

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

PROJECT REFERENCE NO. <i>U-4910A</i>	SHEET NO. <i>3B-2</i>
RW SHEET NO.	
Prepared in the Office of: AECOM	
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STATION TO STATION	SIDE	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-L- 114+00 TO 126+50	LT	385		20,640	20,255	
-L- 127+00 TO 146+59.98	LT	12,001		17,236	5,935	700
-Y2- 11+00 TO 14+00		4,761		6		4,755
SUBTOTAL		16,762		17,241	5,935	5,455
-L- 149+00.10 TO 157+44.41	LT	38		13,259	13,221	
-DET3- 118+00 TO 138+00		2,390		1,076		1,314
-L- 114+00 TO 126+50	RT	397		17,776	17,379	
-L- 127+00 TO 146+59.98	RT	7,907		16,728	8,821	
-Y3- 12+50 TO 13+50		8		61	53	
SUBTOTAL		7,915		16,789	8,874	
-L- 149+00.10 TO 157+44.41	RT	412		12,588	12,176	
-Y4- 10+00 TO 12+50		17		3,842	3,825	
SUBTOTAL		429		16,430	16,001	
SUMMARY TOTALS		28,316		103,209	81,663	6,768
MATERIAL FOR SHOULDER CONSTRUCTION				120	120	
ADDITIONAL UNDERCUT			350	420	420	350
UNSUITABLE UNCLASS. EXCAV. (CONTINGENCY)					615	615
WASTE IN LIEU OF BORROW					-6,068	-6,068
PROJECT TOTALS		28,316	350	103,749	76,750	1,665
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT					3,838	
GRAND TOTALS		28,316	350	103,749	80,588	1,665
SAY		28,400	400		80,600	
U-4910A PROJECT TOTAL		28,400	400		80,600	
U-4910B PROJECT TOTAL		40,600	1,400		23,900	
GRAND TOTAL		69,000	1,800		104,500	

U-4910A PROJECT TOTAL

ESTIMATED DDE = 630 CY
 ESTIMATED SHALLOW UNDERCUT BY STATIONS = 150 CY
 ESTIMATED SHALLOW UNDERCUT CONTINGENCY = 175 CY
 TOTAL SHALLOW UNDERCUT = 180 CY
 PAVEMENT STRUCTURE VOLUME = 4,035 CY

U-4910B PROJECT TOTAL

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

GRAND TOTAL

ESTIMATED DDE = 960 CY
 ESTIMATED SHALLOW UNDERCUT BY STATIONS = 2,400 CY
 ESTIMATED SHALLOW UNDERCUT CONTINGENCY = 500 CY
 TOTAL SHALLOW UNDERCUT = 2,900 CY
 PAVEMENT STRUCTURE VOLUME = 15,187 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: