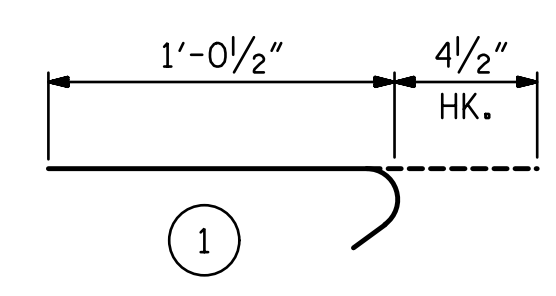


▲ THE QUANTITY OF #4 J1 BARS ON THE BILL OF MATERIAL IS BASED ON 1'-0" CENTERS. J1 BARS SHALL BE PLACED AT EACH VERTICAL STUD ANCHOR BOLT. IN THE EVENT THAT THE NUMBER OF VERTICAL STUD ANCHORS EXCEEDS THE NUMBER OF J1 BARS SPECIFIED, ADDITIONAL J1 BARS WILL NOT BE REQUIRED.

SPlice LENGTHS		
BAR SIZE	EPOXY COATED	UNCOATED
#4	2'-0"	1'-9"
#5	2'-6"	2'-2"
#6	3'-10"	2'-7"

DIMENSIONS ARE TYPICAL FOR BOTH APPROACH SLABS

BILL OF MATERIAL					
APPROACH SLAB AT EB 1					
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	72	#4	STR	29'-4"	1,411
A2	78	#4	STR	29'-2"	1,520
*B1	95	#5	STR	23'-1"	2,287
B2	95	#6	STR	24'-5"	3,484
*B3	8	#5	STR	7'-4"	61
B4	8	#6	STR	7'-4"	88
*J1	84	#4	①	1'-5"	79
REINFORCING STEEL **					LBS. 5,092
*EPOXY COATED REINFORCING STEEL **					LBS. 3,838
CLASS AA CONCRETE **					C. Y. 52.1
APPROACH SLAB AT EB 2					
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	75	#4	STR	21'-6"	1,077
A2	78	#4	STR	21'-4"	1,112
*B1	95	#5	STR	23'-8"	2,345
B2	95	#6	STR	24'-7"	3,508
*B3	8	#5	STR	7'-4"	61
B4	8	#6	STR	7'-4"	88
*J1	62	#4	①	1'-5"	59
REINFORCING STEEL **					LBS. 4,708
*EPOXY COATED REINFORCING STEEL **					LBS. 3,542
CLASS AA CONCRETE **					C. Y. 52.0
BAR TYPE					

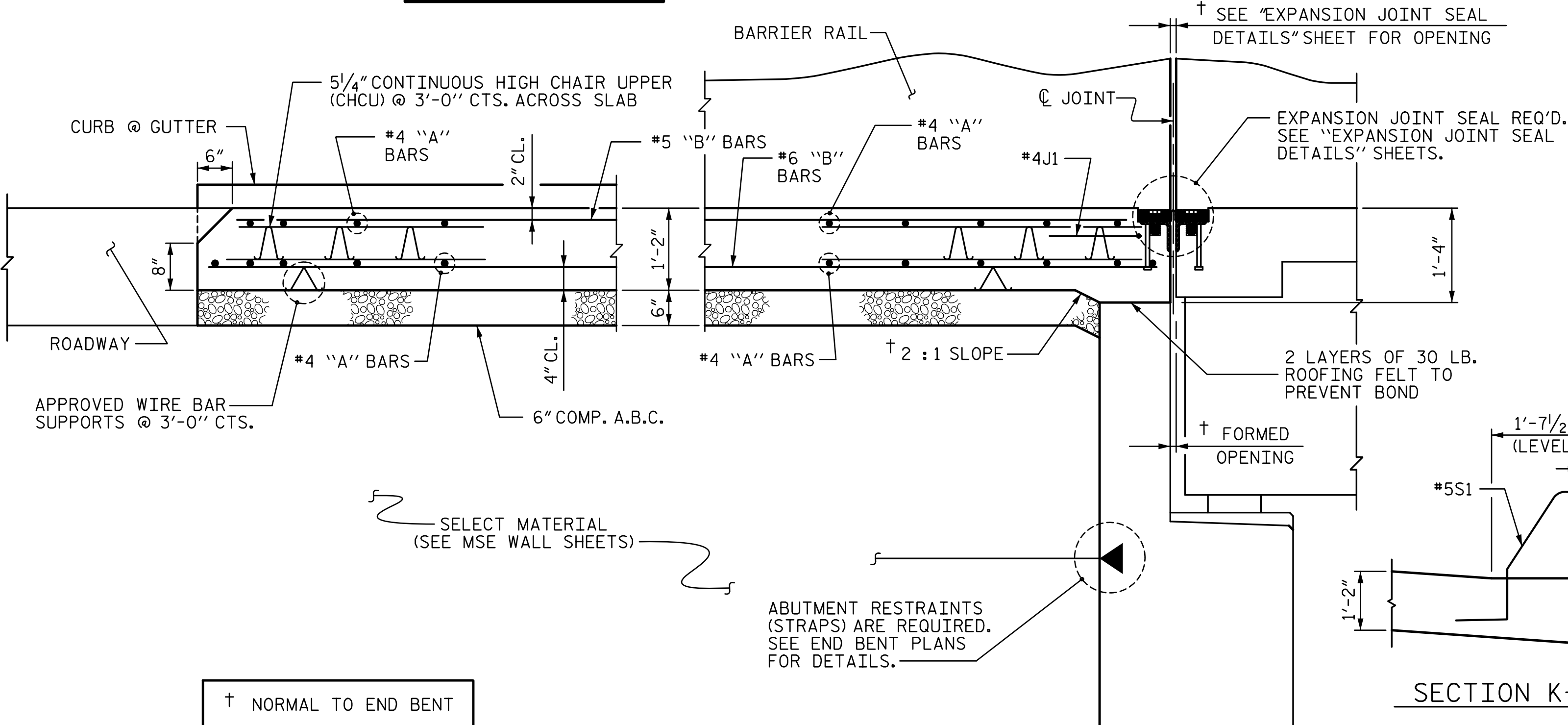


ALL BAR DIMENSIONS ARE OUT TO OUT  
 \*\* QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED. SEE SHEET 2 OF 2.

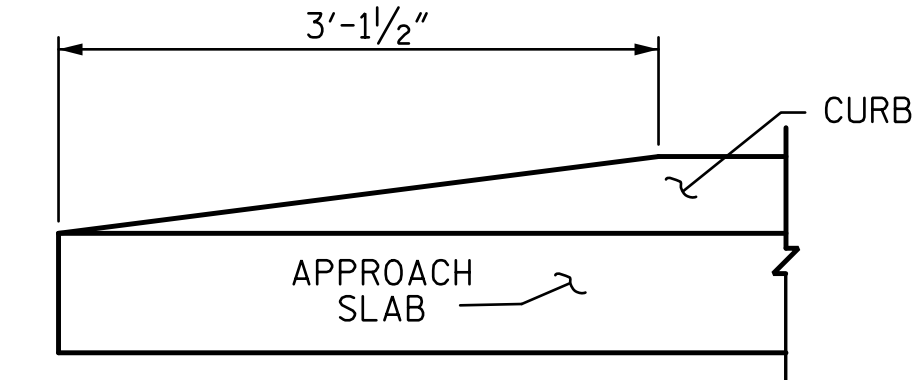
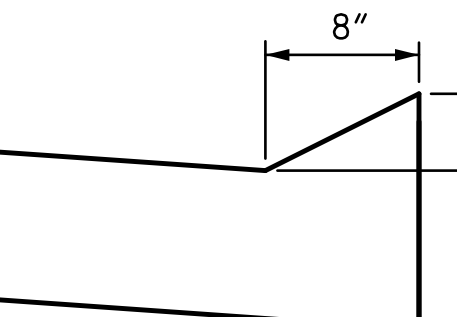
PLAN

NOTES:

- APPROACH SLAB SHALL NOT BE CONSTRUCTED PRIOR TO COMPLETION OF THE BRIDGE DECK.
- AREA BETWEEN THE WINGWALL AND APPROACH SLAB SHALL BE GRADED TO DRAIN THE WATER AWAY FROM THE FILL FACE OF THE BRIDGE AND SHALL BE PAVED. SEE ROADWAY PLANS.
- THE 6" COMP. A.B.C. SHALL BE FLUSH WITH THE ROADWAY END OF THE APPROACH SLAB AND SHALL EXTEND 1'-0" OUTSIDE EACH EDGE OF THE APPROACH SLAB.
- THE CONTRACTOR MAY USE 4" TYPE B-25.0B ASPHALT CONCRETE BASE COURSE IN LIEU OF THE 6" COMP. A.B.C. IF THIS OPTION IS USED, THE BASE COURSE SHALL BE FLUSH WITH THE ROADWAY END OF THE APPROACH SLAB, AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB.
- THE CONTRACTOR MAY USE 5" CLASS "A" CONCRETE BASE IN LIEU OF 6" COMP. A.B.C. IF THIS OPTION IS USED, THE CONCRETE BASE SHALL BE FLUSH WITH THE ROADWAY END OF THE APPROACH SLAB, AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB. THE CONCRETE SHALL BE FINISHED TO A SMOOTH SURFACE AND A LAYER OF 30 LB ROOFING FELT SHALL BE PLACED BETWEEN THE CONCRETE BASE AND THE APPROACH SLAB TO PREVENT BOND. THE APPROACH SLAB SHALL NOT BE CAST UNTIL THE CONCRETE BASE HAS REACHED AN AGE OF THREE CURING DAYS.
- FOR EXPANSION JOINT SEALS, SEE SPECIAL PROVISIONS.
- THE COST OF THE BARRIER RAIL ON THE APPROACH SLAB SHALL BE INCLUDED IN THE LINEAR FOOT CONTRACT PRICE FOR "CONCRETE BARRIER RAIL".
- THE BARRIER RAIL ON EACH APPROACH SLAB SHALL NOT BE CAST UNTIL ALL APPROACH SLAB CONCRETE HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
- ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.
- FOR CONCRETE BARRIER RAIL ON APPROACH SLABS, BILL OF MATERIAL AND ADDITIONAL DETAILS, SEE SHEET 2 OF 2.



SECTION K-K



END OF CURB WITHOUT SHOULDER BERM GUTTER

SECTION THRU SLAB

(END BENT 1 SHOWN, END BENT 2 SIMILAR)

† NORMAL TO END BENT

PROJECT NO. R-2707C  
CLEVELAND COUNTY  
 STATION: 596+50.98 -L-  
 SHEET 1 OF 2

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

BRIDGE APPROACH SLAB  
 (SITE 6L)

SEAL 40317  
 ENGINEER  
 TONY R. LAWS, JR.  
 12/13/2016

STV ENGINEERS, INC.  
 900 West Trade St., Suite 715  
 Charlotte, NC 28202  
 NC License Number F-5991

REVISIONS				SHEET NO.
NO.	BY:	DATE:	NO.	DATE:
1			3	
2			4	

TOTAL SHEETS 56

DRAWN BY: <u>MBC</u>	DATE: <u>10-16</u>	DESIGN ENGINEER OF RECORD: <u>A. PETER</u>	DATE: <u>10-16</u>
CHECKED BY: <u>AJP</u>	DATE: <u>10-16</u>		

12/13/2016 7:00:01 PM R:\407\_109\_R2707C\_SML\_BAS01\_S7-55.dgn