SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(cu. meters)	(kg.)	(kg.)
SPAN "A"	109.6	6,226	5,531
ENDWALL	69.6	1,932	408
TOTALS **	179.2	8,158	5,939

** QUANTITIES FOR CONCRETE BARRIER RAIL ARE NOT INCLUDED.

ENDWALL BILL OF MATERIAL

	CLASS AA CONCRETE (X)	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(cu. meters)	(kg.)	(kg.)
END BENT NO. 1	34.6	966	204
END BENT NO. 2	35.0	966	204
TOTALS ***	69.6	1,932	408

*** ENDWALL QUANTITIES DO NOT INCLUDE REINFORCING STEEL FOR THE UPPER PORTIONS OF THE WINGWALLS. SEE END BENT QUANTITIES FOR WING WALL REINFORCING STEEL.

(X) ENDWALL CONCRETE QUANTITIES INCLUDE THE UPPER PORTIONS OF THE WINGWALLS.

GROOVING BRIDGE FLOORS

APPROACH SLAB	209.0	SQ. METERS
BRIDGE DECK	329.4	SQ. METERS
TOTAL	538.4	SQ. METERS

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			

REINFORCED CONCRETE DECK CLASS AA CONCRETE POUR BREAKDOWN

POUR #1	96.3 CU. M.
(Y) POUR #2	13.6 CU. M.
TOTALS	109.9 CU. M.

(Y) SEE ENDWALL SHEETS FOR LIMITS OF REINFORCED CONCRETE DECK.

REINFORCING BAR SCHEDULE

SPAN "A"

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1E	182	16	STR	12400	3503
A2	182	16	STR	12400	3503
A101E	4	16	STR	11480	71
A102E	4	16	STR	10540	65
A103E	4	16	STR	9600	60
A104E	4	16	STR	8640	54
A105E	4	16	STR	7700	48
A106E	4	16	STR	6760	42
A107E	4	16	STR	5800	36
A108E	4	16	STR	4860	30
A109E	4	16	STR	3920	24
A110E	4	16	STR	2960	18
A111E	4	16	STR	2020	13
A112E	4	16	STR	1080	7
A113E	4	16	STR	2120	13
A201	4	16	STR	11480	71
A202	4	16	STR	10540	65
A203	4	16	STR	9600	60
A204	4	16	STR	8640	54
A205	4	16	STR	7700	48
A206	4	16	STR	6760	42
A207	4	16	STR	5800	36
A208	4	16	STR	4860	30
A209	4	16	STR	3920	24
A210	4	16	STR	2960	18
A211	4	16	STR	2020	13
A212	4	16	STR	1080	7
A213	4	16	STR	2120	13
B1E	56	16	STR	15940	1385
B2	82	16	STR	15900	2023
G1E	8	16	STR	13020	162
K1	24	16	STR	3020	112
K2	6	16	4	2920	27
S3	27	13	1	2980	80

REINFORCING STEEL	6,226 kg
EPOXY COATED REINFORCING STEEL	5,531 kg

ENDWALL AT END BENT NO. 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	9	19	STR	15000	302
H2	15	19	STR	3140	105
H3	3	19	STR	2640	18
H4	6	19	STR	2640	35
H5	10	19	STR	2200	49
H6	2	19	STR	1600	7
H7	2	19	STR	1600	7
H8	14	19	STR	1960	61
L1E	36	16	3	2080	116
S1	44	19	2	3880	382
U1E	36	13	2	2460	88

REINFORCING STEEL	966 kg
EPOXY COATED REINFORCING STEEL	204 kg

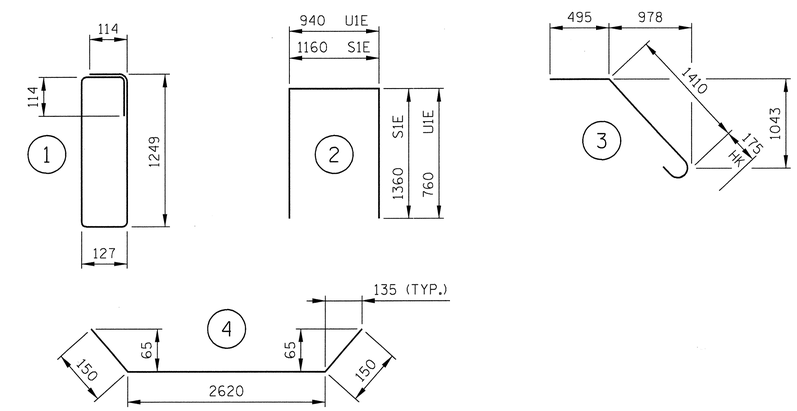
ENDWALL AT END BENT NO. 2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	9	19	STR	15000	302
H2	15	19	STR	3140	105
H3	3	19	STR	2640	18
H4	6	19	STR	2640	35
H5	10	19	STR	2200	49
H6	2	19	STR	1600	7
H7	2	19	STR	1600	7
H8	14	19	STR	1960	61
L1E	36	16	3	2080	116
S1	44	19	2	3880	382
U1E	36	13	2	2460	88

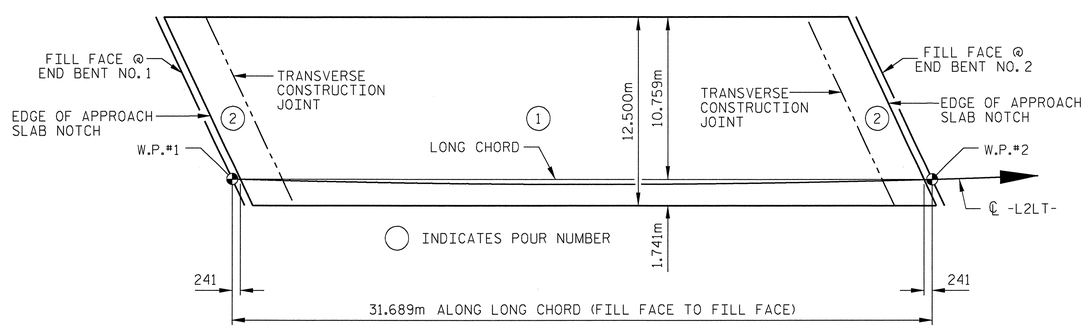
REINFORCING STEEL	966 kg
EPOXY COATED REINFORCING STEEL	204 kg

"E" DENOTES EPOXY COATED REINFORCING STEEL.

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB

(390.1 SQ. METERS)

Prepared by
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PROJECT NO. R-2552C

JOHNSTON COUNTY

STATION: 121+97.157 -L2LT-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

BILL OF MATERIAL
(LEFT BRIDGE)

NORTH CAROLINA PROFESSIONAL SEAL 17759 ENGINEER THOMAS L. CRABTREE II

2/7/05

R.N. LTB1-15

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-7ED
1			3			TOTAL SHEETS
2			4			431

DRAWN BY :	LOFTON	DATE :	11/04
CHECKED BY :	CJW	DATE :	12/04
APPROVED BY :		DATE :	