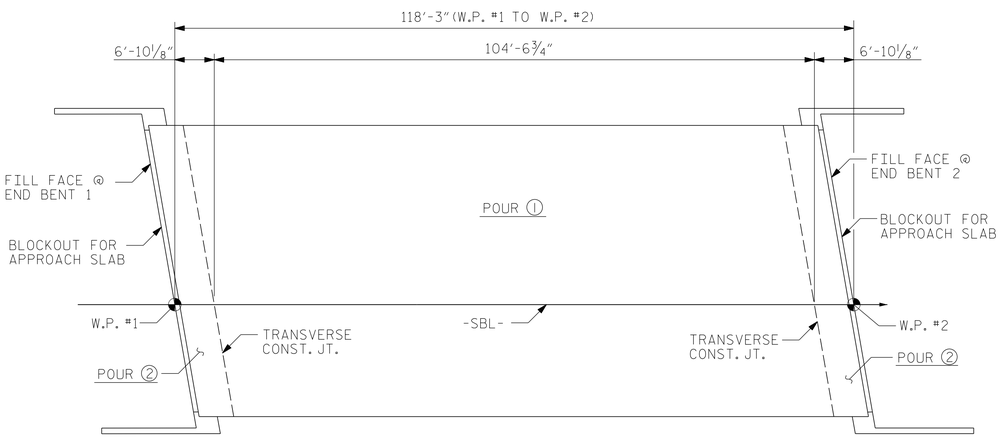


POURING SEQUENCE

CONCRETE IN THE UPPER PORTION OF THE WINGS SHALL BE INCLUDED WITH THE SUPERSTRUCTURE POUR.

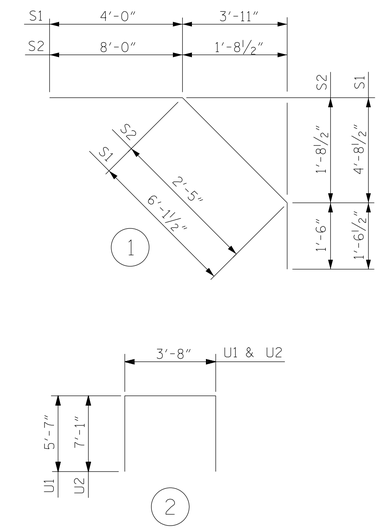
BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	199	#5	STR	50'-10"	10,551	* B1	175	#4	STR	24'-10"	2,903
* A2	2	#5	STR	47'-10"	100	B2	46	#5	STR	40'-7"	1,947
* A3	2	#5	STR	44'-9"	93	B3	92	#6	STR	40'-7"	5,608
* A4	2	#5	STR	41'-8"	87	* B4	132	#6	STR	24'-0"	4,758
* A5	2	#5	STR	38'-6"	80						
* A6	2	#5	STR	35'-5"	74	H1	30	#5	STR	18'-9"	587
* A7	2	#5	STR	32'-3"	67	H2	30	#5	STR	20'-7"	644
* A8	2	#5	STR	29'-2"	61	H3	30	#5	STR	18'-7"	581
* A9	2	#5	STR	26'-1"	54	H4	30	#5	STR	20'-9"	649
* A10	2	#5	STR	22'-11"	48						
* A11	2	#5	STR	19'-10"	41	K1	14	#5	STR	57'-8"	842
* A12	2	#5	STR	16'-8"	35	K2	40	#5	STR	9'-11"	414
* A13	2	#5	STR	13'-7"	28	K3	8	#5	STR	8'-3"	69
* A14	2	#5	STR	10'-6"	22	K4	8	#5	STR	6'-10"	57
* A15	2	#5	STR	7'-4"	15	K5	20	#5	STR	6'-8"	139
* A16	2	#5	STR	4'-3"	9	K6	4	#5	STR	5'-11"	25
A17	199	#5	STR	50'-10"	10,551	K7	4	#5	STR	5'-2"	22
A18	2	#5	STR	47'-10"	100						
A19	2	#5	STR	44'-9"	93	* S1	72	#4	1	11'-8"	561
A20	2	#5	STR	41'-8"	87	* S2	72	#4	1	11'-11"	573
A21	2	#5	STR	38'-6"	80						
A22	2	#5	STR	35'-5"	74	U1	76	#4	2	14'-10"	753
A23	2	#5	STR	32'-3"	67	U2	12	#4	2	17'-10"	143
A24	2	#5	STR	29'-2"	61						
A25	2	#5	STR	26'-1"	54	V2	148	#4	STR	7'-1"	700
A26	2	#5	STR	22'-11"	48						
A27	2	#5	STR	19'-10"	41						
A28	2	#5	STR	16'-8"	35						
A29	2	#5	STR	13'-7"	28						
A30	2	#5	STR	10'-6"	22						
A31	2	#5	STR	7'-4"	15						
A32	2	#5	STR	4'-3"	9						

REINFORCING STEEL	24,545 LBS.
* EPOXY COATED REINF. STEEL	20,160 LBS.

* DENOTES EPOXY COATED REINFORCING STEEL

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	178.3		
POUR #2	146.8		
TOTALS**	325.1	24,545	20,160

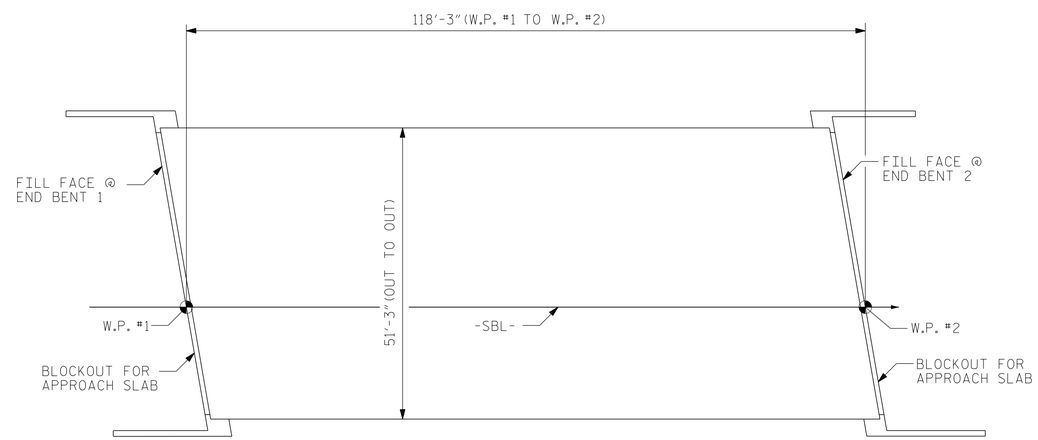
** QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

GROOVING BRIDGE FLOORS

APPROACH SLABS	2636	SQ.FT.
BRIDGE DECK	5245	SQ.FT.
TOTAL	7881	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"			



LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB (SQ. FT. = 6,060)

PROJECT NO. I-0914BA

VANCE COUNTY

STATION: 419+67.07 -SBL- POT
13+96.65 -Y7- POT

SHEET 1 OF 1

NORTH CAROLINA PROFESSIONAL SEAL 11725 ENGINEER DAVID R. RUGGLES

DocuSigned by: David Ruggles C462768DF412422... 11/14/2014

DWG. 18 OF 26

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE BILL OF MATERIAL

STEWART
Firm License No. C-1051
421 Fayetteville St,
Suite 400
Raleigh, NC 27601
T 919.380.8750
www.stewartinc.com

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

SHEET NO. S-143

TOTAL SHEETS 177

DRAWN BY: J. LOFTUS	DATE : 05/14	
CHECKED BY: D. RUGGLES	DATE : 05/14	
DESIGN ENGINEER OF RECORD: D. RUGGLES	DATE : 04/14	

SITE IV (-SBL-)