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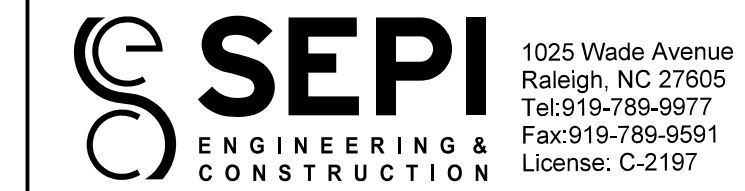
5/14/99

**SUMMARY OF EARTHWORK
IN CUBIC YARDS**

LOCATION	UNCLASS EXCAV	UNDERCUT	EMBT + %	BORROW	WASTE
-L- STA. 10+64.82 TO 20+05.51 (Bridge)	921		37,894	37,894	921
ROADWAY LIGHTWEIGHT AGGREGATE MAT'L			-2,196	-2,196	
MAT'L INCIDENTAL TO WALL #3			-8,880	-8,880	
-Y1- STA. 10+54.31 TO 11+61.97	54		118	118	54
-Y2- STA. 10+31.50 TO 11+81.18	18		959	941	
-Y3REV- STA. 12+08.12 TO 19+21.11	1,386		1,453	67	
-Y4- STA. 10+17 TO 16+00	500		1,243	1,243	500
SUBTOTAL	2,879		30,591	29,186	1,475
-L- STA. 28+51.63 (Bridge) TO 39+00.43	838		25,840	25,002	
MAT'L INCIDENTAL TO WALLS #1 & 2			-7,716	-7,716	
-Y5- STA. 12+56.01 TO 15+84.17	381		151		230
-Y7- STA. 10+33.97 TO 19+75.98	1,002		3,550	3,041	493
-Y8- STA. 11+19.18 TO 14+49.18	166		35		131
-DR2- STA. 10+00.00 TO 11+00.00	14		341	327	
SUBTOTAL	2,401		22,201	20,654	854
-Y3- STA. 8+68.60 TO 14+89.87	1,540	2,684	3,265	3,107	4,066
-Y6- STA. 10+14.86 TO 11+24.49	77		143	66	
SUBTOTAL	1,617	2,684	3,408	3,173	4,066
TOTAL	6,897	2,684	56,200	53,013	6,395
LOSS DUE TO CLEAR & GRUB. (DEPTH OF 2")	-282		282		
WASTE IN LIEU OF BORROW			-140	-140	
ADDITIONAL UNDERCUT		4,800	5,760	5,760	4,800
PROJECT TOTAL	6,615	7,484	61,960	58,915	11,055
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				2,946	
GRAND TOTAL	6,615	7,484		61,861	
SAY	6,800	7,500		62,000	

NOTE: EMBANKMENT INCLUDES UNDERCUT EXCAVATION

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS



PROJECT REFERENCE NO.	SHEET NO.
U-5008	3B-1
RW SHEET NO.	

**SUMMARY OF PAVEMENT BREAK UP
IN SQUARE YARDS**

LOCATION	ASPHALT BREAK UP
-L- STA. 15+25.00 TO 20+05.15	3589.46
-L- STA. 28+51.63 TO 32+50.00	2393.76
-Y2- STA. 10+32.50 TO 11+25.00	330.53
-Y4- STA. 13+80.00 TO 15+56.15	320.08
TOTAL	6633.83
SAY	6640

**SUMMARY OF PAVEMENT REMOVAL
IN SQUARE YARDS**

LOCATION	ASPHALT REMOVAL
-L- STA. 13+93.46 TO 15+25.00	705.49
-L- STA. 20+05.51 TO 28+51.63	5203.58
-L- STA. 32+50.00 TO 33+50.18	536.52
-Y1- STA. 11+50.00 TO 12+22.36	144.39
-Y2- STA. 11+25.00 TO 11+81.00	131.92
-Y3REV- STA. 12+08.12 TO 13+28.38	480.00
-Y4- STA. 15+56.15 TO 16+00.00	107.19
-EY3- STA. 32+79.59 TO 34+74.12	849.65
-Y5- STA. 12+56.01 TO 26+80.00 LT -L-	500.52
-Y5- STA. 15+30.00 TO 15+99.86	232.87
-Y3- STA. 10+00.00 TO 14+89.97	2150.22
-Y6- STA. 7+24.96 TO 10+70.00	1321.39
TOTAL	12,363.74
SAY	12,370

**SUMMARY OF REMOVAL OF EXISTING
GUARDRAIL IN LINEAR FEET**

LOCATION	LINEAR FEET
-Y3- STA. 8+00.00 TO 12+41.55	441.55
TOTAL	441.55
SAY	445

**ADDITIONAL
UNDERCUT CONTINGENCY**

LOCATION	CY
-Y3REV- CONTINGENCY	2,600
GRAVE SITE CONTINGENCY	1,000
-L- CONTINGENCY	700
OVERALL CONTINGENCY	500
TOTAL CONTINGENCY	4,800

Approximate quantities only. Unclassified Excavation, Fine Grading, Clearing and Grubbing, Breaking of Existing Pavement, and Removal of Existing Pavement will be paid for at the contract lump sum price for "Grading."

SELECT GRANULAR = 1200 CUBIC YARDS TO BE USED IN THE DISCRETION OF THE RESIDENT ENGINEER
EST. SHALLOW UNDERCUT = 350 CUBIC YARDS TO BE USED IN THE DISCRETION OF THE RESIDENT ENGINEER
EST. SHALLOW UNDERCUT BY STATIONS = 1,800 CUBIC YARDS
TOTAL SHALLOW UNDERCUT = 2,150 CUBIC YARDS
CLASS IV SUBGRADE STABILIZATION = 4,900 TONS

GUARDRAIL SUMMARY

SURVEY LINE	BEGINNING STATION	END STATION	LOCATION	LENGTH			WARRENT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS			REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GRAU-350	AT-1	TYPE III	
-Y3-	8+00.00	8+50.00	LT	0			12+33.54	12+54.19	3'	6'					1			TYING TO EXISING GUARDRAIL
SUBTOTAL				0														
LESS ANCHOR DEDUCTIONS																		
GRAU-350, 1 @ 50' =				-50.00'														
TOTAL				0														
SAY				0										1				

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