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wkfischer

NOTES

THE COST OF THE BARRIER RAIL ON THE APPROACH SLAB SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE BID FOR BRIDGE APPROACH SLABS.

APPROACH SLAB SHALL NOT BE CONSTRUCTED PRIOR TO COMPLETION OF THE BRIDGE DECK.

FOR REINFORCED BRIDGE APPROACH FILL INCLUDING FABRIC, IMPERMEABLE GEOMEMBRANE, 102mm Ø DRAINAGE PIPE, #78M STONE, AND SELECT MATERIAL, SEE ROADWAY PLANS.

TEMPORARY DRAINAGE AND TEMPORARY BERM AND SLOPE DRAINS WILL BE PAID FOR UNDER THE LUMP SUM PRICE FOR BRIDGE APPROACH SLAB.

AREA BETWEEN THE WINGWALL AND APPROACH SLAB SHALL BE GRADED TO DRAIN THE WATER AWAY FROM THE FILL FACE OF THE BRIDGE AND SHALL BE PAVED. SEE ROADWAY PLANS.

THE 150mm COMP. A.B.C. SHALL EXTEND 3m BEYOND THE END OF THE APPROACH SLAB AND 300mm OUTSIDE OF EACH EDGE OF THE SLAB.

THE CONTRACTOR MAY USE 100mm TYPE B-25.0B ASPHALT CONCRETE COURSE IN LIEU OF 150mm COMP. A.B.C. IF THIS OPTION IS USED, THE BASE COURSE SHALL EXTEND 300mm BEYOND THE END OF THE APPROACH SLAB AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB.

THE CONTRACTOR MAY USE 125mm CLASS "A" CONCRETE BASE IN LIEU OF 150mm COMP. A.B.C. IF THIS OPTION IS USED, THE CONCRETE BASE SHALL EXTEND 300mm BEYOND THE END OF THE APPROACH SLAB AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB. THE CONCRETE SHALL BE FINISHED TO A SMOOTH SURFACE AND A LAYER OF 13.6 kg. ROOFING FELT SHALL BE PLACED BETWEEN THE CONCRETE BASE AND THE APPROACH SLAB TO PREVENT BOND. THE APPROACH SLAB SHALL NOT BE CAST UNTIL THE CONCRETE BASE HAS REACHED AN AGE OF THREE CURING DAYS.

BILL OF MATERIAL

FOR ONE APPROACH SLAB (2 REQRD.)

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
						✳A138	2	#16	STR	10500	33	A204	2	#13	STR	2220	4	A251	2	#13	STR	6540	13	B208	6	#25	STR	10100	241
✳A101	2	#16	STR	680	2	✳A139	2	#16	STR	10200	32	A205	2	#13	STR	2740	5	A252	2	#13	STR	6240	12	B209	6	#25	STR	10460	249
✳A102	2	#16	STR	1200	4	✳A140	2	#16	STR	9900	31	A206	2	#13	STR	3260	6	A253	2	#13	STR	5940	12	B210	6	#25	STR	10820	258
✳A103	2	#16	STR	1720	5	✳A141	2	#16	STR	9600	30	A207	2	#13	STR	3780	8	A254	2	#13	STR	5620	11	B211	6	#25	STR	11200	267
✳A104	2	#16	STR	2220	7	✳A142	2	#16	STR	9280	29	A208	2	#13	STR	4300	9	A255	2	#13	STR	5320	11	B212	6	#25	STR	11560	276
✳A105	2	#16	STR	2740	9	✳A143	2	#16	STR	8980	28	A209	2	#13	STR	4820	10	A256	2	#13	STR	5020	10	B213	6	#25	STR	11920	284
✳A106	2	#16	STR	3260	10	✳A144	2	#16	STR	8680	27	A210	2	#13	STR	5340	11	A257	2	#13	STR	4720	9	B214	6	#25	STR	12280	293
✳A107	2	#16	STR	3780	12	✳A145	2	#16	STR	8380	26	A211	2	#13	STR	5860	12	A258	2	#13	STR	4400	9	B215	6	#25	STR	12660	302
✳A108	2	#16	STR	4300	13	✳A146	2	#16	STR	8060	25	A212	2	#13	STR	6380	13	A259	2	#13	STR	4100	8	B216	6	#25	STR	13020	310
✳A109	2	#16	STR	4820	15	✳A147	2	#16	STR	7760	24	A213	2	#13	STR	6900	14	A260	2	#13	STR	3800	8	B217	6	#25	STR	13380	319
✳A110	2	#16	STR	5340	17	✳A148	2	#16	STR	7460	23	A214	2	#13	STR	7420	15	A261	2	#13	STR	3500	7						
✳A111	2	#16	STR	5860	18	✳A149	2	#16	STR	7160	22	A215	2	#13	STR	7940	16	A262	2	#13	STR	3180	6	✳B3	7	#16	STR	5120	56
✳A112	2	#16	STR	6380	20	✳A150	2	#16	STR	6840	21	A216	2	#13	STR	8460	17	A263	2	#13	STR	2880	6	✳B4	7	#16	STR	4920	53
✳A113	2	#16	STR	6900	21	✳A151	2	#16	STR	6540	20	A217	2	#13	STR	8980	18	A264	2	#13	STR	2580	5	✳B5	1	#16	3	3820	6
✳A114	2	#16	STR	7420	23	✳A152	2	#16	STR	6240	19	A218	4	#13	STR	5020	20	A265	2	#13	STR	2280	5	✳B6	1	#16	3	3060	5
✳A115	2	#16	STR	7940	25	✳A153	2	#16	STR	5940	18	A219	4	#13	STR	5280	21	A266	2	#13	STR	1960	4						
✳A116	2	#16	STR	8460	26	✳A154	2	#16	STR	5620	17	A220	4	#13	STR	5540	22	A267	2	#13	STR	1660	3	✳G1	2	#16	STR	11140	35
✳A117	2	#16	STR	8980	28	✳A155	2	#16	STR	5320	17	A221	4	#13	STR	5800	23	A268	2	#13	STR	1360	3	✳G2	1	#16	STR	17520	27
✳A118	2	#16	STR	9500	29	✳A156	2	#16	STR	5020	16	A222	4	#13	STR	6060	24	A269	2	#13	STR	1060	2	✳G3	8	#16	STR	1000	12
✳A119	2	#16	STR	10020	31	✳A157	2	#16	STR	4720	15	A223	4	#13	STR	6320	25	A270	2	#13	STR	740	1						
✳A120	2	#16	STR	10540	33	✳A158	2	#16	STR	4400	14	A224	4	#13	STR	6580	26	A271	2	#13	STR	600	1	✳S1	76	#16	STR	980	116
✳A121	2	#16	STR	11060	34	✳A159	2	#16	STR	4100	13	A225	4	#13	STR	6740	27							✳S2	42	#16	1	1220	80
✳A122	2	#16	STR	11580	36	✳B160	2	#16	STR	3800	12	A226	4	#13	STR	6840	27	✳B101	6	#19	STR	7360	99	✳S3	29	#16	2	680	31
✳A123	2	#16	STR	12100	38	✳A161	2	#16	STR	3500	11	A227	8	#13	STR	6940	55	✳B102	6	#19	STR	7720	104						
✳A124	2	#16	STR	12620	39	✳A162	2	#16	STR	3180	10	A228	4	#13	STR	7060	28	✳B103	6	#19	STR	8100	109						
✳A125	2	#16	STR	12920	40	✳A163	2	#16	STR	2880	9	A229	4	#13	STR	6900	27	✳B104	6	#19	STR	8460	113						
✳A126	2	#16	STR	13120	41	✳A164	2	#16	STR	2580	8	A230	4	#13	STR	6740	27	✳B105	6	#19	STR	8820	118						
✳A127	4	#16	STR	13340	83	✳A165	2	#16	STR	2280	7	A231	4	#13	STR	6600	26	✳B106	6	#19	STR	9200	123						
✳A128	2	#16	STR	13560	42	✳A166	2	#16	STR	1960	6	A232	4	#13	STR	6440	26	✳B107	6	#19	STR	9560	128						
✳A129	2	#16	STR	13260	41	✳A167	2	#16	STR	1660	5	A233	4	#13	STR	6300	25	✳B108	6	#19	STR	9920	133						
✳A130	2	#16	STR	12940	40	✳A168	2	#16	STR	1360	4	A234	4	#13	STR	6140	24	✳B109	6	#19	STR	10280	138						
✳A131	2	#16	STR	12640	39	✳A169	2	#16	STR	1060	3	A235	4	#13	STR	5980	24	✳B110	6	#19	STR	10660	143						
✳A132	2	#16	STR	12340	38	✳A170	2	#16	STR	740	2	A236	4	#13	STR	5840	23	✳B111	6	#19	STR	11020	148						
✳A133	2	#16	STR	12040	37	✳A171	2	#16	STR	600	2	A237	4	#13	STR	5680	23	✳B112	6	#19	STR	11380	153						
✳A134	2	#16	STR	11720	36							A238	4	#13	STR	5520	22	✳B113	6	#19	STR	11760	158						
✳A135	2	#16	STR	11420	35	A201	2	#13	STR	680	1	A239	4	#13	STR	5380	21	✳B114	6	#19	STR	12120	163						
✳A136	2	#16	STR	11120	35	A202	2	#13	STR	1200	2	A240	4	#13	STR	5220	21	✳B115	6	#19	STR	12480	167						
✳A137	2	#16	STR	10820	34	A203	2	#13	STR	1720	3	A241	4	#13	STR	5080	20	✳B116	6	#19	STR	12840	172						
												A242	4	#13	STR	4920	20	✳B117	6	#19	STR	13220	177						
												A243	2	#13	STR	8980	18												
												A244	2	#13	STR	8680	17	B201	6	#25	STR	7540	180						
												A245	2	#13	STR	8380	17	B202	6	#25	STR	7900	188						
												A246	2	#13	STR	8060	16	B203	6	#25	STR	8260	197						
												A247	2	#13	STR	7760	15	B204	6	#25	STR	8640	206						
												A248	2	#13	STR	7460	15	B205	6	#25	STR	9000	215						
												A249	2	#13	STR	7160	14	B206	6	#25	STR	9360	223						
												A250	2	#13	STR	6840	14	B207	6	#25	STR	9740	232						

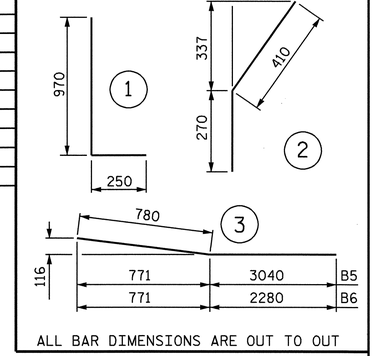
REINFORCING STEEL = 5303 KG

✳EPOXY COATED REINF. STEEL = 4382 KG

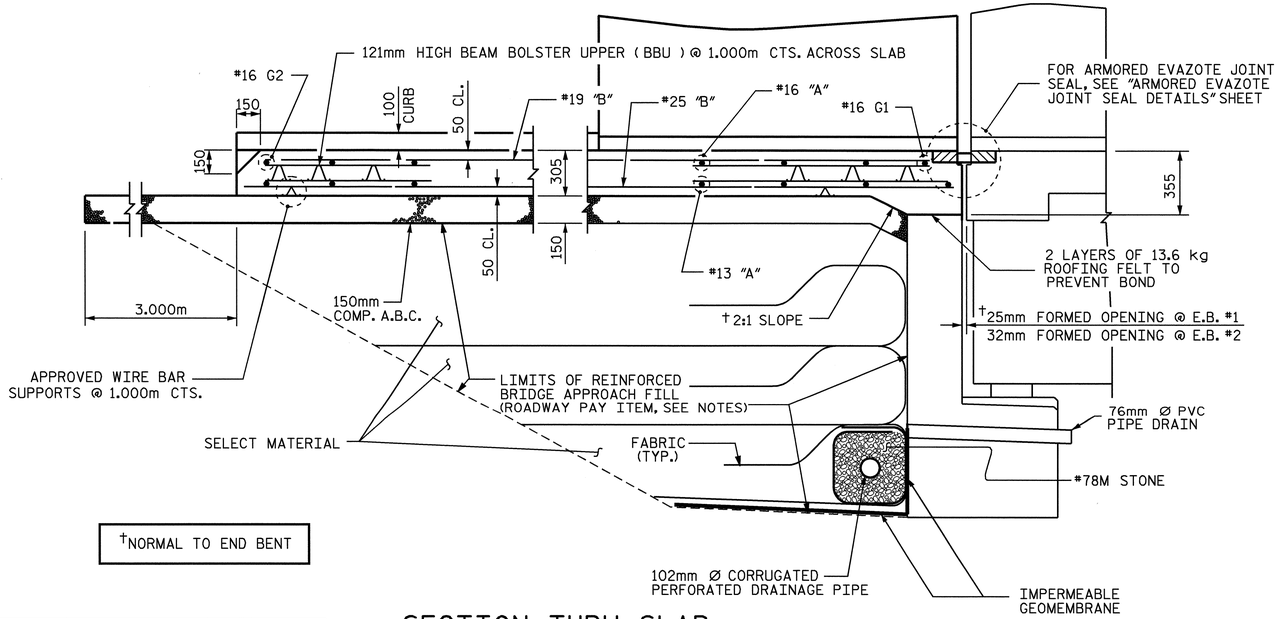
CLASS AA CONCRETE BREAKDOWN

POUR 1	SLAB & CURBS	C. M. 50.4
POUR 2	RAIL	C. M. 2.4
CLASS AA CONCRETE		C. M. 52.8

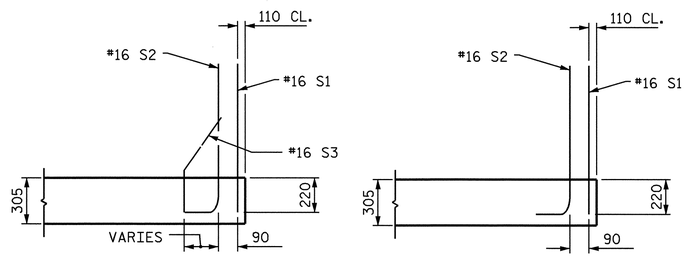
BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

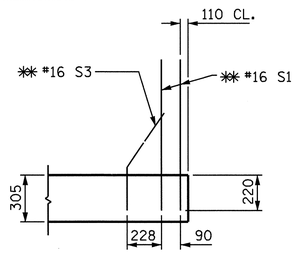


SECTION THRU SLAB



SECTION L-L

SECTION M-M



SECTION K-K

✳✳ ADHESIVELY ANCHORED

08/20/04

PROJECT NO. R-513BA

ROBESON COUNTY

STATION: 113+73.429 -L-

SHEET 2 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE APPROACH SLAB WITH BARRIER RAIL

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-118
1			3			TOTAL SHEETS
2			4			172

ASSEMBLED BY : W.K. FISCHER	DATE : 3/26/04	ADDED 12/01	
CHECKED BY : S. WANCE	DATE : 5/13/04	REV. 5/7/03	RWW/JTE
DRAWN BY : RWW 8/01			
CHECKED BY : LES 8/01			

STR #2 REV. STD. NO. BAS5SM