

# Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: R-5751

COUNTY: Robeson

DATE: 10/25/2022

COMPILED BY: JMB

SHEET 1 OF 1

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE				
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +25%		ROCK	SUITABLE	UNSUIT.	TOTAL	
-L- 15+00.00 LT	-L- 41+00.00 LT	992				992	3,332		3,332	4,165	3,173					
-L- 15+00.00 MED	-L- 41+00.00 MED	159				159	4,264		4,264	5,330	5,171					
-L- 15+00.00 RT	-L- 41+00.00 RT	1,249				1,249	5,679		5,679	7,099	5,850					
-L- 41+00.00 LT	-L- 74+36.00 LT	2,366				2,366	1,589		1,589	1,986			380		380	
-L- 41+00.00 MED	-L- 67+50.00 MED	743				743	2,522		2,522	3,153	2,410					
-L- 41+00.00 RT	-L- 74+36.00 RT	1,859				1,859	3,521		3,521	4,401	2,542					
	<b>SUBTOTAL</b>	7,368				7,368	20,907		20,907	26,134	19,146			380	380	
-Y1RPA- 15+00.00	-Y1RPA- 26+00.00	375				375	52,629		52,629	65,786	65,411					
-Y1RPB- 15+00.00	-Y1RPB- 22+00.00						34,130		34,130	42,663	42,663					
-Y1RPC- 15+30.00	-Y1RPC- 26+66.30						59,054		59,054	73,818	73,818					
-Y1RPD- 15+00.00	-Y1RPD- 22+00.00						34,495		34,495	43,119	43,119					
	<b>SUBTOTAL</b>	375				375	180,308		180,308	225,386	225,011					
-Y1A- 16+00.00	-Y1A- 34+09.45	3,346		500		3,346	52,851		52,851	66,064	62,718			500	500	
-Y1B- 35+59.45	-Y1B- 37+05.89 (BEGIN BRIDGE)						25,716		25,716	32,145	32,145					
-Y1B- 38+93.89 (END BRIDGE)	-Y1B- 40+40.33						27,661		27,661	34,576	34,576					
-Y1C- 41+90.33	-Y1C- 59+00.00	5,036				5,036	56,693		56,693	70,866	65,830					
	<b>SUBTOTAL</b>	8,382		500		8,382	162,921		162,921	203,651	195,269			500	500	
-SRA- 10+12.00	-SRA- 13+50.00	278				278	2,076		2,076	2,595	2,317					
-SRB- 10+13.23	-SRB- 14+00.00	97				97	892		892	1,115	1,018					
-RAB- 10+00.00	-RAB- 14+71.22	4				4	50,957		50,957	63,696	63,692					
-RCD- 10+00.00	-RCD- 14+71.23						50,729		50,729	63,411	63,411					
-DR1- 10+12.01	-DR1- 10+90.00	7				7	74		74	93	86					
	<b>SUBTOTAL</b>	386				386	104,728		104,728	130,910	130,524					
	<b>TOTAL</b>	16,511		500		16,511	468,864		468,864	586,081	569,950			380	500	880
MATERIAL FOR SHOULDER CONSTRUCTION							11,000		11,000	13,750	13,750					
LOSS DUE TO CLEARING & GRUBBING																
ADDITIONAL UNDERCUT				850			850		850	1,063	1,063			850	850	
ROCK WASTE TO REPLACE BORROW																
ADJUST FOR ROCK WASTE																
WASTE IN LIEU OF BORROW											-380			-380	-380	
	<b>PROJECT TOTAL</b>	16,511		1,350		16,511	480,714		480,714	600,894	584,383			1,350	1,350	
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT											29,219					
	<b>GRAND TOTAL</b>	16,511		1,350		16,511	480,714		480,714	600,894	613,602			1,350	1,350	
	<b>SAY</b>	17,000		1,350							620,000					

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 SUBCONSULTANT  
EST. DDE = 200 CY