

PLAN OF CONCRETE BARRIER RAIL

#5 S1 @ "S" SNAM SNAM "" SNAM SNAM SNAM "" SNAM "" SNAM S

ASSEMBLED BY :

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

CHECKED BY :

S. WANCE

G. AYES

REV. 7/12 REV. 6/13 REV. 12/17

DATE: 09/2020 DATE: 01/2022

> MAA/GM MAA/GM MAA/THC

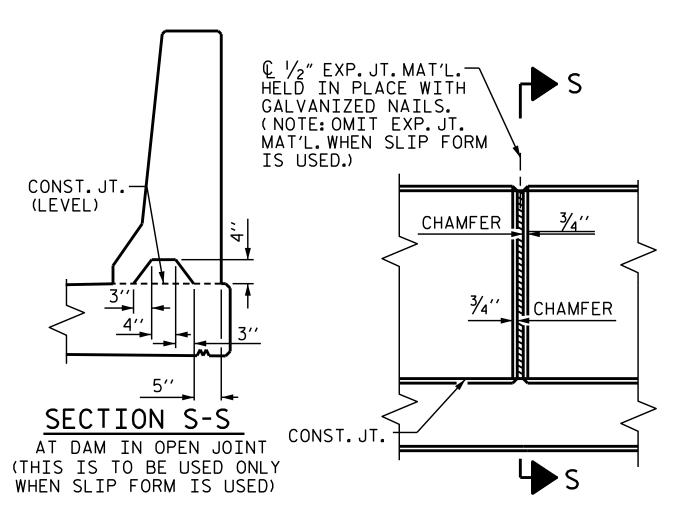
NOTES

THE BARRIER RAIL IN A CONTINUOUS UNIT 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.

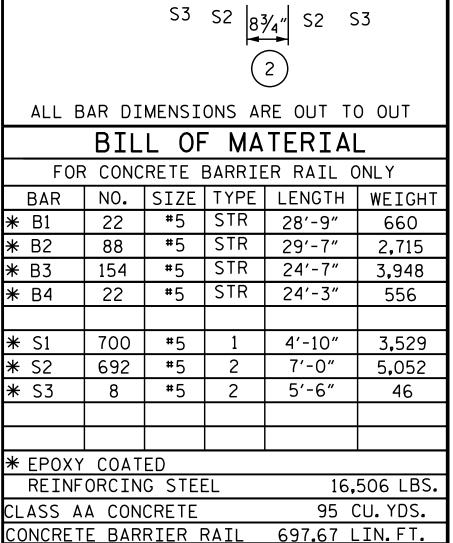
THE #5 S1 AND #5 S2 BARS MAY BE SHIFTED SLIGHTLY IN ORDER TO MAINTAIN A 2" MINIMUM CLEARANCE TO THE $\frac{1}{2}$ " EXPANSION JOINT MATERIAL IN THE BARRIER RAIL.

GROOVED CONTRACTION JOINTS, 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 FEFT IN LENGTH.



ELEVATION AT EXPANSION JOINTS

BARRIER RAIL DETAILS



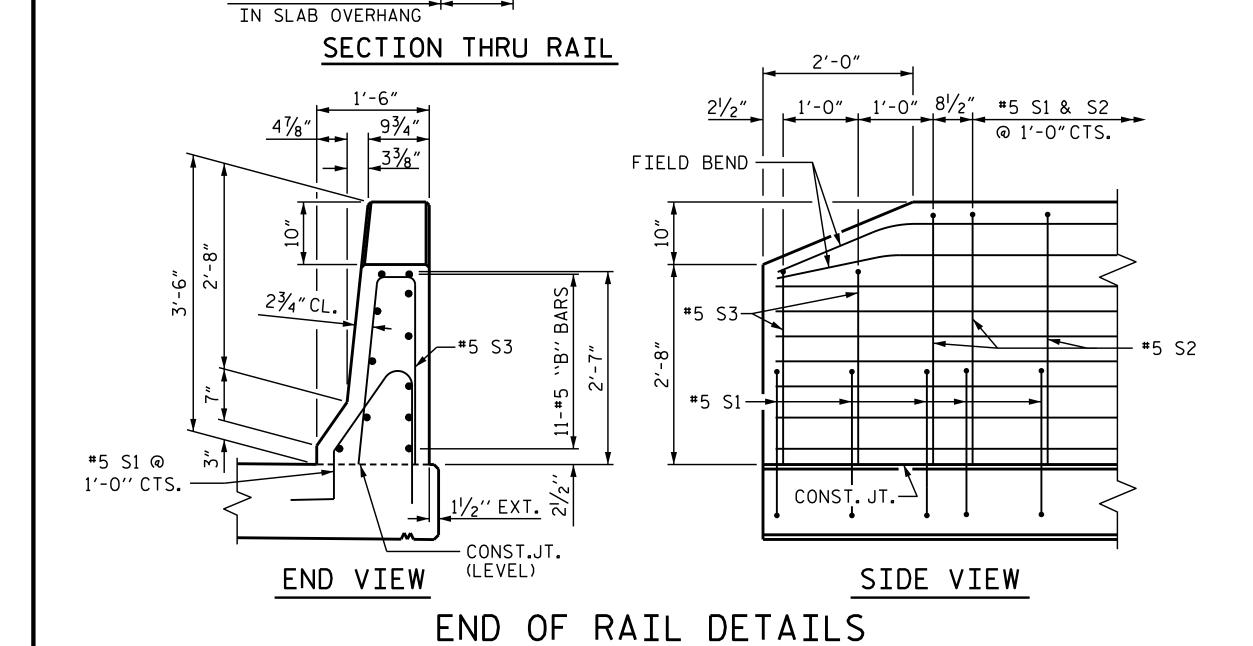
BAR TYPES

→| |4"

1'-01/2"

53/4"

87/16"



DEPARTME

CAROLINATION

SEAL

030024

BAI

Oblive Control

Obl

SHEET 1 OF 2

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD

CONCRETE
BARRIER RAIL

REVISIONS SHEET NO.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED 2 4 37

PROJECT NO. ____

BLADEN

STATION: 21+85.10 -L-

4/20/2022 R:\Structures\Plans\0BD\401_B5694_SMU_BR_S20_080051.dgn aygodfrey STD. NO. CBR1 (SHT 1)

B-5694

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