

## Earthwork Balance Sheet

PROJECT: R-5921

COUNTY: Haywood

Volumes in Cubic Yards  
DATE: 3/14/2024

COMPILED BY: SGM

SHEET\_\_ OF \_\_ SHEETS

ROCK SWELL = 25%

STATION	STATION	EXCAVATION				EMBANKMENT				BORROW	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH		EMBANK. +15%	ROCK	SUITABLE	UNSUIT.
CROSSOVER (DET1 & DET2) @ -L- 43+61.21 TO 46+42.65		50				50	80	80	92	42				
CROSSOVER (DET3 & DET4) @ -L- 262+66.09 TO 266+26.49		39				39	237	237	273	234				
CROSSOVER (DET5 & DET6) @ -L- 282+27.21 TO 285+74.96		41				41	182	182	209	168				
	<b>SUBTOTAL 1</b>	130				130	499	499	574	444				
-L- 10+87.57	-L- 40+00.00	1,080				1,080	9,974	9,974	11,470	10,390				
-Y- 10+00.00	-Y- 26+00.00	1,154				1,154	3,165	3,165	3,640	2,486				
	<b>SUBTOTAL 2</b>	2,234				2,234	13,139	13,139	15,110	12,876				
-L- 40+00.00	-L- 70+00.00	2,908				2,908	1,489	1,489	1,712			1,196		1,196
	<b>SUBTOTAL 3</b>	2,908				2,908	1,489	1,489	1,712			1,196		1,196
-L- 70+00.00	-L- 100+00.00	2,881				2,881	701	701	806			2,075		2,075
	<b>SUBTOTAL 4</b>	2,881				2,881	701	701	806			2,075		2,075
-L- 100+00.00	-L- 130+00.00	3,136				3,136	1,295	1,295	1,489			1,647		1,647
	<b>SUBTOTAL 5</b>	3,136				3,136	1,295	1,295	1,489			1,647		1,647
-L- 130+00.00	-L- 160+00.00	2,875	20			2,855	2,084	20	2,064	2,394		482		482
	<b>SUBTOTAL 6</b>	2,875	20			2,855	2,084	20	2,064	2,394		482		482
-L- 160+00.00	-L- 189+50.00	6,194				6,194	1,209	1,209	1,390			4,804		4,804
	<b>SUBTOTAL 7</b>	6,194				6,194	1,209	1,209	1,390			4,804		4,804
-L- 189+50.00	-L- 220+00.00	4,183				4,183	824	824	948			3,235		3,235
	<b>SUBTOTAL 8</b>	4,183				4,183	824	824	948			3,235		3,235
-L- 220+00.00	235+50.00	2,078				2,078	1,296	1,296	1,490			588		588
Existing Dual Bridge														
	<b>SUBTOTAL 9</b>	2,078				2,078	1,296	1,296	1,490			588		588
-L- 237+50.00	-L- 265+00.00	3,205				3,205	2,227	2,227	2,561			644		644
	<b>SUBTOTAL 10</b>	3,205				3,205	2,227	2,227	2,561			644		644
-L- 265+00.00	-L- 294+33.00	3,096				3,096	1,561	1,561	1,795			1,301		1,301
	<b>SUBTOTAL 11</b>	3,096				3,096	1,561	1,561	1,795			1,301		1,301
<b>TOTAL</b>		32,920	20			32,900	26,324	20	26,304	30,269	13,320	15,972		15,972
MATERIAL FOR SHOULDER CONSTRUCTION							16,160		16,160	18,584				
LOSS DUE TO CLEARING & GRUBBING		-250				-250								
WASTE IN LIEU OF BORROW										-15,972		-15,972		-15,972
<b>PROJECT TOTAL</b>		32,670	20			32,650	42,484	20	42,464	48,853	16,182			
SAY											809			
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT														
<b>GRAND TOTAL</b>		32,670	20			32,650	42,484	20	42,464	48,853	16,991			
SAY		32,700									17,000			

NOTE: EARTHWORK QUANTITIES ARE CALCULATED BY TGS ENGINEERS. THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.

EST. DDE = 880 CUBIC YARDS

EST. SHALLOW UNDERCUT = 1,000 CUBIC YARDS

EST. SELECT GRANULAR MATERIAL = 1,050 CUBIC YARDS

PER GEOTECH RECOMMENDATION, ESTIMATED 1,050 CUBIC YARDS OF UNDERCUT TO BE USED IN THE DISCRETION OF THE RESIDENT ENGINEER.