

8/17/99

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
SUMMARY OF EARTHWORK
IN CUBIC YARDS

PROJECT REFERENCE NO. <i>U-4910B</i>	SHEET NO. <i>3B-2</i>
RW SHEET NO.	
<small>Prepared in the Office of:</small> <small>NC FIRM LICENSE No: F-0342 701 Corporate Center Drive, Suite 415 Raleigh, NC 27607 (919) 854-6200 • (919) 854-6259(FAX)</small>	
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STATION TO STATION	SIDE	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
-L- 157+00 TO 187+00	LT	1,905	700	13,594	11,689	700
-DET2- 176+50 TO 184+50		894		526		368
-Y5A- 11+00 TO 12+00		35		42	7	
SUBTOTAL		2,834	700	14,161	11,695	1,068
-L- 187+00 TO 217+00	LT	13,962		21,965	8,553	550
-L- 217+00 TO 239+50	LT	2,429		2,384		45
-L- 157+00 TO 187+00	RT	9,436		9,389		47
-Y5- 11+00 TO 14+50		297		24		273
-DR2- 10+00 TO 11+00		261				261
-Y6- 11+00 TO 12+00		30				30
SUBTOTAL		10,024		9,412		611
-L- 187+00 TO 217+00	RT	10,518		7,849		2,669
-Y7- 11+00 TO 11+50		33		104	71	
-Y8- 8+00 TO 11+50		307		1,577	1,270	
SUBTOTAL		10,858		9,530	1,341	2,669
-L- 217+00 TO 239+00	RT	380		2,657	2,277	
-Y9- 11+00 TO 12+00		42		313	271	
-Y10- 11+50 TO 12+00		6		25	19	
SUBTOTAL		428		2,995	2,567	
SUMMARY TOTALS		40,535	700	60,446	24,155	4,941
MATERIAL FOR SHOULDER CONSTRUCTION				312	312	
ADDITIONAL UNDERCUT			650	780	780	650
UNSUITABLE UNCLASS. EXCAV. (CONTINGENCY)					1,135	1,135
WASTE IN LIEU OF BORROW					-3,691	-3,691
PROJECT TOTALS		40,535	1,350	61,538	23,826	3,035
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT					1,135	
GRAND TOTALS		40,535	1,350	61,538	23,826	3,035
SAY		40,600	1,400		23,900	

ESTIMATED DDE = 330 CY
 ESTIMATED SHALLOW UNDERCUT BY STATIONS = 2,250 CY
 ESTIMATED SHALLOW UNDERCUT CONTINGENCY = 325 CY
 TOTAL SHALLOW UNDERCUT = 2,720 CY
 PAVEMENT STRUCTURE VOLUME = 11,152 CY

Earthwork quantities are calculated by the Roadway Design Unit. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

REVISIONS

Revisions:

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