BILL OF MATERIAL

FOR ONE APPROACH SLAB (2 REQ'D)

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	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A1	49	#16	STR	12620	960	A207	2	#13	STR	5440	11	✳ B117	2	#19	STR	9400	42	✳ B140	2	#19	STR	7560	34	B220	2	#25	STR	9320	74	A3	8	#16	STR	900	11
						A208	2	#13	STR	4320	9	✳ B118	2	#19	STR	9320	42	✳ B141	2	#19	STR	7480	33	B221	2	#25	STR	9240	73						
✳ A101	2	#16	STR	12160	38	A209	2	#13	STR	3200	6	✳ B119	2	#19	STR	9240	41	✳ B142	2	#19	STR	7400	33	B222	2	#25	STR	9160	73	✳ B1	1	#16	3	1980	3
✳ A102	2	#16	STR	11040	34	A210	2	#13	STR	2080	4	✳ B120	2	#19	STR	9160	41							B223	2	#25	STR	9080	72	✳ B2	1	#16	3	1900	3
✳ A103	2	#16	STR	9920	31	A211	2	#13	STR	960	2	✳ B121	2	#19	STR	9080	41	B201	2	#25	STR	10840	86	B224	2	#25	STR	9000	72	✳ B3	7	#16	STR	3520	38
✳ A104	2	#16	STR	8800	27	A212	1	#13	STR	400	1	✳ B122	2	#19	STR	9000	40	B202	2	#25	STR	10760	85	B225	2	#25	STR	8920	71	✳ B4	7	#16	STR	3560	39
✳ A105	2	#16	STR	7680	24							✳ B123	2	#19	STR	8920	40	B203	2	#25	STR	10680	85	B226	2	#25	STR	8840	70	B5	6	#16	STR	1100	10
✳ A106	2	#16	STR	6560	20	✳ B101	2	#19	STR	10680	48	✳ B124	2	#19	STR	8840	40	B204	2	#25	STR	10600	84	B227	2	#25	STR	8760	70						
✳ A107	2	#16	STR	5440	17	✳ B102	2	#19	STR	10600	47	✳ B125	2	#19	STR	8760	39	B205	2	#25	STR	10520	84	B228	2	#25	STR	8680	69	✳ G1	1	#16	STR	13120	20
✳ A108	2	#16	STR	4320	13	✳ B103	2	#19	STR	10520	47	✳ B126	2	#19	STR	8680	39	B206	2	#25	STR	10440	83	B229	2	#25	STR	8600	68						
✳ A109	2	#16	STR	3200	10	✳ B104	2	#19	STR	10440	47	✳ B127	2	#19	STR	8600	38	B207	2	#25	STR	10360	82	B230	2	#25	STR	8520	68	✳ S1	58	#16	STR	1020	92
✳ A110	2	#16	STR	2080	6	✳ B105	2	#19	STR	10360	46	✳ B128	2	#19	STR	8520	38	B208	2	#25	STR	10280	82	B231	2	#25	STR	8440	67	✳ S2	42	#16	1	1260	82
✳ A111	2	#16	STR	960	3	✳ B106	2	#19	STR	10280	46	✳ B129	2	#19	STR	8440	38	B209	2	#25	STR	10200	81	B232	2	#25	STR	8360	66	✳ S3	20	#16	2	720	22
✳ A112	1	#16	STR	400	1	✳ B107	2	#19	STR	10200	46	✳ B130	2	#19	STR	8360	37	B210	2	#25	STR	10120	80	B233	2	#25	STR	8280	66						
						✳ B108	2	#19	STR	10120	45	✳ B131	2	#19	STR	8280	37	B211	2	#25	STR	10040	80	B234	2	#25	STR	8200	65	REINFORCING STEEL = 3884 KG					
A2	98	#13	STR	6620	645	✳ B109	2	#19	STR	10040	45	✳ B132	2	#19	STR	8200	37	B212	2	#25	STR	9960	79	B235	2	#25	STR	8120	65	✳ EPOXY COATED REINF. STEEL = 3181 KG					
						✳ B110	2	#19	STR	9960	45	✳ B133	2	#19	STR	8120	36	B213	2	#25	STR	9880	79	B236	2	#25	STR	8040	64						
A201	4	#13	STR	6360	25	✳ B111	2	#19	STR	9880	44	✳ B134	2	#19	STR	8040	36	B214	2	#25	STR	9800	78	B237	2	#25	STR	7960	63	CLASS AA CONCRETE BREAKDOWN					
A202	4	#13	STR	5800	23	✳ B112	2	#19	STR	9800	44	✳ B135	2	#19	STR	7960	36	B215	2	#25	STR	9720	77	B238	2	#25	STR	7880	63						
A203	4	#13	STR	5240	21	✳ B113	2	#19	STR	9720	43	✳ B136	2	#19	STR	7880	35	B216	2	#25	STR	9640	77	B239	2	#25	STR	7800	62	POUR 1 SLAB = 37.8m³					
A204	2	#13	STR	8800	17	✳ B114	2	#19	STR	9640	43	✳ B137	2	#19	STR	7800	35	B217	2	#25	STR	9560	76	B240	2	#25	STR	7720	61	POUR 2 RAIL = 1.8m³					
A205	2	#13	STR	7680	15	✳ B115	2	#19	STR	9560	43	✳ B138	2	#19	STR	7720	35	B218	2	#25	STR	9480	75	B241	2	#25	STR	7640	61	TOTAL CLASS AA CONCRETE = 39.6m³					
A206	2	#13	STR	6560	13	✳ B116	2	#19	STR	9480	42	✳ B139	2	#19	STR	7640	34	B219	2	#25	STR	9400	75	B242	2	#25	STR	7560	60						

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.

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.

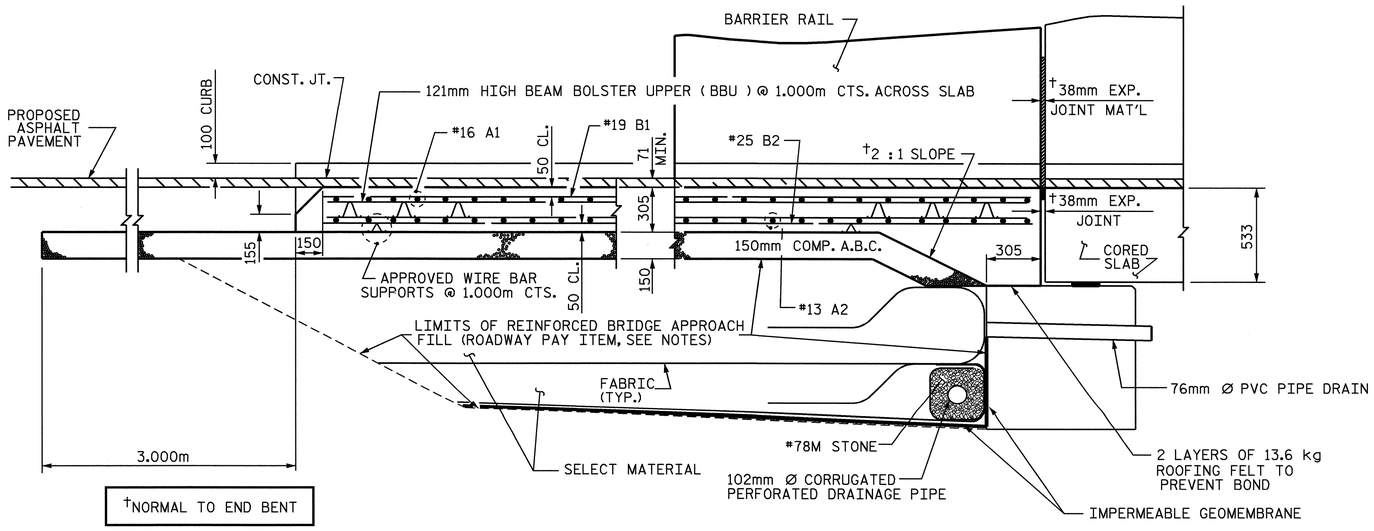
THE CONTRACTOR MAY USE 100mm TYPE B-25.0B ASPHALT CONCRETE COURSE IN LIEU OF 150mm COMP. A.B.C. IF THIS OPTION IS USED, THE BASE COURSE SHALL EXTEND 300mm BEYOND THE END OF THE APPROACH SLAB AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB.

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.

FOR JOINT DETAILS, SEE "PRESTRESSED CONCRETE CORED SLAB UNIT" SHEETS.

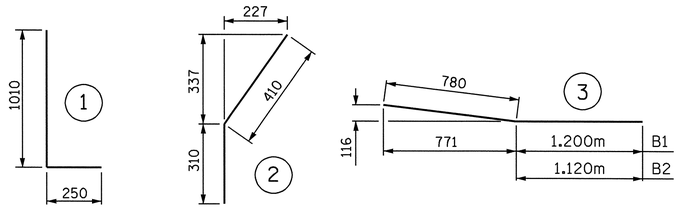
THE JOINT AT THE END BENT SHALL BE SEALED AS SOON AS PRACTICAL AFTER THE CONSTRUCTION OF THE APPROACH SLABS.

APPROACH SLAB GROOVING IS NOT REQUIRED.

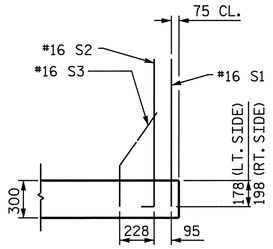


SECTION THRU SLAB

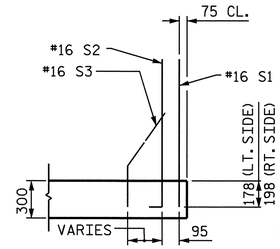
BAR TYPES



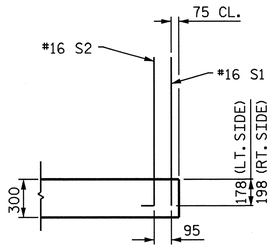
ALL BAR DIMENSIONS ARE OUT TO OUT



SECTION K-K



SECTION L-L



SECTION M-M

PROJECT NO. R-2514A

ONSLOW COUNTY

STATION: 182+87.400-L-MED

SHEET 1 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE APPROACH SLAB FOR PRESTRESSED CONCRETE CORED SLAB WITH BARRIER RAIL (RIGHT LANE)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-43
1			3			TOTAL SHEETS
2			4			46

NORTH CAROLINA PROFESSIONAL SEAL 15825 ENGINEER BRUCE D. KLAPPENBACH
7-28-04

STR. #2

DRAWN BY : J.B. WILSON DATE : 5/04
CHECKED BY : G.M. PATTERSON DATE : 7/04

28-JUL-2004 09:52
w:\squad1\R2514a\Strland2\jbwilson\Microstation\R-2514A_sd_AS_02.dgn
bklappenbach