

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: R-5901

COUNTY: Surry

DATE: 6/26/2025

COMPILED BY: ABG

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
PHASE 1															
-EL1- 10+00 (L Temp)	-EL1- 22+06.61	1,681				1,681	1,004		1,004	1,155			526		526
-Y2-DET1- 10+67.19	-Y2-DET1- 19+69.82	987				987	346		346	398			589		589
	SUBTOTAL	2,668				2,668	1,350		1,350	1,553			1,115		1,115
PHASE 2															
-Y2-DET2- 10+21.49	-Y2-DET2- 14+93.42	1,459				1,459	704		704	810			649		649
-L1- 12+00.00 (LT)	-L1- 17+97.96 (LT)	2,948				2,948	707		707	813			2,135		2,135
-L2- 10+80.18 (LT)	-L2- 20+10.00 (LT)	754				754	805		805	926	172				
-RAB- 10+00.00	-RAB- 11+13.08	127				127	465		465	535	408				
-RAB- 13+02.92	-RAB- 13+89.55	259				259	188		188	216			43		43
-Y1- 14+60.00	-Y1- 16+81.56	3,619				3,619							3,619		3,619
-Y2- 11+75.00	-Y2- 18+15.00	4,063				4,063	58		58	67			3,996		3,996
-DRW1- 10+12.00	-DRW1- 11+60.00	131				131	61		61	70			61		61
-DRW2- 10+12.00	-DRW2- 11+31.50	119				119	87		87	100			19		19
-DRW3- 10+17.72	-DRW3- 10+74.85	142				142	1		1	1			141		141
-DRW5- 10+13.28	-DRW5- 10+75.00	206				206	2		2	2			204		204
	SUBTOTAL	13,827				13,827	3,078		3,078	3,540	580		10,867		10,867
PHASE 3															
-L1- 10+38 (RT)	-L1- 17+97.96 (RT)	600				600	1,038		1,038	1,194	594				
-L2- 10+80.18 (RT)	-L2- 20+10.00 (RT)	2,198				2,198	1,099		1,099	1,264			934		934
-RAB- 11+13.08	-RAB- 13+02.92	132				132	1,271		1,271	1,462	1,330				
-Y1- 12+30.00	-Y1- 14+60.00	455				455	61		61	70			385		385
-Y2- 10+80.02	-Y2- 11+75.00	1,250				1,250	122		122	140			1,110		1,110
-DRW4- 10+13.73	-DRW4- 10+95.00	506				506	3		3	3			503		503
-DRW6- 10+00.00	-DRW6- 10+43.34	63				63							63		63
	SUBTOTAL	5,204				5,204	3,594		3,594	4,133	1,924		2,995		2,995
PHASE 4															
-Y2-	Detour Removal	1,254				1,254	33		33	38			1,216		1,216
	SUBTOTAL	1,254				1,254	33		33	38			1,216		1,216
TOTAL		22,953				22,953	8,055		8,055	9,264	2,504		16,193		16,193
WASTE IN LIEU OF BORROW											-2,504		-2,504		-2,504
PROJECT TOTAL		22,953				22,953	8,055		8,055	9,264			13,689		13,689
GRAND TOTAL		22,953				22,953	8,055		8,055	9,264			13,689		13,689
SAY		23,000													

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

EST. DDE = 310 CUBIC YARDS
SHOULDER BORROW = 280 CUBIC YARDS
EST. SHALLOW UNDERCUT = 200 CY (PER GEOTECH RECOMMENDATION)
EST. UNDERCUT FOR SUBGRADE STABILITY = 200 CY (PER GEOTECH RECOMMENDATION)
EST. GRADE POINT UNDERCUT = 50 CY (PER GEOTECH RECOMMENDATION)
CLASS IV SUBGRADE STABILIZATION = 400 TONS (PER GEOTECH RECOMMENDATION)
PER GEOTECH RECOMMENDATION, ESTIMATED 200 CUBIC YARDS OF UNDERCUT TO BE USED IN THE DISCRETION OF THE RESIDENT ENGINEER.