

12/06/07

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PROJECT REFERENCE NO. SHEET NO.
 U-3633 3B-2

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK
 IN CUBIC YARDS

STATION	STATION	UNCL. EXCAV.	UNDERCUT EXCAV.	EMBANK. +%	BORROW	WASTE
-L- STA. 18 + 65.00 (LT.)	-L- STA. 47 + 00.00 (LT.)	1,355		2,593	1,238	
-Y- STA. 15 + 50.00	-Y- STA. 23 + 64.31	452		515	63	
-Y2- STA. 10 + 22.61	-Y2- STA. 11 + 25.00	13		83	70	
-Y2- STA. 18 + 00.00	-Y2- STA. 19 + 35.15	59		54		5
-Y5- STA. 16 + 00.00	-Y5- STA. 16 + 46.16	19		51	32	
-Y7- STA. 17 + 00.00	-Y7- STA. 17 + 48.86	18		32	14	
SUBTOTAL:		1,916		3,328	1,417	5
-L- STA. 18 + 65.00 (RT.)	-L- STA. 47 + 00.00 (RT.)	1,134		32,742	31,608	
-Y- STA. 24 + 36.65	-Y- STA. 29 + 00.00	384		360		24
-Y1- STA. 10 + 41.70	-Y1- STA. 11 + 00.00	58		2		56
-Y4- STA. 10 + 39.66	-Y4- STA. 11 + 00.00	72		17		55
-Y5- STA. 17 + 25.21	-Y5- STA. 20 + 00.00	28		2,420	2,392	
-Y6- STA. 10 + 48.07	-Y6- STA. 11 + 50.00	70		39		31
-Y6- STA. 13 + 00.00	-Y6- STA. 14 + 15.00	10		225	215	
-Y6- (TEMP) STA. 12 + 26.00	-Y6- (TEMP) STA. 14 + 89.00	41		307	266	
-DR1- STA. 10 + 51.50	-DR1- STA. 12 + 20.00	75		5,190	5,115	
SUBTOTAL:		1,872		41,302	39,596	165
-L- STA. 47 + 00.00 (LT.)	-L- STA. 75 + 00.00 (LT.)	7,761		8,116	355	
-Y9- STA. 11 + 66.80	-Y9- STA. 12 + 28.32	115				115
-Y11- STA. 13 + 75.00	-Y11- STA. 17 + 84.99	694		665		29
SUBTOTAL:		8,570		8,780	355	144
-L- STA. 47 + 00.00 (RT.)	-L- STA. 75 + 00.00 (RT.)	853		39,903	39,050	
-DR2- STA. 10 + 51.50	-DR2- STA. 12 + 20.00	46		4,062	4,016	
-Y8- STA. 10 + 39.51	-Y8- STA. 10 + 75.00	15		101	86	
-Y10- STA. 10 + 43.72	-Y10- STA. 11 + 00.00	18		87	69	
-Y11- STA. 18 + 72.00	-Y11- STA. 22 + 73.00	453		139		314
SUBTOTAL:		1,385		44,293	43,222	314
-L- STA. 75 + 00.00 (LT.)	-L- STA. 90 + 00.00 (LT.)	590		1,903	1,313	
-Y12- STA. 12 + 28.32	-Y12- STA. 15 + 25.00	94		311	217	
SUBTOTAL:		684		2,214	1,530	
-L- STA. 75 + 00.00 (RT.)	-L- STA. 90 + 00.00 (RT.)	2,603		743		1,860
-Y12- STA. 10 + 79.72	-Y12- STA. 11 + 42.73	23		8		15
SUBTOTAL:		2,626		751		1,875
-Y6- (TEMP) STA. 12 + 26.00	-Y6- (TEMP) STA. 14 + 89.00	159		31		128
REMOVAL	REMOVAL					
SUBTOTAL:		159		31		128
TOTAL:		17,212		100,699	86,119	2,632
EST. MATERIAL FOR SHOULDER CONSTRUCTION:				575	575	
LOSS DUE TO CLEARING & GRUBBING:		(-) 250			250	
WASTE IN LIEU OF BORROW:					(-) 2,632	(-) 2,632
PROJECT TOTALS:		16,962		101,274	84,312	
EST. 5% TO REPLACE TOP SOIL ON BORROW PITS:					4,216	
GRAND TOTAL:		16,962			88,528	
SAY:		17,100			89,000	

-L-, -Y-, -Y11-, -Y12- PAVEMENT STRUCTURE VOLUME = 4,900 CY
 ESTIMATED DRAINAGE DITCH EXCAVATION = 1,130 CY
 ESTIMATED UNDERCUT EXCAVATION = 1,500 CY
 ESTIMATED SHALLOW UNDERCUT EXCAVATION = 1,500 CY
 ESTIMATED SELECT GRANULAR MATERIAL = 1,500 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.

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