

### REINFORCING STEEL FOR CONCRETE WEARING SURFACE

BEAM BOLSTER HEIGHTS ARE BASED UPON PREDICTED FINAL CAMBER AND THEORETICAL GRADE POINT ELEVATIONS. THESE HEIGHTS VARY BETWEEN  $\phi$  BEARING AND MID-SPAN FOR ALL SPANS.  
 \*\* THE DRAIN OPENING AT THE GUTTERLINE SHALL BE 4" X 8". THE HEIGHT OF THE BLOCKOUT IN THE CURB SHALL EXTEND FROM THE TOP OF THE CORED SLAB UNIT TO THE TOP OF THE DRAIN OPENING.

BEAM BOLSTER HEIGHT		
SPAN	AT $\phi$ BEARINGS	AT MID-SPAN
A & B	2 1/2"	3/4"
C, D & E	2 1/2"	1"

SPLICE LENGTH CHART	
BAR SIZE	EPOXY COATED
#3	1'-5"

CONCRETE WEARING SURFACE THICKNESS		
SPAN	AT $\phi$ BEARINGS	AT MID-SPAN
A & B	5 1/2"	3 1/16"
C, D & E	5 1/2"	3 5/16"

CURB HEIGHT TABLE		
SPAN	AT $\phi$ BEARINGS	AT MID-SPAN
A & B	1'-2"	1'-0 3/16"
C, D & E	1'-2"	1'-0 7/16"

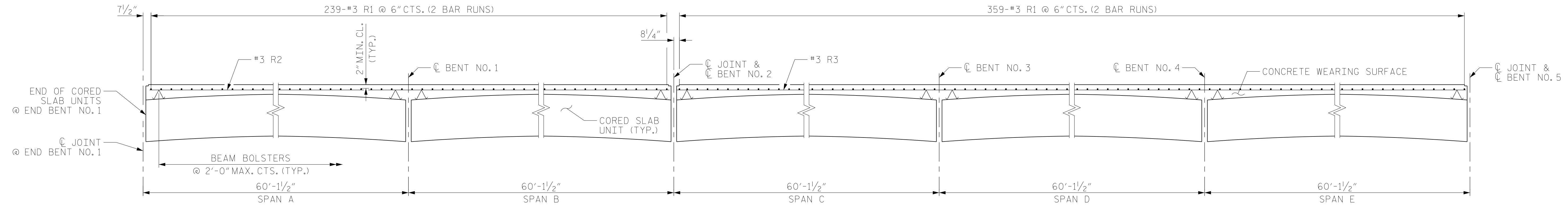
**NOTES:**  
 PLACEMENT OF THE CONCRETE WEARING SURFACE SHALL OCCUR AFTER CASTING THE OREGON RAIL CURB. THE VERTICAL CONCRETE BARRIER RAIL SHALL BE CAST AFTER PLACEMENT OF THE CONCRETE WEARING SURFACE AND THE CONCRETE WEARING SURFACE HAS REACHED A MINIMUM OF COMPRESSIVE STRENGTH OF 3,000 PSI.

THE COST OF REINFORCING STEEL CAST WITH THE CONCRETE WEARING SURFACE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONCRETE WEARING SURFACE.

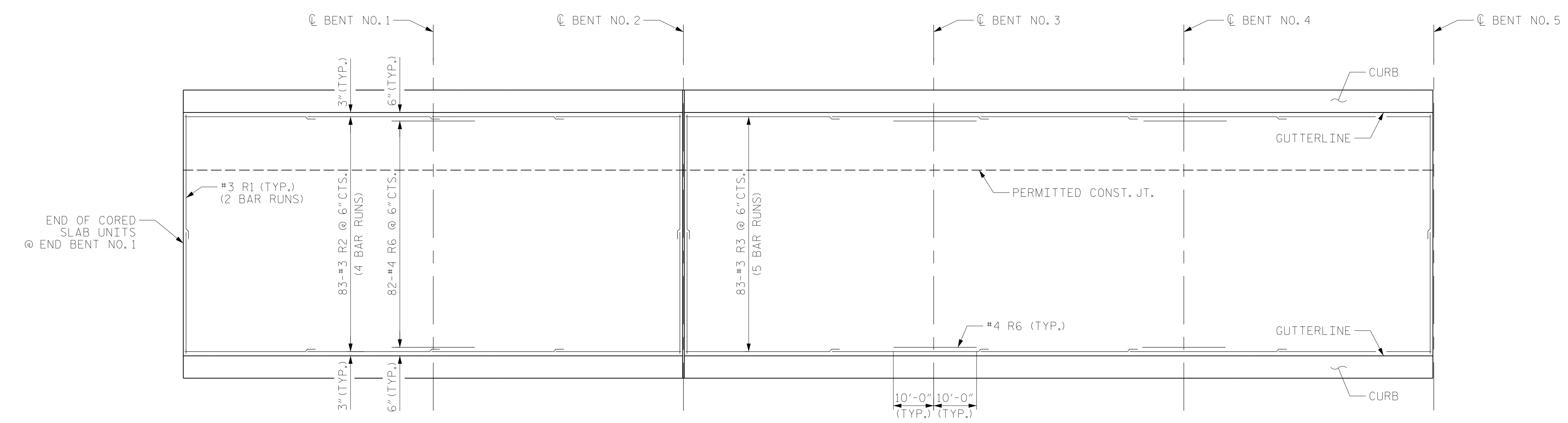
FOR CONCRETE WEARING SURFACE, SEE SPECIAL PROVISIONS.

ALL REINFORCING STEEL FOR THE CONCRETE WEARING SURFACE SHALL BE EPOXY COATED.

FOR CONCRETE WEARING SURFACE REINFORCING BILL OF MATERIAL, SEE SHEET 13 OF 16.



### ELEVATION



### PLAN

#4 R6 REINFORCEMENT IS TYPICAL OVER CONTINUOUS BENTS AS SHOWN  
 VERTICAL CONCRETE BARRIER RAIL NOT SHOWN FOR CLARITY.

PROJECT NO. BR-0160  
BRUNSWICK COUNTY  
 STATION: 21+77.50 -L-

SHEET 12 OF 16



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STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

## CONCRETE WEARING SURFACE DETAILS (SPANS A - E)

DRAWN BY : NSC DATE : 11/2021  
 CHECKED BY : MKO DATE : 01/2023  
 DESIGN ENGINEER OF RECORD: RLB DATE : 03/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-20	
1			3			TOTAL SHEETS 42	
2			4				