

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

Summary of Earthwork

Volumes in Cubic Yards

STATION	STATION	TOTAL UNCLASS.	UNDERCUT	EMBANK. +%	BORROW	WASTE
L_LT1 18+50.00	48+00.00	403		41,378	41,125	150
DRY DETENTION BASIN		19,500		25,875	25,875	19,500
Y1_NORTH 13+00.00	14+25.00	65		12	0	54
Y2 13+00.00	13+50.00	29		75	46	0
Y3 12+22.00	13+00.00	49		2	0	47
	SUBTOTAL	20,046		67,341	67,045	19,750
L_LT2 48+50.00	61+50.00	198		12,938	12,740	
Y6 11+70.00	12+50.00	90		60		30
	SUBTOTAL	288		12,997	12,739	30
Y_LT1 14+00.00	34+49.00	361		3,810	3,559	
DRWY5 10+50.00	11+50.00	0		653	653	0
	SUBTOTAL	361		4,463	4,212	110
Y_LT3 40+87.00	56+00.00	3,516		561		2,955
DRWY7 10+84.67	11+50.00	253		1		252
DRWY8 10+25.00	11+50.00	144		95		49
	SUBTOTAL	3,913		657		3,255
L_LT_RT 63+00.00	75+50.00	520		47,944	47,674	250
Y_LT2 34+50.00	40+87.00	289		4,614	4,325	
DRWY3 10+50.00	11+00.00			347	347	
DRWY4 10+50.00	11+00.00	6		132	126	
DRWY6 10+75.00	11+24.06	25		428	403	
	SUBTOTAL	840		53,464	52,874	250
L_RT1 18+50.00	48+00.00	6,530		18,053	11,973	450
Y1_SOUTH 15+50.00	18+75.00	96		138	42	
DRWY1 10+50.00	11+00.00	53		15		38
DRWY2 11+00.00	11+60.00	10		451	441	
Y4 10+50.00	11+50.00	9		327	318	
	SUBTOTAL	6,698		18,983	12,773	488
L_RT2 48+50.00	61+50.00	996		7,263	6,267	
Y_RT2 38+00.00	57+00.00	1,366		1,926		0
Y5 11+00.00	17+50.00	233		431	298	100
Y7 15+50.00	16+00.00	19		23	4	
	SUBTOTAL	2,614		9,643	7,129	100
Y_RT1 14+00.00	38+00.00	1,997		1,385	0	612
	SUBTOTAL	1,997		1,384	0	612
	TOTAL	36,757		168,932	156,772	24,595
MATERIAL FOR SHOULDER CONSTRUCTION				679	679	
LOSS DUE TO CLEARING & GRUBBING		-600			600	
WASTE IN LIEU OF BORROW					-3,895	-3,895
	PROJECT TOTAL	36,157		169,610	154,155	20,700
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT					7,708	
	GRAND TOTAL	36,157		169,610	161,862	20,700
	SAY	36,200			161,900	

EST. DDE = 1210 CUBIC YARDS
 EST. SHALLOW UNDERCUT = 400 CUBIC YARDS
 EST. SHALLOW UNDERCUT BY STATIONS = 1,550 CUBIC YARDS
 TOTAL SHALLOW UNDERCUT = 1,950 CUBIC YARDS
 PER GEOTECH RECOMMENDATION, ESTIMATED 9,350 CUBIC YARDS OF UNDERCUT TO BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER.
 PSV = 21,430 CUBIC YARDS

Note: Earthwork quantities are calculated by Stantec. These earthwork quantities are based in part on subsurface data provided by Falcon Engineering.

Quantities are approximate only. The Resident Engineer will use methods including but not limited to regrass-sectioning, truck measurement, and aerial surveys to compute final quantities for which the contractor will be paid.