

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: B-5898

COUNTY: Haywood

DATE: 10/17/2023

COMPILED BY: AECOM

SHEET 1 OF 1 SHEETS

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +15%		ROCK	SUITABLE	UNSUIT.	TOTAL
-DET01_EB- 28+05.94	-DET01_EB- 33+98.55	54				54	3,353		3,353	3,856	3,802				
	SUBTOTAL	54				54	3,353		3,353	3,856	3,802				
-DET01_WB- 28+05.94	-DET01_WB- 31+56.00	33				33	13,498		13,498	15,523	15,490				
-DET01_WB- 32+89.00	-DET01_WB- 40+50.17	173				173	3,394		3,394	3,903	3,730				
-L_LT- 28+05.94	-L_LT- 31+56.00	51				51	5,242		5,242	6,028	5,977				
-L_LT- 32+89.00	-L_LT- 40+74.50	413				413	861		861	990	577				
GEOTECH SURCHARGE PLACEMENT							800		800	920	920				
GEOTECH SURCHARGE REMOVAL		800				800								800	800
	SUBTOTAL	1,470				1,470	23,795		23,795	27,364	26,694			800	800
REMOVAL OF -DET01_WB- & -DET01_EB- INCLUDED															
-L_RT- 28+06.26	-L-RT- 40+04.68	10,985				10,985	1,822		1,822	2,095				8,890	8,890
	SUBTOTAL	10,985				10,985	1,822		1,822	2,095				8,890	8,890
-Y1_RT- 16+83	-Y1_RT- 28+83.27	3,001				3,001	521		521	599				2,402	2,402
	SUBTOTAL	3,001				3,001	521		521	599				2,402	2,402
TOTAL		15,510				15,510	29,491		29,491	33,914	30,496			12,092	12,092
MATERIAL FOR SHOULDER CONSTRUCTION							1,180		1,180	1,357	1,357				
LOSS DUE TO CLEARING & GRUBBING		-600				-600					600				
REDUCTION OF UNCLASS. EXC. - UNSUIT. WASTE					500	-500	500		500	575	575			500	500
WASTE IN LIEU OF BORROW											-3,202		-3,202		-3,202
PROJECT TOTAL		14,910			500	14,410	31,171		31,171	35,846	29,826			8,890	500
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT											1,491				
GRAND TOTAL		14,910			500	14,410	31,171		31,171	35,845	31,317			8,890	500
SAY		15,000									32,000				

NOTE: 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.

EST. DDE = 30 CUBIC YARDS

TOTAL SHALLOW UNDERCUT = 2,772 CUBIC YARDS

CLASS IV SUBGRADE STABILIZATION = 9,041 TONS

PER GEOTECH RECOMMENDATION, ESTIMATED 625 CUBIC YARDS OF UNDERCUT TO BE USED IN THE DISCRETION OF THE RESIDENT ENGINEER.