

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: R-5857

COUNTY: Brunswick

DATE:

5/7/2025

COMPILED BY:

DBG

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
-L- 29+10.00 LT	42+00.00 LT	1,616				1,616	2,148		2,148	2,685	1,069				
-Y- 17+00.00	23+00.00	933				933	777		777	971	38				
-Y2- 10+25.00	14+00.00	558			50	508	710		710	888	380			50	50
	SUBTOTAL	3,107			50	3,057	3,635		3,635	4,544	1,487			50	50
-L- 29+10.00 RT	42+00.00 RT	1,296				1,296	4,379		4,379	5,474	4,178				
-Y1- 11+00.00	15+00.00	581				581	414		414	518			63		63
-L_RTL- 10+00.00	14+12.62	51				51	112		112	140	89				
	SUBTOTAL	1,928				1,928	4,905		4,905	6,132	4,267		63		63
-L- 42+00.00 LT	54+25.00 LT	2,897				2,897	2,737		2,737	3,421	524				
	SUBTOTAL	2,897				2,897	2,737		2,737	3,421	524				
-L- 42+00.00 RT	54+25.00 RT	998				998	1,397		1,397	1,746	748				
	SUBTOTAL	998				998	1,397		1,397	1,746	748				
-L1- 19+09.00 LT	30+00.00 LT	436				436	2,827		2,827	3,534	3,098				
-Y4- 14+50.00	18+03.30	511				511	280		280	350			161		161
	SUBTOTAL	947				947	3,107		3,107	3,884	3,098		161		161
-L1- 19+09.00 RT	30+00.00 RT	439				439	4,052		4,052	5,065	4,626				
-Y5- 11+00.00	23+00.00	1,219				1,219	2,461		2,461	3,076	1,857				
	SUBTOTAL	1,658				1,658	6,513		6,513	8,141	6,483				
-L1- 30+00.00 LT	42+00.00 LT	2,145				2,145	4,149		4,149	5,186	3,041				
	SUBTOTAL	2,145				2,145	4,149		4,149	5,186	3,041				
-L1- 30+00.00 RT	42+00.00 RT	445				445	2,809		2,809	3,511	3,066				
	SUBTOTAL	445				445	2,809		2,809	3,511	3,066				
	TOTAL	14,125			50	14,075	29,252		29,252	36,565	22,714		224	50	274
Est. Shoulder Material							2,610		2,610	3,263	3,263				
Unsuitable Material Per Geotech					200	-200					200			200	200
Loss due to clearing and grubbing		-150				-150					150				
Waste in Lieu of Borrow											-224		-224		-224
	PROJECT TOTAL	13,975			250	13,725	31,862		31,862	39,828	26,103			250	250
	EST. 5% TO REPLACE TOP SOIL ON BORROW PIT										1,305				
	GRAND TOTAL	13,975			250	13,725	31,862		31,862	39,828	27,408			250	250
	SAY	14,000									28,000				
	EST. UNDERCUT CONTINGENCY			2,250											
	EST. SHALLOW UNDERCUT BY STATIONS			310 CY											
	SHALLOW UNDERCUT CONTINGENCY			500 CY											
	TOTAL SHALLOW UNDERCUT			810 CY											
	CLASS IV SUBGRADE STABILIZATION BY STATIONS			675 TONS											
	CLASS IV SUBGRADE STABILIZATION CONTINGENCY			1,000 TONS											
	SELECT GRANULAR MATERIAL CONTINGENCY			2,000 CY											
	EST. DDE			750 CY											

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.

UNCLASSIFIED EXCAVATION - ACCEPTABLE BUT NOT TO BE IN THE TOP 3' OF EMBANKMENT OR BACKFILL

-Y2- 12+25 TO 14+15 (50 CY) PER GEOTECH

UNCLASSIFIED EXCAVATION - UNSUITABLE

(200 CY) PER GEOTECH