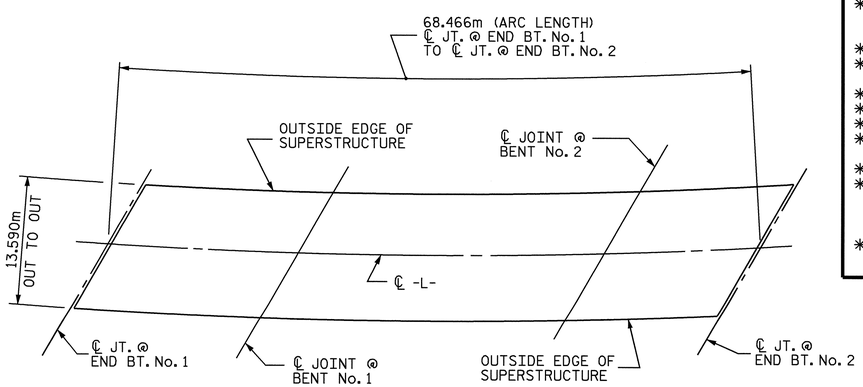
SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS

BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPET, AND BARRIER RAIL		APPROACH SLABS		PARAPET AND BARRIER RAIL
	EPOXY COATED	UNCOATED	EPOXY COATED	UNCOATED	
#13	610	540	610	540	840
#16	770	660	770	660	1050
#19	920	790	1190	790	1330
#22	1580	1060			
#25	2080	1390			



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB
(SQ. METER = 930.5)

REINFORCING BAR SCHEDULE

SPAN "A"

BAR	No.	SIZE	TYPE	LENGTH	WEIGHT
✳ A1	81	#16	STR.	13480	1695
A2	81	#16	STR.	13480	1695
✳ A101	3	#16	STR.	12360	58
✳ A102	3	#16	STR.	11460	53
✳ A103	3	#16	STR.	10580	49
✳ A104	3	#16	STR.	9680	45
✳ A105	3	#16	STR.	8780	41
✳ A106	3	#16	STR.	7900	37
✳ A107	3	#16	STR.	7000	33
✳ A108	3	#16	STR.	6100	28
✳ A109	3	#16	STR.	5200	24
✳ A110	3	#16	STR.	4320	20
✳ A111	3	#16	STR.	3420	16
✳ A112	3	#16	STR.	2520	12
✳ A113	3	#16	STR.	1620	8
✳ A114	3	#16	STR.	720	3
✳ A115	3	#16	STR.	12280	57
✳ A116	3	#16	STR.	11320	53
✳ A117	3	#16	STR.	10360	48
✳ A118	3	#16	STR.	9400	44
✳ A119	3	#16	STR.	8440	39
✳ A120	3	#16	STR.	7480	35
✳ A121	3	#16	STR.	6540	30
✳ A122	3	#16	STR.	5580	26
✳ A123	3	#16	STR.	4620	22
✳ A124	3	#16	STR.	3660	17
✳ A125	3	#16	STR.	2700	13
✳ A126	3	#16	STR.	1760	8
✳ A127	3	#16	STR.	800	4
A201	3	#16	STR.	12640	59
A202	3	#16	STR.	11740	55
A203	3	#16	STR.	10860	51
A204	3	#16	STR.	9960	46
A205	3	#16	STR.	9060	42
A206	3	#16	STR.	8180	38
A207	3	#16	STR.	7280	34
A208	3	#16	STR.	6380	30
A209	3	#16	STR.	5480	26
A210	3	#16	STR.	4600	21
A211	3	#16	STR.	3700	17
A212	3	#16	STR.	2800	13
A213	3	#16	STR.	1900	9
A214	3	#16	STR.	1000	5
A215	3	#16	STR.	12560	58
A216	3	#16	STR.	11600	54
A217	3	#16	STR.	10640	50
A218	3	#16	STR.	9680	45
A219	3	#16	STR.	8720	41
A220	3	#16	STR.	7760	36
A221	3	#16	STR.	6820	32
A222	3	#16	STR.	5860	27
A223	3	#16	STR.	4900	23
A224	3	#16	STR.	3940	18
A225	3	#16	STR.	2980	14
A226	3	#16	STR.	2040	9
A227	3	#16	STR.	1080	5
✳ B1	93	#13	STR.	7000	647
B2	108	#16	STR.	10280	1723
✳ G1	4	#16	STR.	8420	52
✳ G2	6	#19	STR.	2000	27
✳ K1	6	#16	1	2440	23
✳ K2	18	#16	2	2460	69
✳ K3	24	#16	STR.	3080	115
✳ K4	6	#16	1	2140	20
✳ S1	36	#13	3	1380	49
✳ S2	36	#13	3	1260	45

REINFORCING STEEL 4,276 kg

✳ EPOXY COATED REINFORCING STEEL 3,565 kg

SPAN "B"

BAR	No.	SIZE	TYPE	LENGTH	WEIGHT
✳ A1	154	#16	STR.	13480	3222
A2	154	#16	STR.	13480	3222
✳ A128	3	#16	STR.	12480	58
✳ A129	3	#16	STR.	11700	54
✳ A130	3	#16	STR.	10900	51
✳ A131	3	#16	STR.	10100	47
✳ A132	3	#16	STR.	9320	43
✳ A133	3	#16	STR.	8520	40
✳ A134	3	#16	STR.	7740	36
✳ A135	3	#16	STR.	6940	32
✳ A136	3	#16	STR.	6140	29
✳ A137	3	#16	STR.	5360	25
✳ A138	3	#16	STR.	4560	21
✳ A139	3	#16	STR.	3760	18
✳ A140	3	#16	STR.	2960	14
✳ A141	3	#16	STR.	2180	10
✳ A142	3	#16	STR.	1380	6
✳ A143	3	#16	STR.	12380	58
✳ A144	3	#16	STR.	11500	54
✳ A145	3	#16	STR.	10620	49
✳ A146	3	#16	STR.	9740	45
✳ A147	3	#16	STR.	8880	41
✳ A148	3	#16	STR.	8000	37
✳ A149	3	#16	STR.	7120	33
✳ A150	3	#16	STR.	6260	29
✳ A151	3	#16	STR.	5380	25
✳ A152	3	#16	STR.	4500	21
✳ A153	3	#16	STR.	3640	17
✳ A154	3	#16	STR.	2760	13
✳ A155	3	#16	STR.	1880	9
✳ A156	3	#16	STR.	1020	5
A228	3	#16	STR.	12760	59
A229	3	#16	STR.	11980	56
A230	3	#16	STR.	11180	52
A231	3	#16	STR.	10380	48
A232	3	#16	STR.	9600	45
A233	3	#16	STR.	8800	41
A234	3	#16	STR.	8020	37
A235	3	#16	STR.	7220	34
A236	3	#16	STR.	6420	30
A237	3	#16	STR.	5640	26
A238	3	#16	STR.	4840	23
A239	3	#16	STR.	4040	19
A240	3	#16	STR.	3240	15
A241	3	#16	STR.	2460	11
A242	3	#16	STR.	1660	8
A243	3	#16	STR.	12660	59
A244	3	#16	STR.	11780	55
A245	3	#16	STR.	10900	51
A246	3	#16	STR.	10020	47
A247	3	#16	STR.	9160	43
A248	3	#16	STR.	8280	39
A249	3	#16	STR.	7400	34
A250	3	#16	STR.	6540	30
A251	3	#16	STR.	5660	26
A252	3	#16	STR.	4780	22
A253	3	#16	STR.	3920	18
A254	3	#16	STR.	3040	14
A255	3	#16	STR.	2160	10
A256	3	#16	STR.	1300	6
✳ B3	124	#13	STR.	8560	1055
B4	108	#16	STR.	16580	2779
✳ G1	4	#16	STR.	8420	52
✳ G2	6	#19	STR.	2000	27
✳ K5	6	#16	1	2520	23
✳ K6	18	#16	2	2540	71
✳ K7	24	#16	STR.	3160	118
✳ K8	6	#16	1	2200	20
✳ S2	72	#13	3	1260	90

REINFORCING STEEL 6,959 kg

✳ EPOXY COATED REINFORCING STEEL 5,598 kg

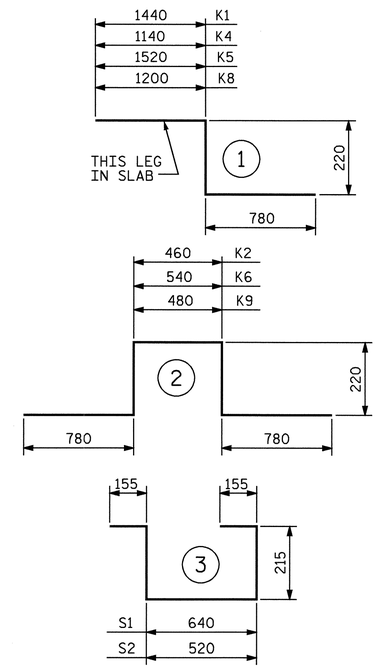
SPAN "C"

BAR	No.	SIZE	TYPE	LENGTH	WEIGHT
✳ A1	48	#16	STR.	13480	1004
A2	48	#16	STR.	13480	1004
✳ A157	3	#16	STR.	12540	58
✳ A158	3	#16	STR.	11800	55
✳ A159	3	#16	STR.	11060	51
✳ A160	3	#16	STR.	10340	48
✳ A161	3	#16	STR.	9600	45
✳ A162	3	#16	STR.	8860	41
✳ A163	3	#16	STR.	8120	38
✳ A164	3	#16	STR.	7380	34
✳ A165	3	#16	STR.	6640	31
✳ A166	3	#16	STR.	5900	27
✳ A167	3	#16	STR.	5160	24
✳ A168	3	#16	STR.	4420	21
✳ A169	3	#16	STR.	3680	17
✳ A170	3	#16	STR.	2940	14
✳ A171	3	#16	STR.	2200	10
✳ A172	3	#16	STR.	1440	7
✳ A173	3	#16	STR.	700	3
✳ A174	3	#16	STR.	12500	58
✳ A175	3	#16	STR.	11720	55
✳ A176	3	#16	STR.	10940	51
✳ A177	3	#16	STR.	10160	47
✳ A178	3	#16	STR.	9400	44
✳ A179	3	#16	STR.	8620	40
✳ A180	3	#16	STR.	7840	37
✳ A181	3	#16	STR.	7060	33
✳ A182	3	#16	STR.	6300	29
✳ A183	3	#16	STR.	5520	26
✳ A184	3	#16	STR.	4740	22
✳ A185	3	#16	STR.	3980	19
✳ A186	3	#16	STR.	3200	15
✳ A187	3	#16	STR.	2420	11
✳ A188	3	#16	STR.	1660	8
✳ A189	3	#16	STR.	880	4
A257	3	#16	STR.	12820	60
A258	3	#16	STR.	12080	56
A259	3	#16	STR.	11340	53
A260	3	#16	STR.	10620	49
A261	3	#16	STR.	9880	46
A262	3	#16	STR.	9140	43
A263	3	#16	STR.	8400	39
A264	3	#16	STR.	7660	36
A265	3	#16	STR.	6920	32
A266	3	#16	STR.	6180	29
A267	3	#16	STR.	5440	25
A268	3	#16	STR.	4700	22
A269	3	#16	STR.	3960	18
A270	3	#16	STR.	3220	15
A271	3	#16	STR.	2480	12
A272	3	#16	STR.	1720	8
A273	3	#16	STR.	980	5
A274	3	#16	STR.	12780	60
A275	3	#16	STR.	12000	56
A276	3	#16	STR.	11220	52
A277	3	#16	STR.	10440	49
A278	3	#16	STR.	9680	45
A279	3	#16	STR.	8900	41
A280	3	#16	STR.	8120	38
A281	3	#16	STR.	7340	34
A282	3	#16	STR.	6580	31
A283	3	#16	STR.	5800	27
A284	3	#16	STR.	5020	23
A285	3	#16	STR.	4260	20
A286	3	#16	STR.	3480	16
A287	3	#16	STR.	2700	13
A288	3	#16	STR.	1940	9
A289	3	#16	STR.	1160	5
✳ B5	62	#13	STR.	8380	516
B6	108	#16	STR.	8460	1418
✳ G1	4	#16	STR.	8420	52
✳ G2	6	#19	STR.	2000	27
✳ K5	6	#16	1	2520	23
✳ K8	6	#16	1	2200	20
✳ K9	18	#16	2	2480	69
✳ K10	24	#16	STR.	3240	121
✳ S1	36	#13	3	1380	49
✳ S2	36	#13	3	1260	45

REINFORCING STEEL 3,489 kg

✳ EPOXY COATED REINFORCING STEEL 2,949 kg

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(m^3)	(kg)	(kg)
SPAN "A"	72.7	4,276	3,565
SPAN "B"	117.4	6,959	5,598
SPAN "C"	59.9	3,489	2,949
TOTALS✳✳	250.0	14,724	12,112

✳✳ QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

GROOVING BRIDGE FLOORS

APPROACH SLABS	175.4	SQ.METER
BRIDGE DECK	809.9	SQ.METER
TOTAL	985.3	SQ.METER

PROJECT NO. B-1019
ANSON COUNTY
STATION: 14+94.156 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
SUPERSTRUCTURE BILL OF MATERIAL

NORTH CAROLINA PROFESSIONAL SEAL 23926 ENGINEER BRIAN C. HANKS
7/1/04

REVISIONS								SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:			S-20
1			3					TOTAL SHEETS
2			4					35

ASSEMBLED BY : MIKE BRITT/KWA DATE : 10-30-02
CHECKED BY : W.C. CARTER DATE : 11-03
DRAWN BY : JMB 5/87
CHECKED BY : SJD 9/87
REV. 5/16/97 EEM/RGW

STD. NO. BOM1SM