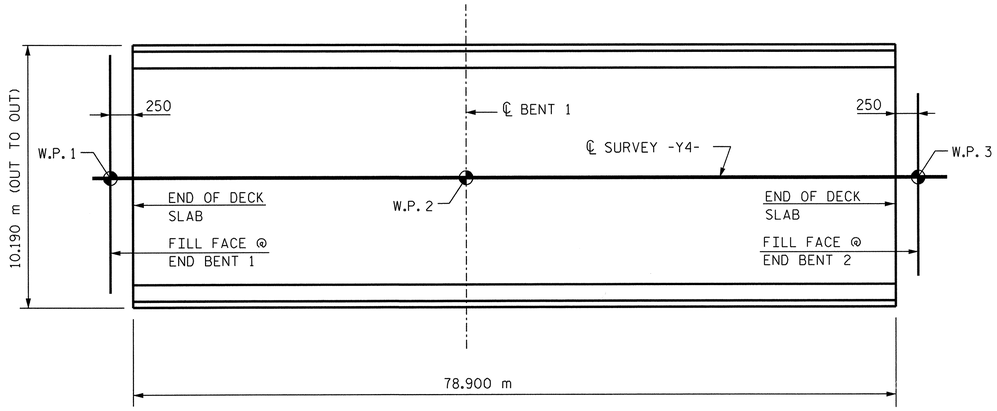

LAYOUT FOR COMPUTING AREA
OF REINFORCED CONCRETE DECK SLAB
(SQ. METER = 804.0)

GROOVING BRIDGE FLOORS	
APPROACH SLABS	125.4 SQ.METER
BRIDGE DECK	653.3 SQ.METER
TOTAL	778.7 SQ.METER

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			

REINFORCING BAR SCHEDULE

SPANS A & B

EPOXY COATED						NON-EPOXY COATED					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
AE1	464	16	STR	10080	7,259	A1	464	16	STR	10080	7,259
BE1	75	13	STR	6680	498	B1	200	16	STR	16340	5,072
BE2	98	19	STR	13120	2,874						
BE3	125	13	STR	7720	959						

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU.METER)	(kg)	(kg)
SPANS A & B		12,331	11,590
POUR 1	45.2	——	——
POUR 2	59.8	——	——
POUR 3	91.3	——	——
POUR 4	27.1	——	——
POUR 5	27.0	——	——
TOTALS **	250.4	12,331	11,590

** QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

PROJECT NO. R-2552AA
WAKE / JOHNSTON COUNTY
STATION: 27+61.028 -L- P.O.T.

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
SUPERSTRUCTURE
BILL OF MATERIAL

JANUARY 2005

DWG. NO. 16

NORTH CAROLINA PROFESSIONAL SEAL 24497 ENGINEER RICKY D. FAUTEUX
2/21/05

RUMMEL, KLEPPER & KAHL, LLP
consulting engineers
5800 FARINGDON PLACE - SUITE 105
RALEIGH, NORTH CAROLINA 27609-3960

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-243
1			3			TOTAL SHEETS
2			4			429

ASSEMBLED BY : B. PARRISH DATE : 01/05
CHECKED BY : R. D. FAUTEUX DATE : 01/05
DRAWN BY : JMB 5/87 REV. 5/16/97 EEM/RGW
CHECKED BY : SJD 9/87

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