

Earthwork Balance Sheet

PROJECT: U-5798B

COUNTY: Cumberland

Volumes in Cubic Yards
DATE: 6/9/2025

COMPILED BY: RS&H

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.	TOTAL
PHASE I:															
-Y1_ TEMP- 10+07.66 CL	-Y1_ TEMP- 12+25.11 CL	1,074				1,074	18		18	23			1,051		1,051
	SUBTOTAL	1,074				1,074	18		18	23			1,051		1,051
PHASE II:															
-LB- 12+49.99 RT	-LB- 28+50.00 RT	4,371		300	1,541	2,830	5,546		5,546	6,933	4,103			1,841	1,841
-LB- 28+50.00 LT	-LB- 58+39.24 LT	4,106				4,106	8,866		8,866	11,083	6,977				
-Y1- 10+37.19 RT	-Y1- 13+75.00 RT	22				22	820		820	1,025	1,003				
-Y2- 13+30.00 RT	-Y2- 24+51.66 RT	901				901	769		769	962	61				
-Y2- 25+41.47 RT	-Y2- 41+00.00 RT	978				978	1,719		1,719	2,149	1,171				
	SUBTOTAL	10,378		300	1,541	8,837	17,720		17,720	22,152	13,315			1,841	1,841
PHASE III:															
-LB- 27+50.00 RT	-LB- 57+50.00 RT	2,925				2,925	3,154		3,154	3,943	1,018				
-Y1- 10+37.19 LT	-Y1- 13+75.00 LT	278				278	488		488	610	332				
-Y2- 13+30.00 LT	-Y2- 24+51.66 LT	220				220	506		506	633	413				
-Y2- 25+41.47 LT	-Y2- 41+00.00 LT	412				412	301		301	377			35		35
	SUBTOTAL	3,835				3,835	4,449		4,449	5,563	1,763		35		35
PHASE IV:															
-LB- 12+49.99 LT	-LB- 29+00.00 LT	2,658			276	2,382	1,882		1,882	2,353			29	276	305
	SUBTOTAL	2,658			276	2,382	1,882		1,882	2,353			29	276	305
PHASE V:															
-LB- 16+50.00 CL	-LB- 27+50.00 CL	154				154	429		429	536	382				
-LB- 32+50.00 CL	-LB- 57+50.00 CL						1,340		1,340	1,675	1,675				
	SUBTOTAL	154				154	1,769		1,769	2,211	2,057				
TOTAL		18,099		300	1,817	16,282	25,838		25,838	32,302	17,135		1,115	2,117	3,232
MATERIAL FOR SHOULDER CONSTRUCTION							50		50	63	63				
LOSS DUE TO CLEARING & GRUBBING		-3,500				-3,500					3,500				
ADDITIONAL UNDERCUT				700										700	700
WASTE IN LIEU OF BORROW											-1,115		-1,115		-1,115
PROJECT TOTAL		14,599		1,000	1,817	12,782	25,888		25,888	32,365	19,583			2,817	2,817
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT											979				
GRAND TOTAL		14,599		1,000	1,817	12,782	25,888		25,888	32,365	20,561			2,817	2,817
SAY		14,600		1,000							20,600				

NOTE: EARTHWORK QUANTITIES ARE CALCULATED BY RS&H. THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY TERRACON LLC.

EST. DDE = 40 SQUARE YARDS
EST. SHALLOW UNDERCUT = 800 CUBIC YARDS
EST.SHALLOW UNDERCUT BY STATIONS = 2,700 CUBIC YARDS
TOTAL SHALLOW UNDERCUT = 3,500 CUBIC YARDS
CLASS IV SUBGRADE STABILIZATION = 7,940 TONS

UNCLASSIFIED EXCAVATION NOT SUITABLE FOR THE TOP 3 FT OF EMBANKMENT OR BACKFILL PER GEOTECH RECOMMENDATIONS.

-LB- 41+25.00 TO 42+75.00 (40 CY), -LB- 56+95.00 TO 57+70.00 (10 CY), -Y2- 22+75.00 TO 23+75.00 (5 CY), -Y2- 26+75.00 TO 30+25.00 (1,310 CY), -Y2- 34+25.00 TO 40+75.00 (135 CY)