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BILL OF MATERIAL

EPOXY COATED

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	430	5	STR.	43'-6"	19,509
A2	2	5	STR.	38'-7"	80
A3	2	5	STR.	31'-10"	66
A4	2	5	STR.	25'-3"	53
A5	2	5	STR.	18'-7"	39
A6	2	5	STR.	11'-11"	25
A7	2	5	STR.	46'-1"	96
A8	2	5	STR.	39'-5"	82
A9	2	5	STR.	32'-9"	68
A10	2	5	STR.	26'-1"	54
A11	2	5	STR.	19'-5"	41
A12	2	5	STR.	12'-8"	26
A13	2	5	STR.	6'-0"	13
A14	94	4	STR.	14'-10"	931

BILL OF MATERIAL

EPOXY COATED

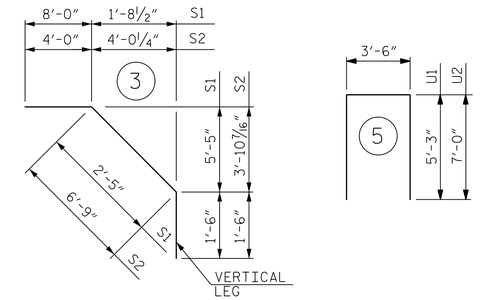
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	290	4	STR.	29'-6"	5,715
B2	114	6	STR.	28'-6"	4,880
B3	114	6	STR.	28'-6"	4,880
B4	55	4	STR.	29'-9"	1,093
S1	104	4	3	11'-11"	828
S2	104	4	3	12'-3"	851
U1	145	5	5	14'-0"	2,117
U2	8	5	5	17'-6"	146
K1	42	5	STR.	31'-6"	1,380
K2	80	5	STR.	8'-8"	723
K3	16	5	STR.	6'-8"	111
K4	16	5	STR.	7'-1"	118
K5	4	5	STR.	4'-6"	19
K6	20	5	STR.	5'-3"	110
K7	8	5	STR.	2'-1"	17
				TOTAL	42,047

BILL OF MATERIAL

UNCOATED

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A101	430	5	STR.	43'-4"	19,435
A102	2	5	STR.	38'-5"	80
A103	2	5	STR.	31'-8"	66
A104	2	5	STR.	25'-1"	52
A105	2	5	STR.	18'-5"	38
A106	2	5	STR.	11'-9"	25
A107	2	5	STR.	46'-1"	96
A108	2	5	STR.	39'-5"	82
A109	2	5	STR.	32'-9"	68
A110	2	5	STR.	26'-1"	54
A111	2	5	STR.	19'-5"	41
A112	2	5	STR.	12'-8"	26
A113	2	5	STR.	6'-0"	13
B101	216	5	STR.	48'-3"	10,870
				TOTAL	30,946

BAR TYPES



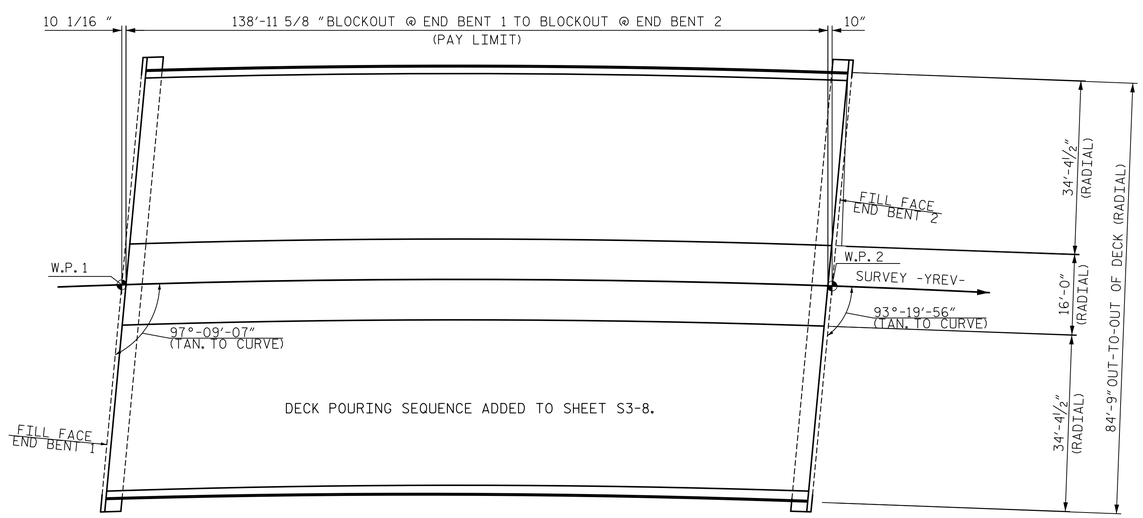
ALL BAR DIMENSIONS ARE OUT TO OUT

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU. YDS.)	(LBS.)	(LBS.)
POUR 1	326.1		
POUR 2	233.4		
MEDIAN	33.4		
TOTALS**	592.9	30,946	42,047

**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. = 11740)

GROOVING BRIDGE FLOORS		
APPROACH SLABS	2916	SQ.FT.
BRIDGE DECK	8320	SQ.FT.
TOTAL	11236	SQ.FT.

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: POC 31+30.81 -YREV-

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

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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
SUPERSTRUCTURE BILL OF MATERIAL

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 6/18
CHECKED BY R. BOSLEY DATE 6/18
DESIGN ENGINEER OF RECORD B. BOSLEY DATE 12/18

DWG. NO. 17

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S3-17
1			3			TOTAL SHEETS
2			4			25

ASSEMBLED BY : LLW DATE : 12/17
CHECKED BY : RBB DATE : 12/17

DRAWN BY : JMB 5/87 — REV. 8/16/99 RWW/LES
CHECKED BY : SJD 9/87 — REV. 5/1/06 TLA/GM; REV. 10/1/11 MAA/GM

STD. NO. BOM2