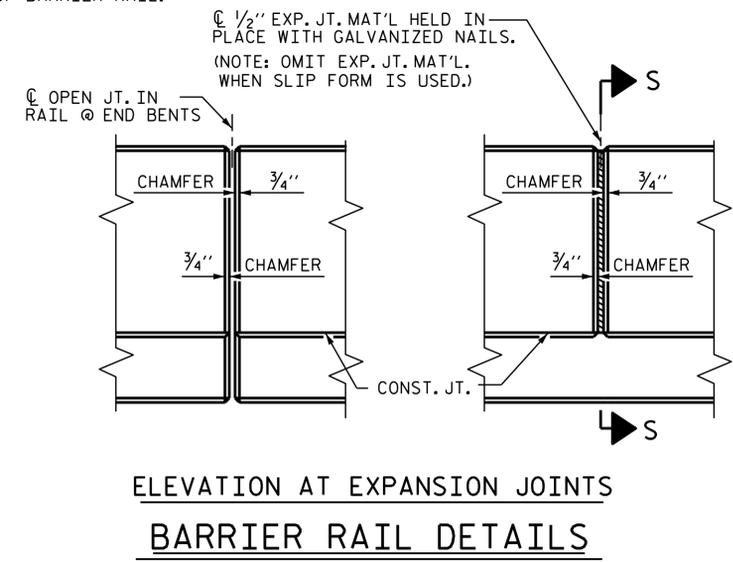
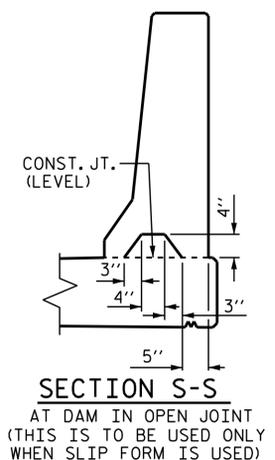
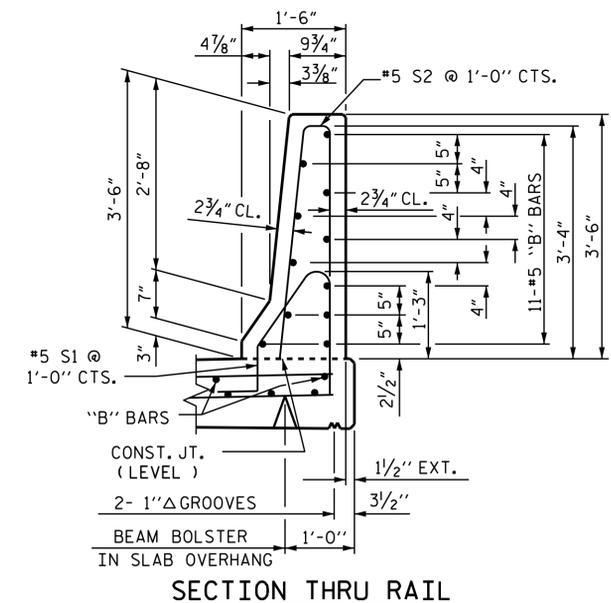
THE BARRIER RAIL IN A CONTINUOUS UNIT SHALL NOT BE CAST UNTIL ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS REQUIRED AT MIDPOINT OF BARRIER RAIL SEGMENTS LESS THAN 20 FEET IN LENGTH AND NO CONTRACTION JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 10 FEET IN LENGTH.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

QUANTITIES FOR BARRIER RAIL ON APPROACH SLAB ARE INCLUDED ON BRIDGE APPROACH SLAB SHEETS.

### PLAN OF CONCRETE BARRIER RAIL

BARRIER RAIL DIMENSIONS ARE TAKEN ALONG OUTSIDE FACE OF BARRIER RAIL.



PROJECT NO. R-2915A  
 WATAUGA/ASHE COUNTY  
 STATION: 11+18.63 -L-

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

### STANDARD CONCRETE BARRIER RAIL

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-15
1			3			TOTAL SHEETS
2			4			31

ASSEMBLED BY: V.X. NGUYEN DATE: 8-5-14  
 CHECKED BY: D. HODGE DATE: 1-15

REV. 10/11/11 MAA/GM  
 REV. 7/12 MAA/GM  
 REV. 6/13 MAA/GM

DRAWN BY: ARB 5/87  
 CHECKED BY: SJD 9/87

DESIGN ENGINEER OF RECORD: A.M. LEE DATE: 4-15

