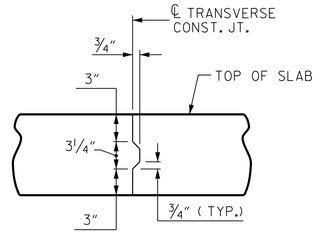
SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS

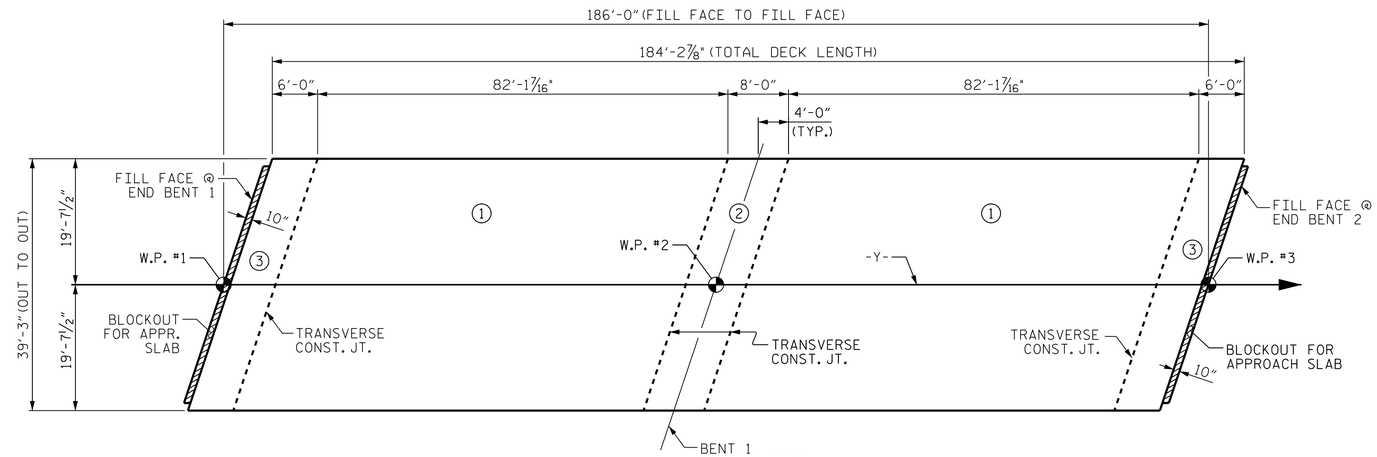
BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPET, AND BARRIER RAIL		APPROACH SLABS		PARAPET AND BARRIER RAIL
	EPOXY COATED	UNCOATED	EPOXY COATED	UNCOATED	
#4	2′-0″	1′-9″	2′-0″	1′-9″	2′-9″
#5	2′-6″	2′-2″	2′-6″	2′-2″	3′-5″
#6	3′-0″	2′-7″	3′-10″	2′-7″	4′-4″
#7	5′-3″	3′-6″			
#8	6′-10″	4′-7″			



TRANSVERSE CONSTRUCTION JOINT DETAIL

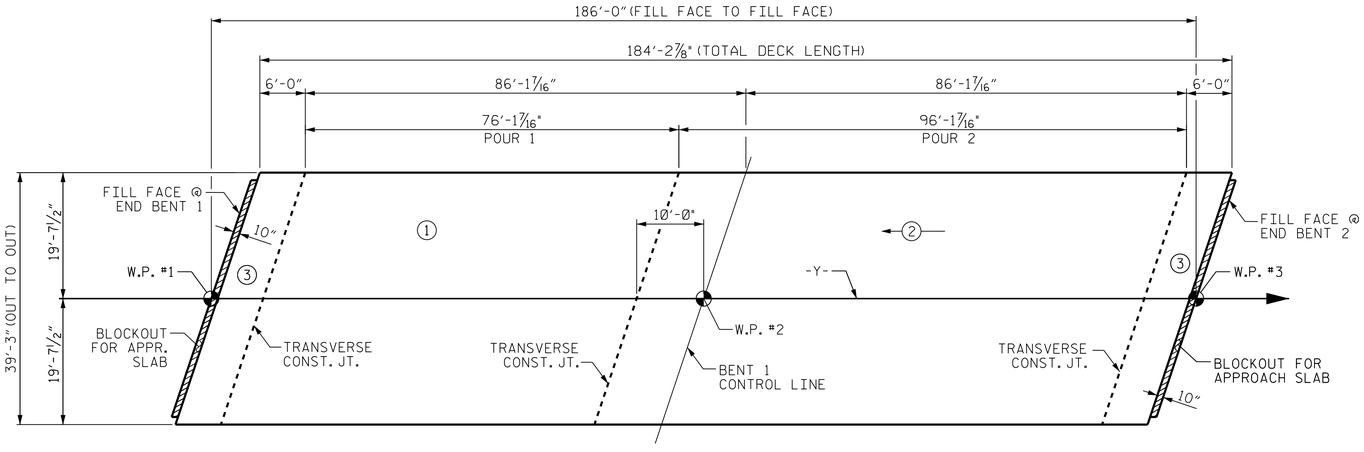
GROOVING BRIDGE FLOORS

APPROACH SLABS	946 SQ.FT.
BRIDGE DECK	6,068 SQ.FT.
TOTAL	7,014 SQ.FT.



OPTIONAL POURING SEQUENCE

POUR 2 CANNOT BE STARTED UNTIL BOTH ADJACENT POUR 1 REACH A MINIMUM OF 3000 PSI RESPECTIVELY.



POURING SEQUENCE AND LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB (SQ.FT. = 7,301)

②— INDICATES POUR NUMBER AND DIRECTION.

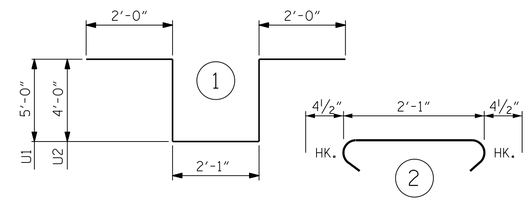
REINFORCING STEEL

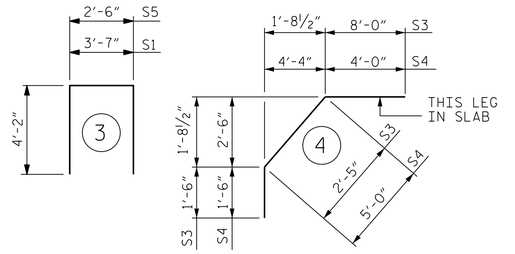
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A1	373	#5	STR	38′-11″	15140
A2	373	#5	STR	38′-11″	15140
✳ A101	4	#5	STR	36′-7″	153
✳ A102	4	#5	STR	33′-11″	142
✳ A103	4	#5	STR	31′-2″	130
✳ A104	4	#5	STR	28′-5″	119
✳ A105	4	#5	STR	25′-8″	107
✳ A106	4	#5	STR	22′-11″	96
✳ A107	4	#5	STR	20′-3″	84
✳ A108	4	#5	STR	17′-6″	73
✳ A109	4	#5	STR	14′-9″	62
✳ A110	4	#5	STR	12′-0″	50
✳ A111	4	#5	STR	9′-3″	39
✳ A112	4	#5	STR	6′-6″	27
✳ A113	4	#5	STR	3′-9″	16
✳ A114	4	#5	STR	1′-1″	5
A201	4	#5	STR	36′-7″	153
A202	4	#5	STR	33′-11″	142
A203	4	#5	STR	31′-2″	130
A204	4	#5	STR	28′-5″	119
A205	4	#5	STR	25′-9″	107
A206	4	#5	STR	22′-11″	96
A207	4	#5	STR	20′-3″	84
A208	4	#5	STR	17′-6″	73
A209	4	#5	STR	14′-9″	62
A210	4	#5	STR	12′-0″	50
A211	4	#5	STR	9′-3″	39
A212	4	#5	STR	6′-6″	27
A213	4	#5	STR	3′-9″	16
A214	4	#5	STR	1′-1″	5
✳ B1	108	#4	STR	23′-8″	1708
✳ B2	54	#7	STR	36′-0″	3974
✳ B3	26	#7	STR	28′-0″	1488
✳ B4	108	#7	STR	18′-8″	4120
B5	200	#5	STR	47′-8″	9943
K1	20	#4	STR	20′-5″	273
K2	6	#4	STR	8′-6″	34
K3	6	#4	STR	9′-9″	39
K4	12	#4	STR	10′-1″	81
K5	6	#4	STR	9′-1″	36
K6	4	#4	STR	2′-4″	6
K7	4	#4	STR	2′-9″	7
K8	8	#4	STR	3′-1″	16
K9	4	#4	STR	2′-7″	7
K11	6	#4	STR	7′-3″	29
K12	6	#4	STR	9′-9″	39
K13	12	#4	STR	10′-1″	81
K14	6	#4	STR	9′-1″	36
K15	10	#4	STR	18′-0″	120
S1	62	#4	3	11′-11″	494
S2	102	#4	2	2′-10″	193
✳ S3	62	#4	4	11′-11″	494
✳ S4	62	#4	4	10′-6″	435
S5	4	#4	3	10′-10″	29
U1	21	#4	1	16′-1″	226
U2	6	#4	1	14′-1″	56

REINFORCING STEEL = 27,988 LBS

✳ EPOXY COATED REINF. STEEL = 28,462 LBS

BAR TYPES





ALL BAR DIMENSIONS ARE OUT TO OUT

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU. YDS.)	(LBS.)	(LBS.)
POUR 1	102.1		
POUR 2	138.9		
POUR 3	72.9		
TOTAL ✳✳	313.9	27,988	28,462

✳✳ QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

PROJECT NO. R-5752

ROBESON COUNTY

STATION: 30+39.23 -Y-

CDM Smith
CDM SMITH
5400 Glenwood Avenue, Suite 400
Raleigh, NC 27612-3228
NC COA No. F-1255

DRAWN BY : A.L. STROUD DATE : 03/17
CHECKED BY : J.B. TAYLOR DATE : 03/17
DESIGN ENGINEER : J.B. TAYLOR DATE : 03/17

DWG. No.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NORTH CAROLINA PROFESSIONAL SEAL 33698 ENGINEER JOSHUA B. TAYLOR
8/2/2017
DocuSigned by: Joshua B. Taylor

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE BILL OF MATERIAL AND POURING SEQUENCE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-16
1			3			TOTAL SHEETS
2			4			24

STD. NO. BOM1

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