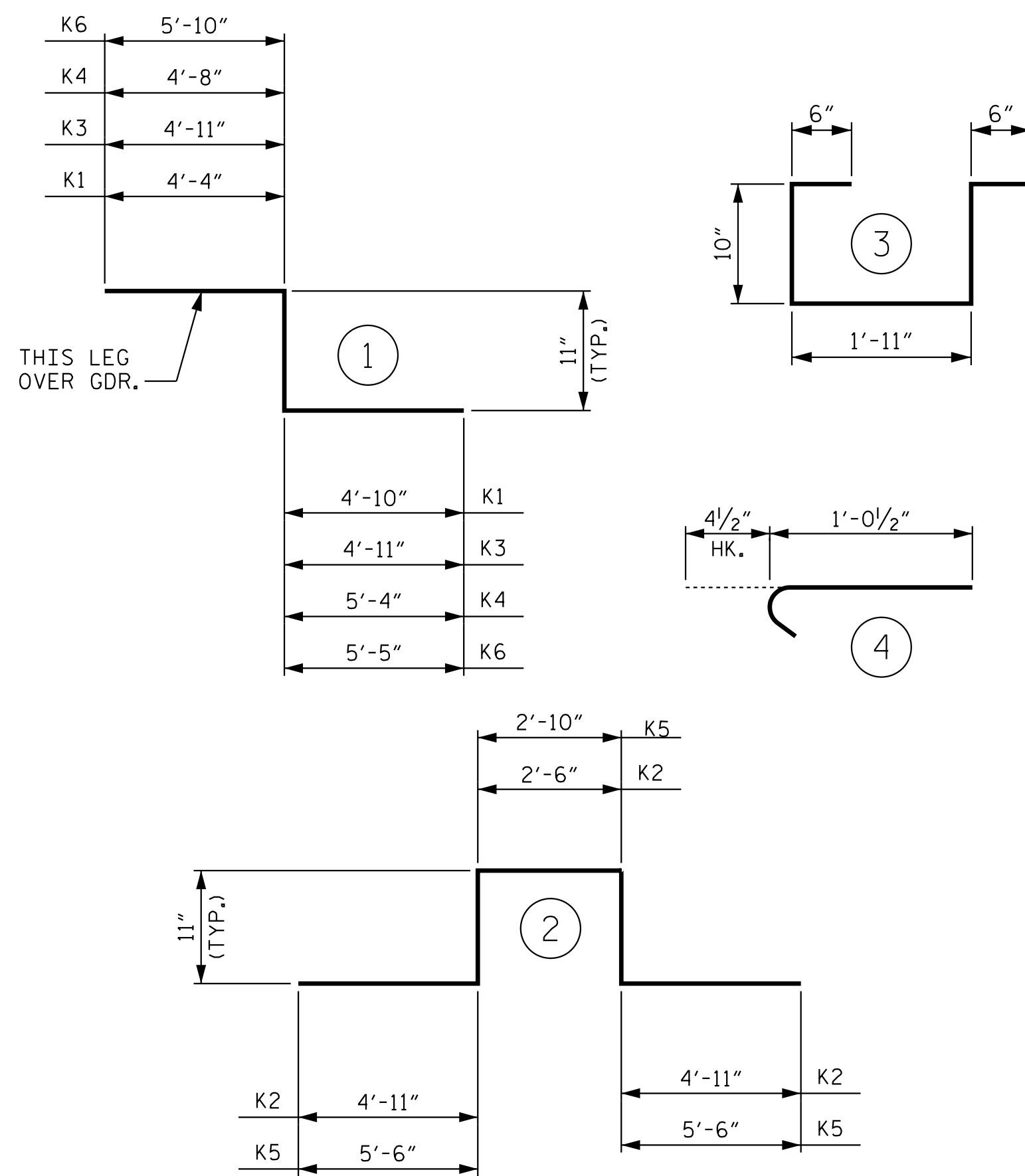


BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

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"			

REINFORCING STEEL SCHEDULE

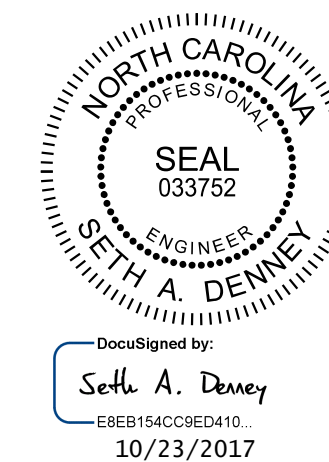
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	SIZE	TYPE	LENGTH	WEIGHT			
A1E	372	5	STR	40'-0"	15520	A141E	1	5	STR	23'-2"	24	A235	1	5	STR	34'-11"	36
A2E	372	5	STR	20'-1"	7792	A142E	1	5	STR	21'-3"	22	A236	1	5	STR	33'-0"	34
A3	372	5	STR	40'-0"	15520	A143E	1	5	STR	19'-4"	20	A237	1	5	STR	31'-0"	32
A4	372	5	STR	20'-1"	7792	A144E	1	5	STR	17'-4"	18	A238	1	5	STR	29'-1"	30
A5E	6	6	STR	5'-8"	51	A145E	1	5	STR	15'-5"	16	A239	1	5	STR	27'-1"	28
						A146E	1	5	STR	13'-7"	14	A240	1	5	STR	25'-2"	26
A101E	3	5	STR	5'-1"	16	A147E	1	5	STR	11'-10"	12	A241	1	5	STR	23'-2"	24
A102E	1	5	STR	7'-3"	8	A148E	1	5	STR	10'-1"	11	A242	1	5	STR	21'-3"	22
A103E	1	5	STR	9'-6"	10	A149E	1	5	STR	8'-4"	9	A243	1	5	STR	19'-4"	20
A104E	1	5	STR	11'-8"	12	A150E	1	5	STR	6'-7"	7	A244	1	5	STR	17'-4"	18
A105E	1	5	STR	13'-11"	15	A151E	3	5	STR	4'-10"	15	A245	1	5	STR	15'-5"	16
A106E	1	5	STR	16'-1"	17						A246	1	5	STR	13'-7"	14	
A107E	1	5	STR	18'-3"	19	A201	3	5	STR	5'-1"	16	A247	1	5	STR	11'-10"	12
A108E	1	5	STR	20'-6"	21	A202	1	5	STR	7'-3"	8	A248	1	5	STR	10'-1"	11
A109E	1	5	STR	22'-8"	24	A203	1	5	STR	9'-6"	10	A249	1	5	STR	8'-4"	9
A110E	1	5	STR	24'-11"	26	A204	1	5	STR	11'-8"	12	A250	1	5	STR	6'-7"	7
A111E	1	5	STR	27'-1"	28	A205	1	5	STR	13'-11"	15	A251	3	5	STR	4'-10"	15
A112E	1	5	STR	29'-3"	31	A206	1	5	STR	16'-1"	17						
A113E	1	5	STR	31'-6"	33	A207	1	5	STR	18'-3"	19	B1E	304	4	STR	27'-2"	5517
A114E	1	5	STR	33'-8"	35	A208	1	5	STR	20'-6"	21	B2	252	5	STR	52'-4"	13755
A115E	1	5	STR	35'-10"	37	A209	1	5	STR	22'-8"	24	B3E	2	4	STR	5'-6"	7
A116E	1	5	STR	38'-1"	40	A210	1	5	STR	24'-11"	26	B4	2	5	STR	5'-6"	11
A117E	1	5	STR	40'-3"	42	A211	1	5	STR	27'-1"	28						
A118E	1	5	STR	42'-5"	44	A212	1	5	STR	29'-3"	31	G1E	1	5	STR	56'-1"	58
A119E	1	5	STR	44'-8"	47	A213	1	5	STR	31'-6"	33	G2E	2	5	STR	33'-1"	69
A120E	1	5	STR	46'-10"	49	A214	1	5	STR	33'-8"	35						
A121E	1	5	STR	49'-0"	51	A215	1	5	STR	35'-10"	37	J1E	114	4	4	1'-5"	108
A122E	1	5	STR	51'-3"	53	A216	1	5	STR	38'-1"	40						
A123E	1	5	STR	53'-5"	56	A217	1	5	STR	40'-3"	42	K1E	3	5	1	10'-1"	32
A124E	1	5	STR	55'-7"	58	A218	1	5	STR	42'-5"	44	K2E	12	5	2	14'-2"	177
A125E	1	5	STR	54'-7"	57	A219	1	5	STR	44'-8"	47	K3E	3	5	1	10'-8"	33
A126E	1	5	STR	52'-7"	55	A220	1	5	STR	46'-10"	49	K4E	3	5	1	10'-11"	34
A127E	1	5	STR	50'-8"	53	A221	1	5	STR	49'-0"	51	K5E	12	5	2	15'-8"	196
A128E	1	5	STR	48'-8"	51	A222	1	5	STR	51'-3"	53	K6E	3	5	1	12'-2"	38
A129E	1	5	STR	46'-9"	49	A223	1	5	STR	53'-5"	56						
A130E	1	5	STR	44'-9"	47	A224	1	5	STR	55'-7"	58	S1E	80	4	3	4'-7"	245
A131E	1	5	STR	42'-8"	45	A225	1	5	STR	54'-7"	57						
A132E	1	5	STR	40'-10"	43	A226	1	5	STR	52'-7"	55						
A133E	1	5	STR	38'-10"	41	A227	1	5	STR	50'-8"	53						
A134E	1	5	STR	36'-11"	39	A228	1	5	STR	48'-8"	51						
A135E	1	5	STR	34'-11"	36	A229	1	5	STR	46'-9"	49						
A136E	1	5	STR	33'-0"	34	A230	1	5	STR	44'-9"	47						
A137E	1	5	STR	31'-0"	32	A231	1	5	STR	42'-8"	45						
A138E	1	5	STR	29'-1"	30	A232	1	5	STR	40'-10"	43						
A139E	1	5	STR	27'-1"	28	A233	1	5	STR	38'-10"	41						
A140E	1	5	STR	25'-2"	26	A234	1	5	STR	36'-11"	39						
										REINFORCING STEEL				38,684			
										EPOXY COATED REINFORCING STEEL				31,483			

"E" DENOTES EPOXY COATED REINFORCING STEEL.

SUPERSTRUCTURE BILL OF MATERIAL			
	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU. YDS.)	(LBS.)	(LBS.)
POUR 1	84.7		
POUR 2	69.9		
POUR 3	218.3		
POUR 4	25.5		
TOTALS **	398.4	38,663	31,473

** QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED.

GROOVING BRIDGE FLOORS	
APPROACH SLABS	2,395 SQ.FT.
BRIDGE DECK	9,833 SQ.FT.
TOTAL	12,228 SQ.FT.



Kimley-Horn
421 Fayetteville Street, Suite 600
Raleigh, NC 27601-1772
Phone (919) 677-2000
NC LICENSE # F-0102

NOTES:
ALL DECK CONCRETE IS TO BE SAND-LIGHTWEIGHT CONCRETE WITH A DENSITY OF 120 PCF.
POUR #2 CAN BE POURED AT ANY POINT AFTER THE COMPLETION OF POUR #1. POURS #1 & #2 SHALL NOT BE POURED SIMULTANEOUSLY.

PROJECT NO. U-5806
CABARRUS COUNTY
STATION: 15+75.56 -Y1-
27+06.95 -L-

SHEET 1 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUPERSTRUCTURE BILL OF MATERIAL					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					TOTAL SHEETS
					50

10/23/2017 K:\RD1_Structures\Bridges\NC\01036388 - U-5806 - Final Design\Coord\031_U-5806_BOM01.dgn

DRAWN BY: D. D. LOWERY DATE: 10/17
CHECKED BY: A. L. PHILLIPS DATE: 10/17
DESIGN ENGINEER OF RECORD: S. A. DENNEY DATE: 10/17

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