

BILL OF MATERIAL

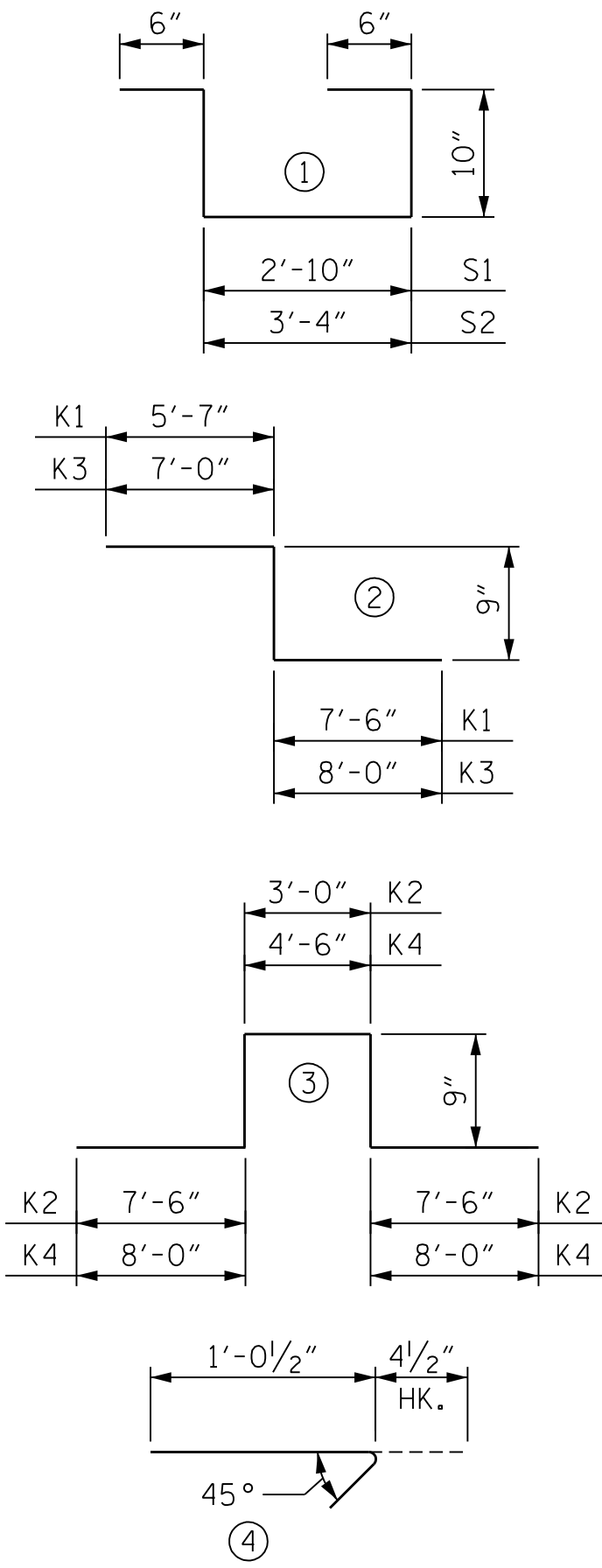
SUPERSTRUCTURE

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
* A1	618	#5	STR	32'-11"	21218	* A51	2	#5	STR	24'-4"	51	A110	2	#5	STR	24'-5"	51	A160	2	#5	STR	18'-10"	40	
* A2	2	#5	STR	30'-5"	64	* A52	2	#5	STR	23'-9"	50	A111	2	#5	STR	23'-8"	50	A161	2	#5	STR	18'-2"	38	
* A3	2	#5	STR	29'-8"	62	* A53	2	#5	STR	23'-1"	49	A112	2	#5	STR	22'-11"	48	A162	2	#5	STR	17'-7"	37	
* A4	2	#5	STR	28'-11"	61	* A54	2	#5	STR	22'-6"	47	A113	2	#5	STR	22'-2"	47	A163	2	#5	STR	17'-0"	36	
* A5	2	#5	STR	28'-2"	59	* A55	2	#5	STR	21'-10"	46	A114	2	#5	STR	21'-5"	45	A164	2	#5	STR	16'-4"	35	
* A6	2	#5	STR	27'-5"	58	* A56	2	#5	STR	21'-3"	45	A115	2	#5	STR	20'-8"	44	A165	2	#5	STR	15'-9"	33	
* A7	2	#5	STR	26'-8"	56	* A57	2	#5	STR	20'-8"	44	A116	2	#5	STR	19'-11"	42	A166	2	#5	STR	15'-2"	32	
* A8	2	#5	STR	25'-11"	55	* A58	2	#5	STR	20'-0"	42	A117	2	#5	STR	19'-2"	40	A167	2	#5	STR	14'-6"	31	
* A9	2	#5	STR	25'-2"	53	* A59	2	#5	STR	19'-5"	41	A118	2	#5	STR	18'-5"	39	A168	2	#5	STR	13'-11"	30	
* A10	2	#5	STR	24'-5"	51	* A60	2	#5	STR	18'-10"	40	A119	2	#5	STR	17'-8"	37	A169	2	#5	STR	13'-4"	28	
* A11	2	#5	STR	23'-8"	50	* A61	2	#5	STR	18'-2"	38	A120	2	#5	STR	16'-11"	36	A170	2	#5	STR	12'-8"	27	
* A12	2	#5	STR	22'-11"	48	* A62	2	#5	STR	17'-7"	37	A121	2	#5	STR	16'-2"	34	A171	2	#5	STR	12'-1"	26	
* A13	2	#5	STR	22'-2"	47	* A63	2	#5	STR	17'-0"	36	A122	2	#5	STR	15'-5"	33	A172	2	#5	STR	11'-6"	24	
* A14	2	#5	STR	21'-5"	45	* A64	2	#5	STR	16'-4"	35	A123	2	#5	STR	14'-7"	31	A173	2	#5	STR	10'-11"	23	
* A15	2	#5	STR	20'-8"	44	* A65	2	#5	STR	15'-9"	33	A124	2	#5	STR	13'-10"	29	A174	2	#5	STR	10'-3"	22	
* A16	2	#5	STR	19'-11"	42	* A66	2	#5	STR	15'-2"	32	A125	2	#5	STR	13'-1"	28	A175	2	#5	STR	9'-8"	21	
* A17	2	#5	STR	19'-2"	40	* A67	2	#5	STR	14'-6"	31	A126	2	#5	STR	12'-4"	26	A176	2	#5	STR	9'-1"	19	
* A18	2	#5	STR	18'-5"	39	* A68	2	#5	STR	13'-11"	30	A127	2	#5	STR	11'-7"	25	A177	2	#5	STR	8'-6"	18	
* A19	2	#5	STR	17'-8"	37	* A69	2	#5	STR	13'-4"	28	A128	2	#5	STR	10'-10"	23	A178	2	#5	STR	7'-10"	17	
* A20	2	#5	STR	16'-11"	36	* A70	2	#5	STR	12'-8"	27	A129	2	#5	STR	10'-1"	22	A179	2	#5	STR	7'-3"	16	
* A21	2	#5	STR	16'-2"	34	* A71	2	#5	STR	12'-1"	26	A130	2	#5	STR	9'-4"	20	A180	2	#5	STR	6'-8"	14	
* A22	2	#5	STR	15'-5"	33	* A72	2	#5	STR	11'-6"	24	A131	2	#5	STR	8'-6"	18	A181	2	#5	STR	6'-1"	13	
* A23	2	#5	STR	14'-7"	31	* A73	2	#5	STR	10'-11"	23	A132	2	#5	STR	7'-9"	17	A182	2	#5	STR	5'-6"	12	
* A24	2	#5	STR	13'-10"	29	* A74	2	#5	STR	10'-3"	22	A133	2	#5	STR	7'-0"	15	A183	2	#5	STR	4'-10"	11	
* A25	2	#5	STR	13'-1"	28	* A75	2	#5	STR	9'-8"	21	A134	2	#5	STR	6'-3"	14	A184	2	#5	STR	4'-3"	9	
* A26	2	#5	STR	12'-4"	26	* A76	2	#5	STR	9'-1"	19	A135	2	#5	STR	5'-6"	12	A185	2	#5	STR	3'-8"	8	
* A27	2	#5	STR	11'-7"	25	* A77	2	#5	STR	8'-6"	18	A136	2	#5	STR	4'-9"	10	A186	2	#5	STR	3'-1"	7	
* A28	2	#5	STR	10'-10"	23	* A78	2	#5	STR	7'-10"	17	A137	2	#5	STR	3'-11"	9	A187	2	#5	STR	2'-6"	6	
* A29	2	#5	STR	10'-1"	22	* A79	2	#5	STR	7'-3"	16	A138	2	#5	STR	3'-2"	7	A188	2	#5	STR	1'-10"	4	
* A30	2	#5	STR	9'-4"	20	* A80	2	#5	STR	6'-8"	14	A139	2	#5	STR	2'-5"	6							
* A31	2	#5	STR	8'-6"	18	* A81	2	#5	STR	6'-1"	13	A140	2	#5	STR	1'-8"	4	* B1	36	#4	STR	33'-5"	804	
* A32	2	#5	STR	7'-9"	17	* A82	2	#5	STR	5'-6"	12	A141	2	#5	STR	30'-6"	64	* B2	66	#6	STR	47'-10"	4742	
* A33	2	#5	STR	7'-0"	15	* A83	2	#5	STR	4'-10"	11	A142	2	#5	STR	29'-11"	63	* B3	66	#6	STR	60'-0"	5948	
* A34	2	#5	STR	6'-3"	14	* A84	2	#5	STR	4'-3"	9	A143	2	#5	STR	29'-3"	62	* B4	120	#4	STR	36'-7"	2933	
* A35	2	#5	STR	5'-6"	12	* A85	2	#5	STR	3'-8"	8	A144	2	#5	STR	28'-8"	60	* B5	36	#4	STR	29'-7"	712	
* A36	2	#5	STR	4'-9"	10	* A86	2	#5	STR	3'-1"	7	A145	2	#5	STR	28'-0"	59							
* A37	2	#5	STR	3'-11"	9	* A87	2	#5	STR	2'-6"	6	A146	2	#5	STR	27'-5"	58	B101	273	#5	STR	52'-5"	14926	
* A38	2	#5	STR	3'-2"	7	* A88	2	#5	STR	1'-10"	4	A147	2	#5	STR	26'-10"	56							
* A39	2	#5	STR	2'-5"	6	* A89	3	#6	STR	22'-2"	100	A148	2	#5	STR	26'-2"	55	* G1	1	#5	STR	51'-11"	55	
* A40	2	#5	STR	1'-8"	4	* A90	3	#6	STR	26'-4"	119	A149	2	#5	STR	25'-7"	54	* G2	2	#5	STR	31'-6"	66	
* A41	2	#5	STR	30'-6"	64							A150	2	#5	STR	24'-11"	52							
* A42	2	#5	STR	29'-11"	63	A101	618	#5	STR	32'-11"	21218	A151	2	#5	STR	24'-4"	51	* J1	109	#4	4	1'-5"	104	
* A43	2	#5	STR	29'-3"	62	A102	2	#5	STR	30'-5"	64	A152	2	#5	STR	23'-9"	50							
* A44	2	#5	STR	28'-8"	60	A103	2	#5	STR	29'-8"	62	A153	2	#5	STR	23'-1"	49	* K1	6	#5	2	13'-10"	87	
* A45	2	#5	STR	28'-0"	59	A104	2	#5	STR	28'-11"	61	A154	2	#5	STR	22'-6"	47	* K2	6	#5	3	19'-6"	123	
* A46	2	#5	STR	27'-5"	58	A105	2	#5	STR	28'-2"	59	A155	2	#5	STR	21'-10"	46	* K3	6	#5	2	15'-9"	99	
* A47	2	#5	STR	26'-10"	56	A106	2	#5	STR	27'-5"	58	A156	2	#5	STR	21'-3"	45	* K4	6	#5	3	22'-0"	138	
* A48	2	#5	STR	26'-2"	55	A107	2	#5	STR	26'-8"	56	A157	2	#5	STR	20'-8"	44							
* A49	2	#5	STR	25'-7"	54	A108	2	#5	STR	25'-11"	55	A158	2	#5	STR	20'-0"	42							
* A50	2	#5	STR	24'-11"	52	A109	2	#5	STR	25'-2"	53	A159	2	#5	STR	19'-5"	41							

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

BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPETS, AND BARRIER RAILS		APPROACH SLABS		PARAPETS AND BARRIER RAILS
	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"			

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

CLASS AA CONCRETE

POUR	CU. YDS.
POUR 1	70.5
POUR 2	169.3
POUR 3	141.0
POUR 4	15.4
TOTAL	396.2

GROOVING BRIDGE FLOORS

AREA	SQ. FT.
APPROACH SLABS	1,253
BRIDGE DECK	9,487
TOTAL	10,740

PROJECT NO. B-3186/B-5898

HAYWOOD COUNTY

STATION: 27+54.43 -YIRT-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE BILL OF MATERIALS

REVISIONS						SHEET NO. 502-35
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 48
2			4			



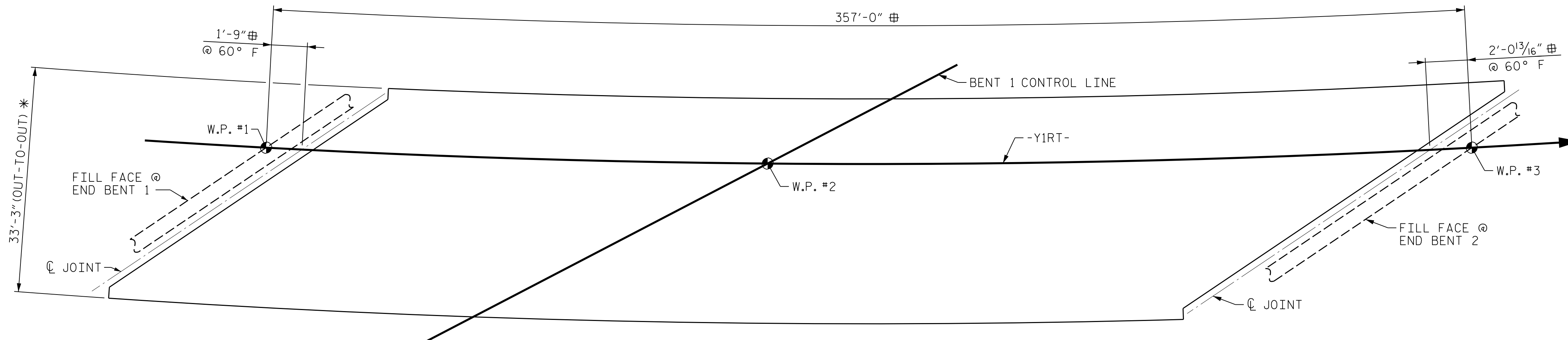
W. Brian Watson 1/24/2022

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N.C. B.E.L.S. License Number: F-0116

- # MEASURED ALONG -YIRT-
- * MEASURED RADIAL TO -YIRT-



LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB

(SQ. FT. = 11,870)

DES BY:	S. NIFONG	DATE:	06/21	DWG BY:	D. CARTER	DATE:	06/21
DES CHK:	H. ABU NIMEH	DATE:	07/21	CHK BY:	H. ABU NIMEH	DATE:	07/21