

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: U-4424 COUNTY: Edgecombe DATE: 2/23/2023 COMPILED BY: RHT SHEET __ OF __ SHEETS

STATION	STATION	EXCAVATION				EMBANKMENT				BORROW	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH		EMBANK. +25%	ROCK	SUITABLE	UNSUIT.
-L- 13+90	-L- 44+00	867				867	7,972	7,972	9,965	9,098				
-Y- 10+00	-Y- 10+96	62				62	11	11	13			49		49
-Y1- 10+00	-Y1- 14+00	17				17	5	5	6			11		11
-Y2- 11+25	-Y2- 11+75	12				12	43	43	53	41				
-Y3- 11+00	-Y3- 11+75	30				30	60	60	75	45				
-Y4- 10+25	-Y4- 11+00	55				55	47	47	58	3				
	SUBTOTAL	1,043				1,043	8,138	8,138	10,170	9,187		60		60
-L-44+00	-L- 64+50 (BRIDGE)	271				271	8,005	8,005	10,006	9,735				
-US64- 1002+50	-US64- 1006+50	563				563	51	51	63			500		500
	SUBTOTAL	834				834	8,056	8,056	10,069	9,735		500		500
-L- 68+00	-L- 98+00	220				220	10,362	10,362	12,952	12,732				
-Y5- 11+25	-Y5- 11+75	81				81	183	183	228	147				
	SUBTOTAL	301				301	10,545	10,545	13,180	12,879				
-L- 98+00	-L- 128+00	879				879	4,194	4,194	5,242	4,363				
-Y6- 10+25	-Y6- 11+25	28				28	86	86	107	79				
-Y7- 11+50	-Y7- 12+00	13				13	18	18	22	9				
-Y8- 12+50	-Y8- 13+75	57				57	114	114	142	85				
-DR1- 11+50	-DR1- 11+80.96	22				22	12	12	15			7		7
	SUBTOTAL	999				999	4,424	4,424	5,528	4,536		7		7
-L- 128+00	-L- 133+50	387				387	562	562	702	315				
	SUBTOTAL	387				387	562	562	702	315				
	TOTAL	3,564				3,564	31,725	31,725	39,649	36,652		567		567
	MATERIAL FOR SHOULDER CONSTRUCTION						600	600	750	750				
	LOSS DUE TO CLEARING & GRUBBING	-500				-500				500				
	ADDITIONAL UNDERCUT													
	ROCK WASTE TO REPLACE BORROW													
	ADJUST FOR ROCK WASTE													
	WASTE IN LIEU OF BORROW									-567		-567		-567
	PROJECT TOTAL	3,064				3,064	32,325	32,325	40,399	37,335				
	EST. 5% TO REPLACE TOP SOIL ON BORROW PIT									1,867				
	GRAND TOTAL					3,064	32,325	32,325	40,399	39,201				
	SAY	3,100								40,000				

NOTE: EARTHWORK QUANTITIES ARE CALCULATED BY THE ROADWAY DESIGNER. THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.
 NOTE: UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE USED IN TOP 3' OF EMBANKMENT OF BACKFILL FROM -L- STA. 29+75 TO 32+25 LT (100 CY)

-L- PAVEMENT STRUCTURE VOLUME = 971 CY
 EST. DDE = 170 CUBIC YARDS
 EST. SHALLOW UNDERCUT = 750 CY
 EST. SHALLOW UNDERCUT BY STATIONS = 0 CY
 TOTAL SHALLOW UNDERCUT = 750 CY
 CLASS IV SUBGRADE STABILIZATION = 1500 TONS
 EST. UNDERCUT EXCAVATION = 1000 CY

BALANCE EARTHWORK CHECK			
TOTAL UNCL. EXC:	3,064	EMB + %:	40,399
UNDERCUT EXC:		TOTAL WASTE:	
BORROW EXC:	37,335		
TOTAL:	40,399	TOTAL:	40,399