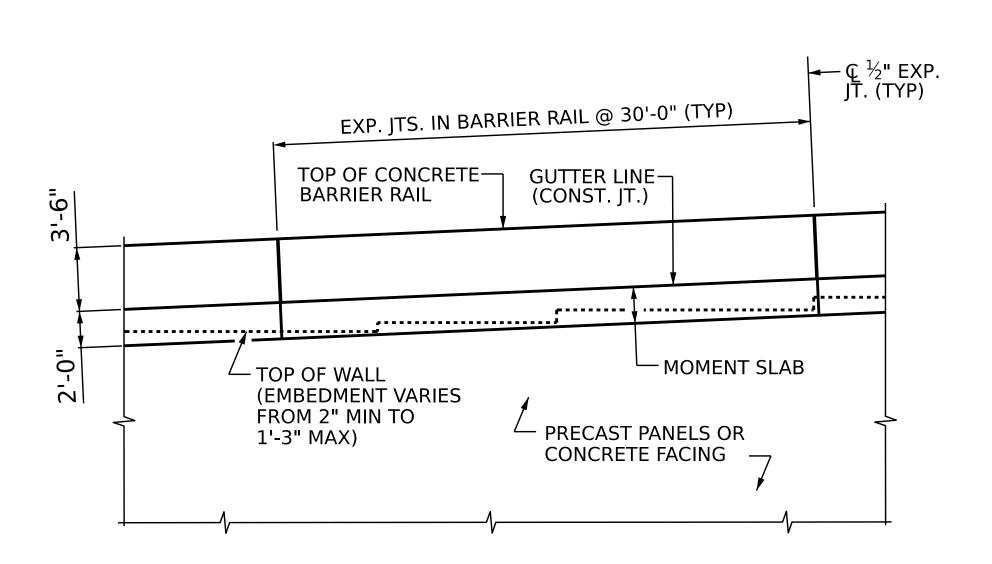


CONCRETE BARRIER RAIL WITH MOMENT SLAB



CONCRETE BARRIER RAIL WITH MOMENT SLAB - PARTIAL ELEVATION

© ½" EXP. JT. — IN RAIL AND #5 S2 @ — **MOMENT SLAB** 1'-0'' CTS. 2¾" CL. CHAMFER III 3/4" #5 S1 @ -2¾" CL. 1'-0" CTS. **III**CHAMFER $1\frac{1}{2}$ " EXT — #5 S3 @ 1'-0" CTS. (LEVEL) ALT. AT 6" W/S1 BARS -CONST. JT. —EXP. JT. MAT'L

SECTION THRU RAIL

NOTES:

15' IN LENGTH.

LENGTH.

REQUIREMENTS.

THE STANDARD SPECIFICATIONS.

SLAB AT A MAXIMUM SPACING OF 30'.

FOR CONCRETE BARRIER RAIL WITH MOMENT SLAB, SEE SECTION 460 OF

CONCRETE BARRIER RAIL WITH MOMENT SLAB SHALL BE A MINIMUM OF

EXPANSION JOINTS SHALL BE PLACED IN THE BARRIER RAIL AND MOMENT

GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN

CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN

REQUIRED AT MID-POINT OF BARRIER RAIL SEGMENTS LESS THAN 20' IN

EXPANSION OR CONTRACTION JOINTS IN THE BARRIER RAIL AND MOMENT

THE BARRIER RAIL SHALL NOT BE CAST UNTIL THE MOMENT SLAB HAS

TO SATISFYING THE MINIMUM CONCRETE CURING AND STRENGTH

IF EXISTING OR FUTURE OBSTRUCTIONS SUCH AS FOUNDATIONS,

SLAB DETAILS SHALL BE REVISED AND SUBMITTED FOR APPROVAL

ATTAINED AN AGE OF THREE CURING DAYS OR A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI. IN ADDITION, NO FILL MATERIAL, ASPHALT, OR CONSTRUCTION EQUIPMENT IS ALLOWED ON THE MOMENT SLAB PRIOR

ALL REINFORCING STEEL IN THE BARRIER RAIL SHALL BE EPOXY COATED.

BARRIERS, PIPES, INLETS OR UTILITIES WILL INTERFERE WITHCONCRETE BARRIER RAIL WITH MOMENT SLAB OR CONCRETE FACING FOR RETAINING WALL WILL BE THICKER THAN 8", CONCRETE BARRIER RAIL WITH MOMENT

MOMENT SLAB AND RAIL SHALL NOT BE CONSTRUCTED UNTIL PHASE IV IN

ACCORDANCE WITH THE TMP PLANS. NO ADDITIONAL PAYMENT SHALL BE

MADE FOR REMOVAL OF TEMPORARY FILL TO THE TOP OF THE MSE FILL.

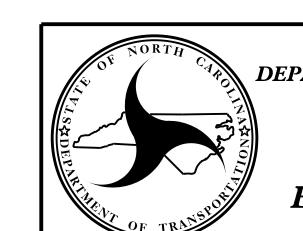
ALL EXPOSED SURFACES OF THE BARRIER RAIL AND IN ACCORDANCE

BARRIER RAIL EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS

WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. A

SLAB SHALL BE ALIGNED WITH JOINTS IN WALL FACING BELOW.

BARRIER RAIL DETAILS



NORTH CAROLINA DEPARTMENT OF TRANSPORTATION **DIVISION OF HIGHWAYS**

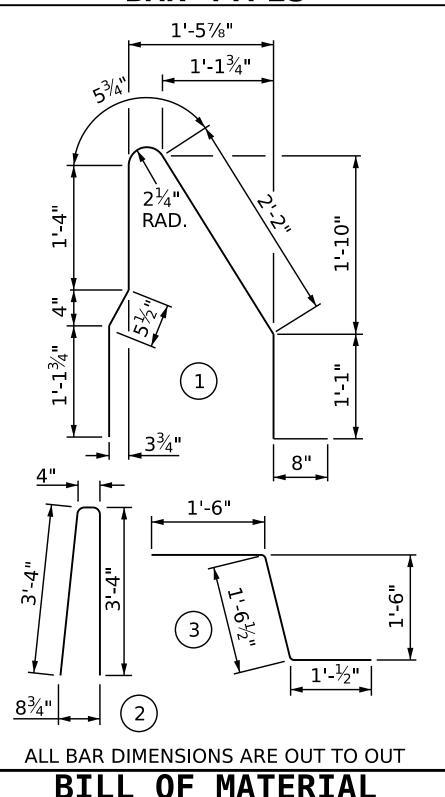
ELEV. @ EXP. JOINTS

ENGINEERING UNIT

STRUCTURE ENGINEER **ENGINEER** SEAL 041343 10/16/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

BAR TYPES



DILL OF HATEKIAL					
FOR ONE 30'-0" SECTION OF CONCRETE BARRIER RAIL WITH MOMENT SLAB					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	14	#4	STR	29'-7"	277
*B2	11	#5	STR	29'-7"	339
G1	31	#5	STR	4'-4"	140
G2	31	#4	STR	4'-4"	90
*S1	31	#5	1	7'-4"	237
*S2	31	#5	2	7'-0"	226
S3	30	#5	3	4'-1"	128
REINFORCING STEEL					635 LB
* EPOXY COATED					
REINFORCING STEEL					802 LB
CLASS AA CONCRETE					4.1.6\/
BARRIER RAIL					4.1 CY
CLASS A CONCRETE					
MOMENT SLAB					9.1 CY

30 LIN FT

PROJECT NO.: B-3186/B-5898

CONCRETE BARRIER RAIL WITH MOMENT SLAB

HAYWOOD COUNTY STATION: 68+82.30 -L_LT-

SHEET 3 OF 3 WALL ID RW-4-

CONCRETE BARRIER RAIL WITH MOMENT SLAB FOR PRECAST PANELS AND CONCRETE FACING

REVISIONS DATE NO. DATE NO. BY

GEOTECHNICAL

DATE: 07/2023 PREPARED BY: L. LEE REVIEWED BY: G. COLS DATE: 07/2023