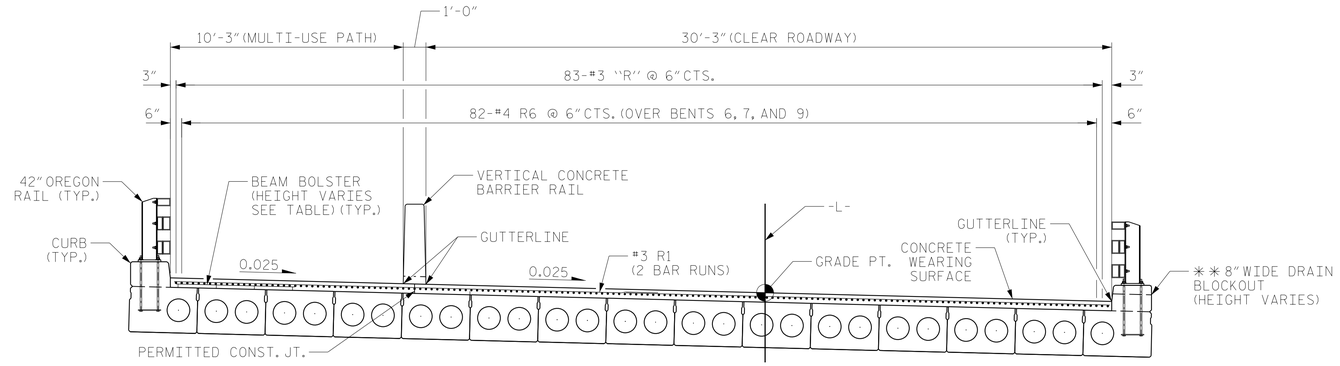


REINFORCING STEEL FOR CONCRETE WEARING SURFACE

BEAM BOLSTER HEIGHTS ARE BASED UPON PREDICTED FINAL CAMBER AND THEORETICAL GRADE POINT ELEVATIONS. THESE HEIGHTS VARY BETWEEN ℄ 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 ℄ BEARINGS	AT MID-SPAN
F & G	2½"	1½"
H, I & J	2½"	1¼"

CONCRETE WEARING SURFACE THICKNESS

SPAN	AT ℄ BEARINGS	AT MID-SPAN
F & G	5½"	4 5/16"
H, I & J	5½"	4⅛"

CURB HEIGHT TABLE

SPAN	AT ℄ BEARINGS	AT MID-SPAN
F & G	1'-2"	1'-0 13/16"
H, I & J	1'-2"	1'-0⅝"

BILL OF MATERIAL

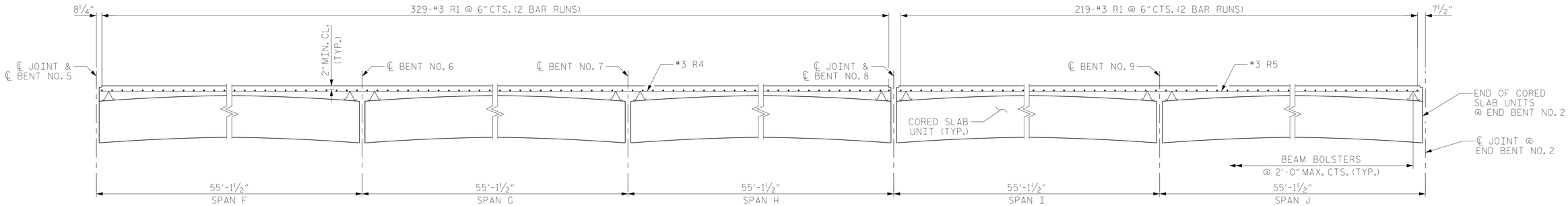
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* R1	2292	#3	STR.	21'-4"	18385
* R2	332	#3	STR.	31'-1"	3881
* R3	415	#3	STR.	37'-2"	5800
* R4	415	#3	STR.	34'-2"	5332
* R5	249	#3	STR.	37'-7"	3519
* R6	492	#4	STR.	20'-0"	6574
* EPOXY COATED REINFORCING STEEL					43,491 LBS.
CONCRETE WEARING SURFACE					23,909 SQ. FT.

NOTE:

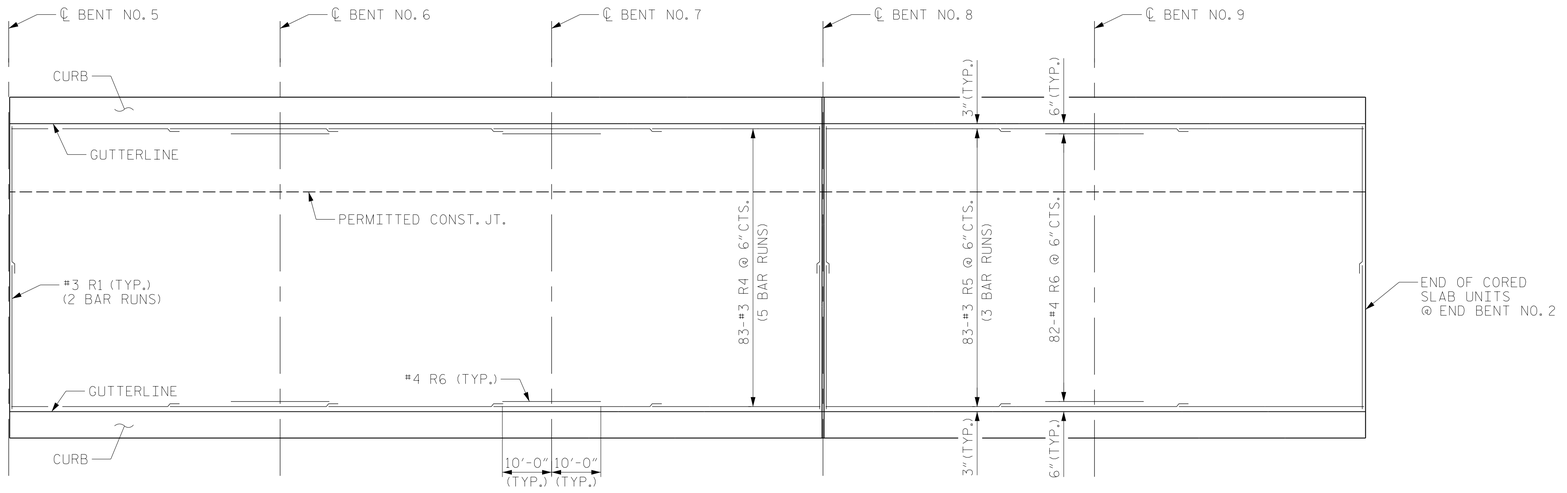
FOR NOTES, SEE SHEET 12 OF 16.

SPLICE LENGTH CHART

BAR SIZE	EPOXY COATED
#3	1'-5"



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 13 OF 16

NORTH CAROLINA PROFESSIONAL SEAL 18442 ENGINEER RICHARD LEON BOLLINGER JR. SCOTT PROFESSIONAL
3/28/2023

RS&H

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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

CONCRETE WEARING SURFACE DETAILS (SPANS F - J)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-21
1			3			TOTAL SHEETS
2			4			42

DRAWN BY : MRA DATE : 01/2023
CHECKED BY : MKO DATE : 01/2023
DESIGN ENGINEER OF RECORD: RLB DATE : 03/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

3/28/2023
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