

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: U-5743 COUNTY: Randolph DATE: 2/18/2026 COMPILED BY: PJJ SHEET _ OF _ SHEETS

LINE	STATION	STATION	EXCAVATION				EMBANKMENT				BORROW	WASTE				
			TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH		EMBANK. +20%	ROCK	SUITABLE	UNSUIT.	TOTAL
-L- RT	15+00.00	21+25.00	198				198	3,115		3,115	3,738	3,540				
-L-	21+25.00	34+45.00	743			350	393	3,335		3,335	4,002	3,609			350	350
-L- LT	34+45.00	36+00.00	450				450	89		89	107			343		343
-L-	36+00.00	55+00.00	343				343	6,560		6,560	7,872	7,529				
-Y1-	10+20.05	14+00.00	178				178	308		308	370	192				
-Y2-	10+20.00	13+25.00	538				538	54		54	65			473		473
-Y5-	10+32.00	13+00.00	981		100	300	681	82		82	98			583	400	983
-Y6-	11+50.00	14+46.38	75				75	1,154		1,154	1,385	1,310				
-Y7-	10+15.00	11+37.68	31				31	204		204	245	214				
-Y8-	10+20.89	11+00.00	80				80	58		58	70			10		10
-DR1-	10+12.00	10+87.08	128				128	23		23	28			100		100
SUBTOTAL			3,745		100	650	3,095	14,982		14,982	17,980	16,394		1,509	750	2,259
-L- LT	15+00.00	21+25.00	6				6	1,030		1,030	1,236	1,230				
-L- RT	34+45.00	36+00.00	10				10	641		641	769	759				
SUBTOTAL			16				16	1,671		1,671	2,005	1,989				
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TOTAL			3,761		100	650	3,111	16,653		16,653	19,985	18,383		1,509	750	2,259
MATERIAL FOR SHOULDER CONSTRUCTION								140		140	168	168				
LOSS DUE TO CLEARING & GRUBBING			-350				-350					350				
ADDITIONAL UNDERCUT					2,050									2,050		2,050
WASTE IN LIEU OF BORROW												-1,509		-1,509		-1,509
PROJECT TOTAL			3,411		2,150	650	2,761	16,793		16,793	20,153	17,392			2,800	2,800
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT												870				
GRAND TOTAL			3,411		2,150	650	2,761	16,793		16,793	20,153	18,262			2,800	2,800
SAY			3,600									19,200				

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 = 222 CUBIC YARDS

PER GEOTECH RECOMMENDATION, ESTIMATED 1050 CUBIC YARDS OF UNDERCUT TO BE USED IN THE DISCRETION OF THE RESIDENT ENGINEER.

BALANCE EARTHWORK CHECK			
TOTAL UNCL. EXC:	3,411	EMB + %:	20,153
UNDERCUT EXC:	2,150	TOTAL WASTE:	2,800
BORROW EXC:	17,392		
TOTAL:	22,953	TOTAL:	22,953