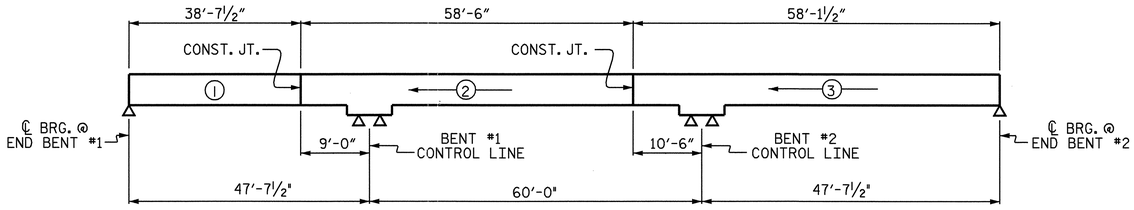
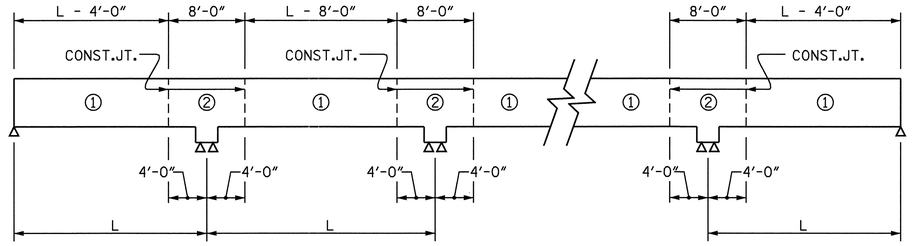


3 SPANS

POURING SEQUENCE-PRESTRESSED CONCRETE SUPERSTRUCTURE

(CONTINUOUS FOR LIVE LOAD)



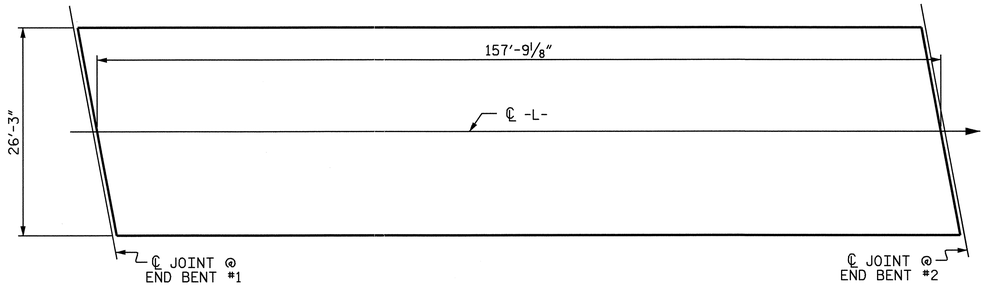
KEY

L = LENGTH OF EACH SPAN

✱ POUR ② CAN NOT BE STARTED UNTIL BOTH ADJACENT ① POURS REACH A MINIMUM OF 3000 PSI.

OPTIONAL POURING SEQUENCE-PRESTRESSED CONCRETE SUPERSTRUCTURE

(CONTINUOUS FOR LIVE LOAD)



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB (SQ. FT. = 4141)

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"	—	—	—

ASSEMBLED BY : S.H. SOCKWELL	DATE: S.H. SOCKWELL
CHECKED BY : J.G. KHARVA	DATE: 2/28/02
DRAWN BY : JMB 5/87	REV. 6/1/94 EEM/GRP
CHECKED BY : SJD 9/87	

BILL OF MATERIAL

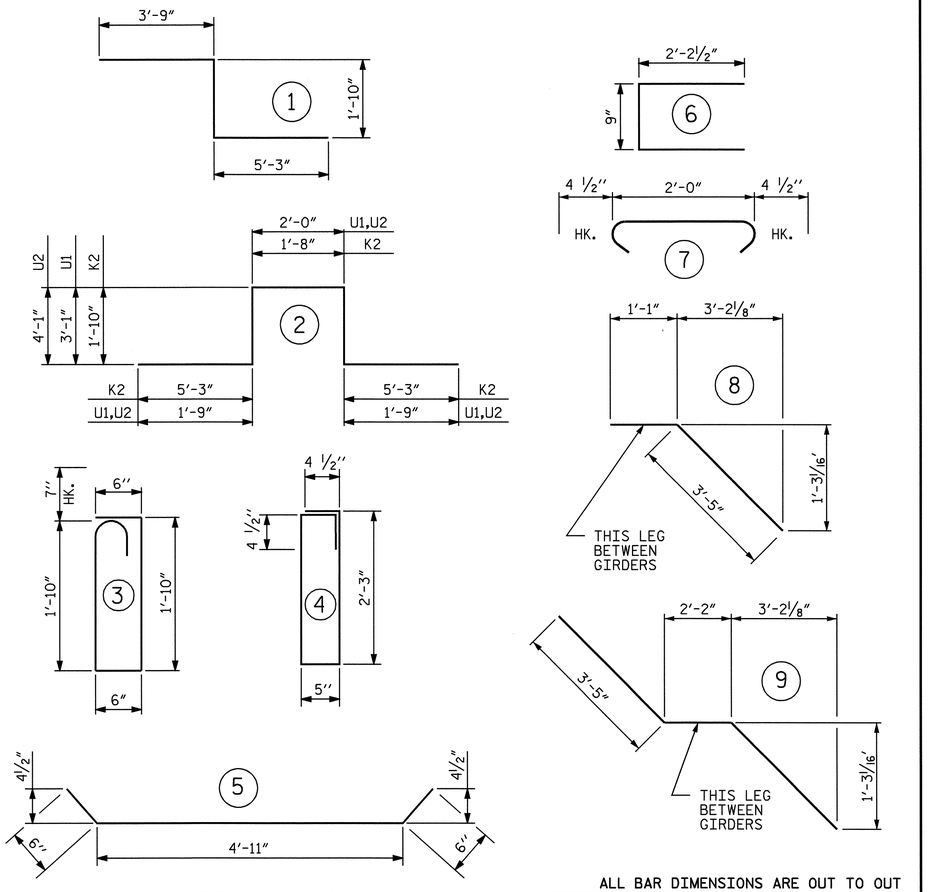
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
▲ A1	604	#6	STR	25'-11"	5823
▲ A2	604	#7	STR	25'-11"	7780
▲ A3	626	#5	STR	4'-5"	713
▲ A101	2	#6	STR	24'-11"	19
▲ A102	2	#6	STR	23'-0"	17
▲ A103	2	#6	STR	21'-2"	16
▲ A104	2	#6	STR	19'-3"	14
▲ A105	2	#6	STR	17'-5"	13
▲ A106	2	#6	STR	15'-7"	12
▲ A107	2	#6	STR	13'-8"	10
▲ A108	2	#6	STR	11'-10"	9
▲ A109	2	#6	STR	9'-11"	7
▲ A110	2	#6	STR	8'-1"	6
▲ A111	2	#6	STR	6'-3"	5
▲ A112	6	#6	STR	4'-4"	10
▲ A201	2	#7	STR	24'-11"	102
▲ A202	2	#7	STR	23'-0"	94
▲ A203	2	#7	STR	21'-2"	87
▲ A204	2	#7	STR	19'-3"	79
▲ A205	2	#7	STR	17'-5"	71
▲ A206	2	#7	STR	15'-7"	64
▲ A207	2	#7	STR	13'-8"	56
▲ A208	2	#7	STR	11'-10"	48
▲ A209	2	#7	STR	9'-11"	41
▲ A210	2	#7	STR	8'-1"	33
▲ A211	2	#7	STR	6'-3"	26
▲ A212	6	#7	STR	4'-4"	53
▲ B1	104	#6	STR	45'-1"	1744
▲ B2	104	#8	STR	18'-0"	1348
▲ B3	52	#6	STR	49'-8"	961
▲ B4	138	#6	STR	54'-10"	2815
✱ G1	2	#5	STR	27'-0"	56
✱ K1	8	#8	1	10'-10"	231
✱ K2	8	#8	2	15'-10"	338
K3	12	#6	STR	5'-3"	95
K4	18	#5	STR	5'-1"	95
K5	18	#5	5	5'-11"	111
K6	12	#4	STR	3'-8"	29
K7	12	#4	STR	5'-3"	42
K8	24	#4	STR	6'-0"	96
K9	16	#4	8	4'-6"	48
K10	16	#4	9	9'-0"	96
✱ S1	30	#5	3	5'-3"	164
✱ S2	30	#4	6	5'-2"	104
S3	36	#4	4	6'-1"	146
S4	96	#4	7	2'-9"	176
U1	12	#4	2	11'-8"	94
U2	24	#4	2	13'-8"	219

REINFORCING STEEL =	1247 LBS
✱ EPOXY COATED REINF. STEEL =	893 LBS
▲ GLASS FIBER REINFORCED POLYMER	21946 LBS

FOR "GLASS FIBER REINFORCED POLYMER", SEE SPECIAL PROVISIONS.

THE CONTRACTOR'S ATTENTION IS BROUGHT TO THE FACT THAT THE "A" AND "B" BARS IN THE "REINFORCED CONCRETE DECK SLAB" ARE BEING PAID FOR AS "GLASS FIBER REINFORCED POLYMER" AND SHALL NOT BE INCLUDED IN THE SQUARE FOOT COST OF "REINFORCED CONCRETE DECK SLAB". ALL OTHER REINFORCING STEEL SHOWN IN THE SUPERSTRUCTURE BILL OF MATERIAL SHALL BE INCLUDED IN THE PAY ITEM "REINFORCED CONCRETE DECK SLAB."

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE			REINFORCING STEEL	EPOXY COATED REINFORCING STEEL	GLASS FIBER REINFORCED POLYMER
	(CU. YDS.)			(LBS.)	(LBS.)	(LBS.)
	POUR #1	POUR #2	POUR #3			
SPANS A, B, &C	33.8	54.4	55.2	1476	664	21460
TOTALS✱✱	143.4			1476	664	21460

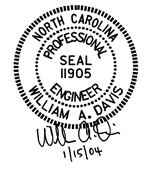
✱✱ QUANTITIES FOR PARAPET ARE NOT INCLUDED

GROOVING BRIDGE FLOOR	
SUPERSTRUCTURE	3308 SQ.FT.

PROJECT NO. B-3485

MACON COUNTY

STATION: 15+52.00-L-



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
SUPERSTRUCTURE
BILL OF MATERIAL

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-19
1			3			TOTAL SHEETS
2			4			32

STD. NO. BOM2