

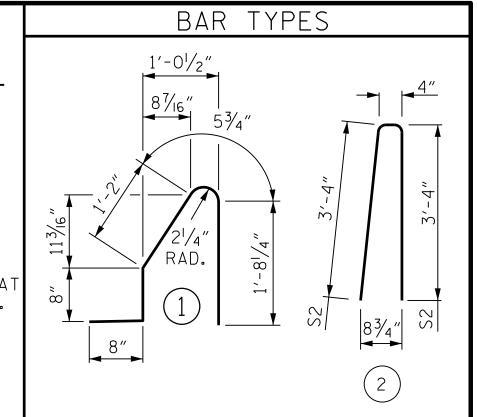
ELEVATION AT EXPANSION JOINTS BARRIER RAIL DETAILS

NOTES

THE BARRIER RAIL SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT UNIT HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

GROOVED CONTRACTION JOINTS, $\frac{1}{2}$ " IN DEPTH, SHALL BE TOOLED IN 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 BAR DIMENSIONS ARE OUT TO OUT BILL OF MATERIAL						
	FOR CONCRETE BARRIER RAIL ONLY						
	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
	* B1	132	#5	STR	22'-8"	3121	
	* B2	88	#5	STR	13'-4"	1224	
	* S1	368	#5	1	4'-8"	1791	

* EPOXY COATED	
REINFORCING STEEL	8822 LBS.
CLASS AA CONCRETE	50.0 CU. YDS.
CONCRETE BARRIER RAIL	368.48 LIN.FT.

* S2 | 368 | #5 | 2 | 7'-0"

PROJECT NO. R-5752 ROBESON _COUNTY STATION: 30+39.23 -Y-

SHEET 2 OF 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL 33698

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

STANDARD

CONCRETE BARRIER RAIL

REVISIONS SHEET NO. S-14 NO. BY: DATE: DATE: BY: TOTAL SHEETS 24

CDM

CDM SMITH 5400 Glenwood Avenue, Suite 400 Raleigh, NC 27612–3228 NC COA No. F–1255

DRAWN BY: A.L. STROUD DATE: 03/17 CHECKED BY: J.B. TAYLOR DATE: 03/17 DESIGN ENGINEER: J.B. TAYLOR DATE: 03/17

DWG. No.

STD. NO. CBR1