

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: B-3186

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- 11+36.01	-DET01_EB- 22+20.00	1,175				1,175	9,611		9,611	11,053	9,878				
-DET01_EB- 25+50.00	-DET01_EB- 28+05.94	2				2	2,227		2,227	2,561	2,559				
	SUBTOTAL	1,177				1,177	11,838		11,838	13,614	12,437				
-DET01_WB- 13+50.00	-DET01_WB- 23+50.75	12				12	12,086		12,086	13,899	13,887				
-DET01_WB- 25+89.25	-DET01_WB- 28+05.94	4				4	7,911		7,911	9,098	9,094				
-L_LT- 6+89.01	-L_LT- 23+50.75	1,657				1,657	8,015		8,015	9,217	7,560				
-L_LT- 25+89.25	-L_LT- 28+05.94	124				124	3,943		3,943	4,534	4,410				
	SUBTOTAL	1,797				1,797	31,955		31,955	36,748	34,951				
REMOVAL OF -DET01_WB- & -DET01_EB- INCLUDED															
-L_RT- 6+86.51	-L_RT- 23+38.51	11,809				11,809	1,490		1,490	1,714			10,096		10,096
-L_RT- 25+46.01	-L_RT- 28+06.26	7,725				7,725	183		183	210			7,515		7,515
	SUBTOTAL	19,534				19,534	1,673		1,673	1,924			17,611		17,611
	SUBTOTAL														
	TOTAL	22,508				22,508	45,466		45,466	52,286	47,388		17,611		17,611
MATERIAL FOR SHOULDER CONSTRUCTION							1,570		1,570	1,806	1,806				
LOSS DUE TO CLEARING & GRUBBING		-350				-350					350				
REDUCTION OF UNCLASS. EXC. - UNSUIT. WASTE					500	-500	500		500	575	575			500	500
WASTE IN LIEU OF BORROW															
	PROJECT TOTAL	22,158			500	21,658	47,536		47,536	54,667	50,119			500	18,111
	EST. 5% TO REPLACE TOP SOIL ON BORROW PIT										2,506				
	GRAND TOTAL	22,158			500	21,658	47,536		47,536	54,667	52,625		17,611	500	18,111
	SAY	23,000									53,000				

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 = 150 CUBIC YARDS

TOTAL SHALLOW UNDERCUT = 2,811 CUBIC YARDS

CLASS IV SUBGRADE STABILIZATION = 11,570 TONS

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