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BILL OF MATERIAL

EPOXY COATED

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	468	5	STR.	38′-9″	18,915
A2	2	5	STR.	29′-4″	61
A3	2	5	STR.	18′-1″	38
A4	2	5	STR.	6′-11″	14
A5	2	5	STR.	31′-10″	66
A6	2	5	STR.	20′-7″	43
A7	2	5	STR.	9′-5″	20
A8	82	4	STR.	2′-6″	137

BILL OF MATERIAL

EPOXY COATED

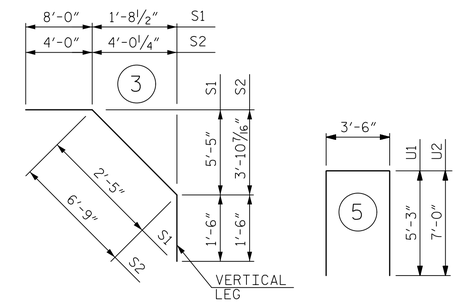
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	255	4	STR.	25′-4″	4,315
B2	100	6	STR.	24′-6″	3,680
B3	100	6	STR.	24′-6″	3,680
B4	15	4	STR.	25′-4″	254
S1	104	4	3	11′-11″	828
S2	104	4	3	12′-3″	851
U1	136	5	5	14′-0″	1,986
U2	12	5	5	17′-6″	219
K1	28	5	STR.	41′-1″	1,200
K2	60	5	STR.	10′-1″	631
K3	12	5	STR.	8′-6″	106
K4	12	5	STR.	7′-10″	98
K5	4	5	STR.	5′-10″	24
K6	20	5	STR.	6′-8″	139
K7	4	5	STR.	5′-10″	24
K8	4	5	STR.	2′-3″	9
				TOTAL	36,947

BILL OF MATERIAL

UNCOATED

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A101	468	5	STR.	38′-7″	18,833
A102	2	5	STR.	29′-2″	61
A103	2	5	STR.	17′-11″	37
A104	2	5	STR.	6′-9″	14
A105	2	5	STR.	31′-10″	66
A106	2	5	STR.	20′-7″	43
A107	2	5	STR.	9′-5″	20
B101	222	5	STR.	40′-11″	9,474
				TOTAL	28,548

BAR TYPES



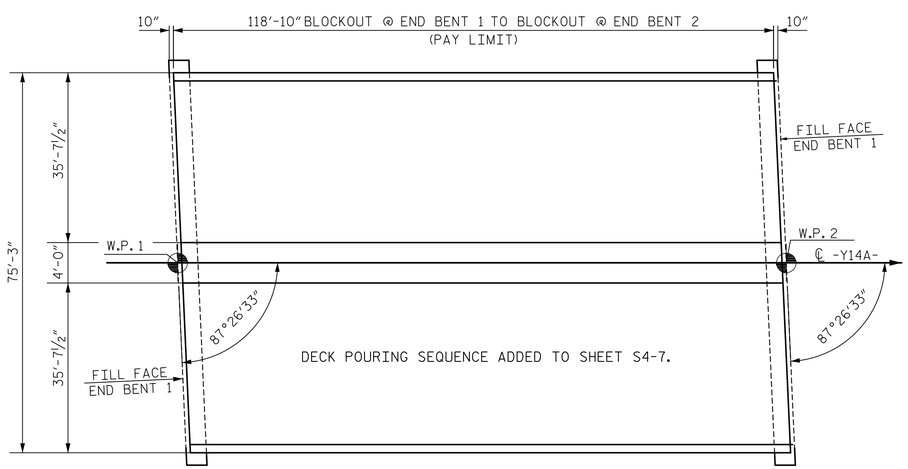
ALL BAR DIMENSIONS ARE OUT TO OUT

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU. YDS.)	(LBS.)	(LBS.)
POUR 1	264.4		
POUR 2	160.4		
MEDIAN	6.5		
TOTALS**	431.3	28,548	36,947

**QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

NOTE: QUANTITIES INCLUDE THE CONCRETE AND REINFORCING STEEL FOR THE UPPER PORTION OF THE INTEGRAL END BENTS.



LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB (SQ. FT. = 8942)

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″			

PROJECT NO. R-5021

BRUNSWICK COUNTY

STATION: 39+52.37 -Y14A-

GROOVING BRIDGE FLOORS

APPROACH SLABS	3038	SQ.FT.
BRIDGE DECK	7367.6	SQ.FT.
TOTAL	10405.6	SQ.FT.

DocuSigned by: R. Bruce Bosley — NORTH CAROLINA PROFESSIONAL SEAL 046234 ENGINEER R. BRUCE BOSLEY — 12/7/2018

DocuSigned by: Paul J. Barber — NORTH CAROLINA PROFESSIONAL SEAL 12916 ENGINEER PAUL J. BARBER — 12/7/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HNTB NORTH CAROLINA, P.C.
NC License No. C-1554
343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609

DRAWN BY L. WATERS DATE 7/18
CHECKED BY B. BOSLEY DATE 7/18
DESIGN ENGINEER OF RECORD B. BOSLEY DATE 12/18

DWG. NO. 16

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
SUPERSTRUCTURE BILL OF MATERIAL

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S4-16
1			3			TOTAL SHEETS
2			4			24

ASSEMBLED BY : LLW DATE : 3/18
CHECKED BY : RBB DATE : 3/18

DRAWN BY : JMB 5/87
CHECKED BY : SJD 9/87

REV. 8/16/99 RWW/LES
REV. 5/1/06 TLA/GM
REV. 10/1/11 MAA/GM

STD. NO. BOM2