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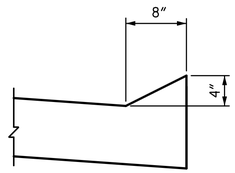
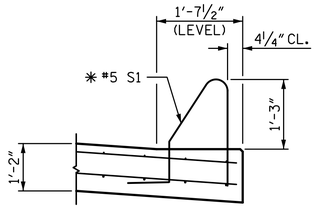
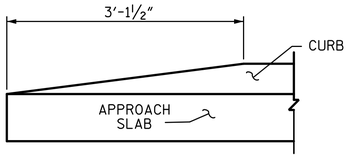
3/18/2022 11:07:02 AM G:\Projects\2020\Division 6 (Mott Mac - NV5)\I-5987B\Structures\Site 9 (L over Little Marsh Swamp)\Drawings\Final\I5987B_SMU_AS_770164.dgn



SECTION N-N



SECTION K-K

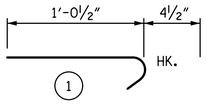


END OF CURB WITHOUT SHOULDER BERM GUTTER

CURB DETAILS

SEE SHEET 3 OF 3 FOR LOCATIONS AND QUANTITY OF #5 S1 BARS ON APPROACH SLABS

BAR TYPE



ALL BAR DIMENSIONS ARE OUT TO OUT

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.

BILL OF MATERIAL
FOR APPROACH SLAB @ END BENT 1 - STAGE I

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A101	50	#4	STR	20'-5"	682
A102	52	#4	STR	20'-3"	703
✳ B101	75	#5	STR	24'-4"	1903
B102	75	#6	STR	24'-8"	2779
✳ B103	2	#5	STR	9'-8"	20
B104	2	#6	STR	9'-8"	29
✳ D1	24	#6	STR	7'-2"	258
D2	24	#6	STR	7'-2"	258
✳ J1	37	#4	1	1'-5"	35
REINFORCING STEEL					3769 LB
✳ EPOXY COATED REINFORCING STEEL ✳✳					2898 LB
CLASS AA CONCRETE ✳✳					41.3 CY

BILL OF MATERIAL
FOR APPROACH SLAB @ END BENT 1 - STAGE II

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A201	25	#4	STR	36'-2"	604
A202	26	#4	STR	36'-2"	628
✳ B201	72	#5	STR	24'-4"	1827
B202	72	#6	STR	24'-8"	2668
✳ D1	24	#6	STR	7'-2"	258
D2	24	#6	STR	7'-2"	258
✳ J1	36	#4	1	1'-5"	34
REINFORCING STEEL					3554 LB
✳ EPOXY COATED REINFORCING STEEL					2723 LB
CLASS AA CONCRETE					39.0 CY

BILL OF MATERIAL
FOR APPROACH SLAB @ END BENT 1 - STAGE III

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A301	50	#4	STR	38'-9"	1294
A302	52	#4	STR	38'-7"	1340
✳ B301	147	#5	STR	24'-4"	3731
B302	147	#6	STR	24'-8"	5446
✳ B303	2	#5	STR	9'-8"	20
B304	2	#6	STR	9'-8"	29
✳ J1	73	#4	1	1'-5"	70
REINFORCING STEEL					6815 LB
✳ EPOXY COATED REINFORCING STEEL ✳✳					5115 LB
CLASS AA CONCRETE ✳✳					80.2 CY

BILL OF MATERIAL
FOR APPROACH SLAB @ END BENT 2 - STAGE I

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A101	50	#4	STR	20'-5"	682
A102	52	#4	STR	20'-3"	703
✳ B101	75	#5	STR	24'-4"	1903
B102	75	#6	STR	24'-8"	2779
✳ B103	2	#5	STR	9'-8"	20
B104	2	#6	STR	9'-8"	29
✳ D1	24	#6	STR	7'-2"	258
D2	24	#6	STR	7'-2"	258
✳ J1	37	#4	1	1'-5"	35
REINFORCING STEEL					3769 LB
✳ EPOXY COATED REINFORCING STEEL ✳✳					2898 LB
CLASS AA CONCRETE ✳✳					41.3 CY

BILL OF MATERIAL
FOR APPROACH SLAB @ END BENT 2 - STAGE II

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A201	25	#4	STR	36'-2"	604
A202	26	#4	STR	36'-2"	628
✳ B201	72	#5	STR	24'-4"	1827
B202	72	#6	STR	24'-8"	2668
✳ D1	24	#6	STR	7'-2"	258
D2	24	#6	STR	7'-2"	258
✳ J1	36	#4	1	1'-5"	34
REINFORCING STEEL					3554 LB
✳ EPOXY COATED REINFORCING STEEL					2723 LB
CLASS AA CONCRETE					39.0 CY

BILL OF MATERIAL
FOR APPROACH SLAB @ END BENT 2 - STAGE III

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A301	50	#4	STR	38'-9"	1294
A302	52	#4	STR	38'-7"	1340
✳ B301	147	#5	STR	24'-4"	3731
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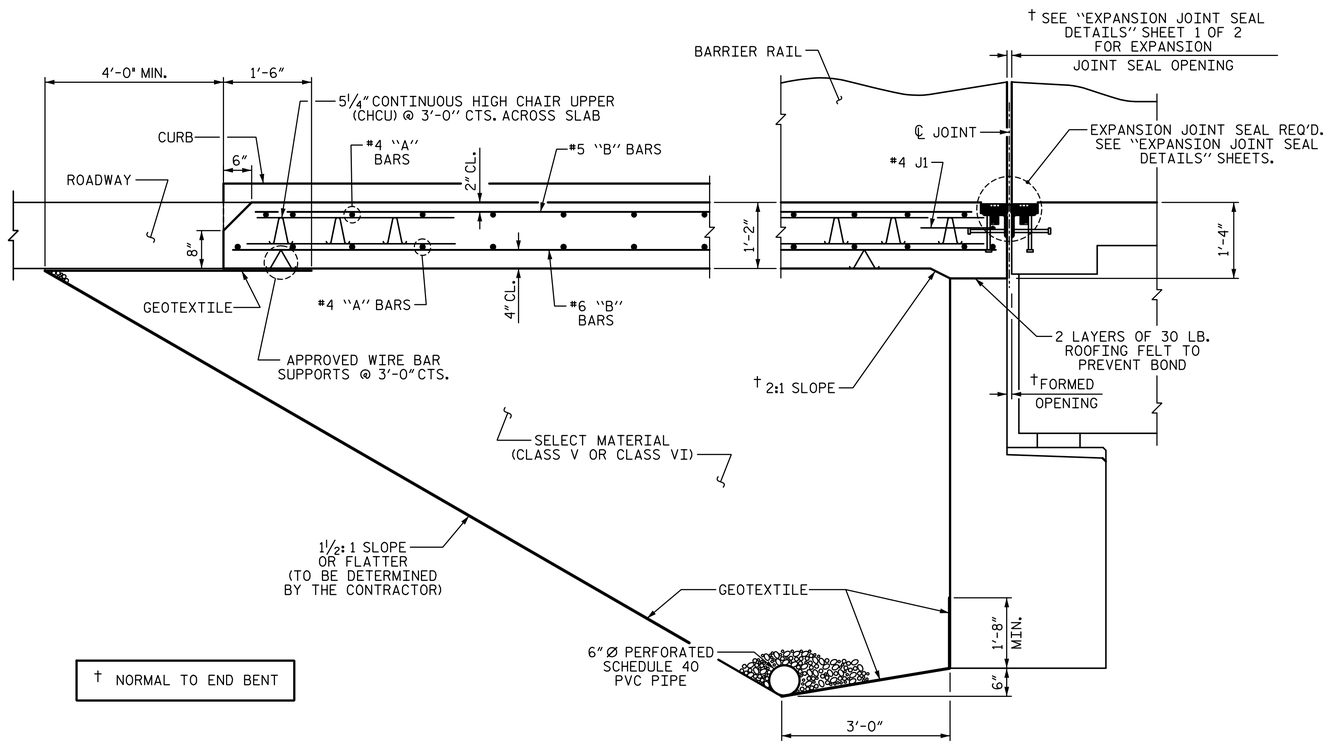
REINFORCING STEEL					6815 LB
✳ EPOXY COATED REINFORCING STEEL ✳✳					5115 LB
CLASS AA CONCRETE ✳✳					80.2 CY

✳✳ QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED. SEE SHEET 3 OF 3.



† NORMAL TO END BENT

SECTION THRU SLAB

(TYPE I - STANDARD APPROACH SLAB FILL)

SPLICE CHART

BAR SIZE	EPOXY COATED	UNCOATED
#4	1'-11"	1'-7"
#5	2'-5"	2'-0"
#6	3'-7"	2'-5"

PROJECT NO. I-5987B
ROBESON COUNTY
STATION: 803+15.00 -L-

SHEET 2 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE APPROACH SLAB

WGI
5640 Dillard Drive, Suite 200
Cary, NC 27518
LICENSURE NO. C-4434

NORTH CAROLINA PROFESSIONAL SEAL 18056 ENGINEER JOHN A. BATTS
3/21/2022

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DRAWN BY: S.D. COOPER	DATE: 3-22	
CHECKED BY: J.A. BATTS	DATE: 3-22	
DESIGN ENGINEER OF RECORD: J.A. BATTS	DATE: 3-22	

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S9-68
1			3			TOTAL SHEETS
2			4			69