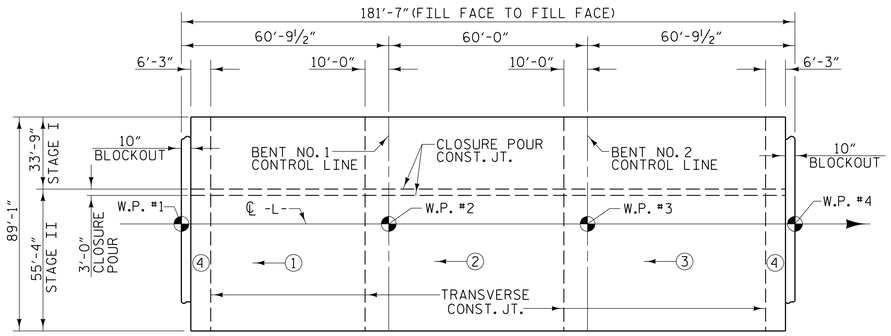
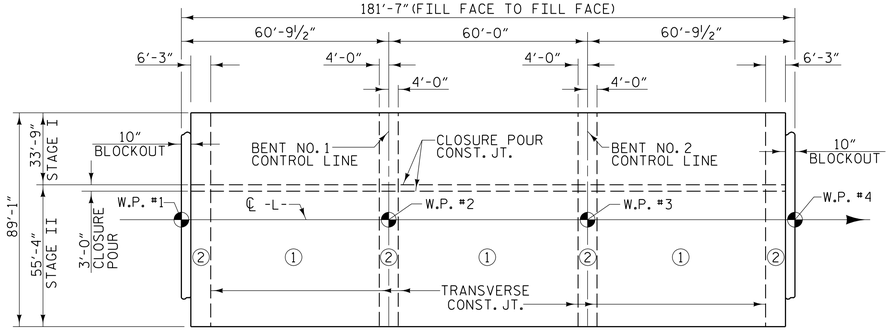


POURING SEQUENCE SKETCH

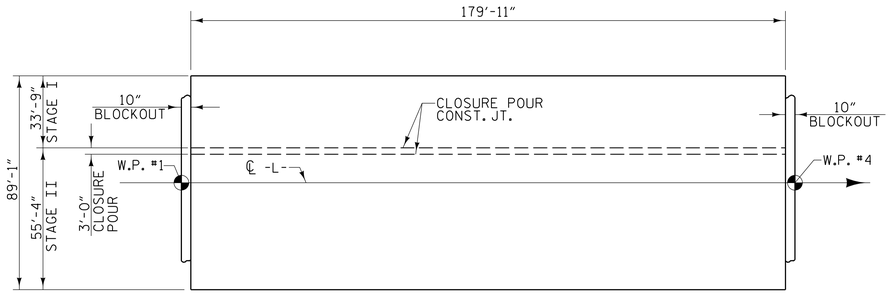
← (#) INDICATES POUR SEQUENCE NUMBER & DIRECTION



OPTIONAL POURING SEQUENCE SKETCH

(#) INDICATES POUR SEQUENCE NUMBER

NOTE: POUR 2 CANNOT BE STARTED UNTIL BOTH ADJACENT POURS REACH MINIMUM OF 3000 PSI



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB

(TOTAL SQ. FT. = 16027)

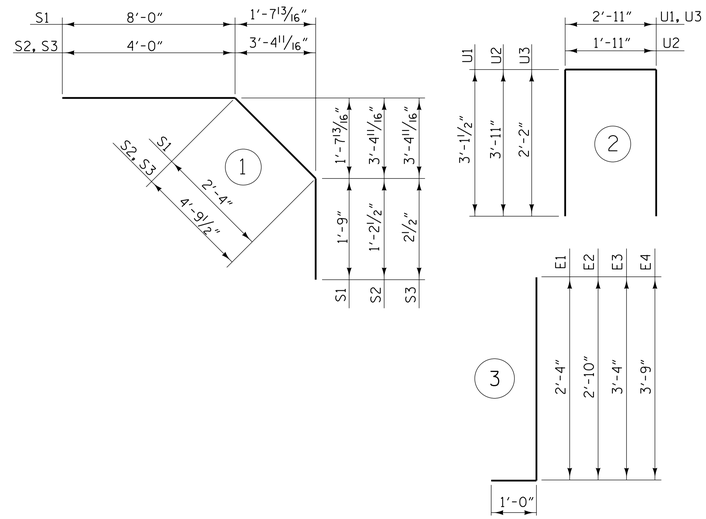
(STAGE I = 6072 SQ. FT.)
(STAGE II = 9955 SQ. FT.)

REINFORCING BAR SCHEDULE

STAGE I						STAGE II					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳A1	359	#5	STR	33'-5"	12512	✳A3	359	#5	STR	52'-0"	19471
A2	359	#5	STR	33'-5"	12512	A4	359	#5	STR	52'-0"	19471
B1	172	#5	STR	46'-5"	8327	B1	292	#5	STR	46'-5"	14136
✳B2	44	#4	STR	38'-5"	1129	✳B2	74	#4	STR	38'-5"	1950
✳B3	88	#6	STR	12'-0"	1586	✳B3	144	#6	STR	12'-0"	2595
B4	78	#4	STR	34'-2"	1780	B4	132	#4	STR	34'-2"	3013
✳B5	44	#5	STR	46'-3"	2123	✳B5	74	#5	STR	46'-3"	3570
✳B6	88	#5	STR	28'-2"	2585	✳B6	144	#5	STR	28'-2"	4230
✳B7	22	#4	STR	17'-10"	262	B7	37	#4	STR	17'-10"	441
✳D1	359	#5	STR	4'-9"	1779	✳D1	359	#5	STR	4'-9"	1779
D2	359	#5	STR	4'-9"	1779	D2	359	#5	STR	4'-9"	1779
✳E1	4	#7	3	3'-4"	27	✳E1	4	#7	3	3'-4"	27
✳E2	4	#7	3	3'-10"	31	✳E2	4	#7	3	3'-10"	31
✳E3	4	#7	3	4'-4"	35	✳E3	4	#7	3	4'-4"	35
✳E4	4	#7	3	4'-9"	39	✳E4	4	#7	3	4'-9"	39
✳F1	4	#6	STR	3'-0"	18	✳F1	4	#6	STR	3'-0"	18
✳F2	8	#6	STR	3'-6"	42	✳F2	8	#6	STR	3'-6"	42
✳F3	4	#6	STR	3'-9"	23	✳F3	4	#6	STR	3'-9"	23
K1	8	#4	STR	32'-4"	173	K5	16	#4	STR	1'-9"	19
K2	6	#4	STR	7'-9"	31	K6	16	#4	STR	26'-3"	281
K3	12	#4	STR	8'-9"	70	K7	8	#4	STR	7'-6"	40
K4	6	#4	STR	8'-3"	33	K8	16	#4	STR	8'-5"	90
K5	16	#4	STR	1'-9"	19	K9	8	#4	STR	8'-0"	43
						K10	2	#4	STR	2'-10"	4
✳S1	48	#4	1	12'-1"	387	K11	4	#4	STR	4'-0"	11
✳S2	48	#4	1	10'-0"	321	K12	2	#4	STR	3'-4"	4
U1	48	#4	2	9'-2"	294	✳S1	80	#4	1	12'-1"	646
U2	4	#4	2	9'-9"	26	✳S2	72	#4	1	10'-0"	481
						✳S3	8	#4	1	9'-0"	48
						U1	78	#4	2	9'-2"	478
						U2	4	#4	2	9'-9"	26
						U3	8	#4	2	7'-3"	39
REINFORCING STEEL				LBS.	25044	REINFORCING STEEL				LBS.	39873
EPOXY COATED REINFORCING STEEL				LBS.	22899	EPOXY COATED REINFORCING STEEL				LBS.	34985

✳ INDICATES 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.)
STAGE I	224.0	25044	22899
✳✳STAGE II	368.5	39873	34985
SIDEWALK	62.0		3160
END POSTS	1.6		-
MONO. CONC. ISLAND	14.5		770
TOTALS	670.6	64917	61814

✳✳ CONCRETE AND REINFORCING STEEL IN THE CLOSURE POUR ARE INCLUDED IN THE STAGE II CONSTRUCTION QUANTITIES.

GROOVING BRIDGE FLOORS

APPROACH SLABS (STAGE I)	1230	SQ. FT.
APPROACH SLABS (STAGE II)	1688	SQ. FT.
TOTAL	2918	SQ. FT.
BRIDGE DECK (STAGE I)	4555	SQ. FT.
BRIDGE DECK (STAGE II)	6329	SQ. FT.
TOTAL	10,884	SQ. FT.

POUR SEQUENCE BREAKDOWN

SPANS A, B & C	CLASS AA CONCRETE (CU. YDS.)	
	STAGE I	STAGE II
POUR #1	47.1	72.8
POUR #2	64.7	99.9
POUR #3	68.7	106.0
POUR #4	43.5	67.3
CLOSURE POUR		23.0
SIDEWALK	31.4	31.4
END POSTS	0.8	0.8
MONO. CONC. ISLAND		14.5
TOTALS	256.2	415.7

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	1'-11"	1'-7"	1'-11"	1'-7"	2'-6"
#5	2'-5"	2'-0"	2'-5"	2'-0"	3'-1"
#6	2'-10"	2'-5"	3'-7"	2'-5"	3'-8"
#7	4'-2"	2'-9"			
#8	4'-9"	3'-2"			

PROJECT NO. U-5839

HAYWOOD COUNTY

STATION: 31+45.00 -L- POT

PLANS PREPARED BY:

NV5

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5/19/2023

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 14114 ROBERT C. LARSON

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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

BILL OF MATERIAL

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S2-28
1			3			TOTAL SHEETS
2			4			49

DRAWN BY : W. B. ALLEN DATE : 5/19
CHECKED BY : Z. H. BROWN DATE : 7/19
DESIGN ENGINEER OF RECORD: R. C. LARSON DATE : 2/23

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