

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: U-4709 COUNTY: Cumberland DATE: 7/25/2024 COMPILED BY: DWG SHEET 1 OF 1 SHEETS

LINE	STATION	STATION	EXCAVATION				EMBANKMENT				BORROW	WASTE							
			TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH		EMBANK. +25%	ROCK	SUITABLE	UNSUIT.	TOTAL			
PHASE I																			
SUMMARY NO. 1 (LT.)																			
-L-	10+45.00	16+49.51	998				998									998			998
-RND1-	10+00.00	13+14.16	736				736	497		497	621					115			115
TOTAL SUMMARY NO. 1			1,734				1,734	497		497	621					1,113			1,113
SUMMARY NO. 2 (LT.)																			
-L-	18+09.43	28+62.22	181				181	781		781	976								
-RND-	10+00.00	13+76.99	6				6	2,184		2,184	2,730								
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TOTAL SUMMARY NO. 2			187				187	2,965		2,965	3,706					3,519			
SUMMARY NO. 3 (LT.)																			
-L-	30+42.24	49+92.36	693				693	654		654	818								
-Y2-	10+00.00	12+65.89	141				141	126		126	158								
-Y3-	11+00.00	12+14.95	137				137	11		11	14					123			123
-Y3A-	11+00.00	12+31.75	48				48	24		24	30					18			18
-Y6-	10+25.00	11+99.65	305				305	2		2	3					302			302
-Y7-	10+53.70	11+92.77	128				128	45		45	56					72			72
-Y8-	10+25.00	11+75.94	202				202	38		38	48					154			154
TOTAL SUMMARY NO. 3			1,654				1,654	900		900	1,127					669			669
PHASE II																			
SUMMARY NO. 4 (RT.)																			
-L-	10+45.00	16+49.51	134				134	319		319	399					265			
TOTAL SUMMARY NO. 4			134				134	319		319	399					265			
SUMMARY NO. 5 (RT.)																			
-L-	18+09.43	28+62.22	299				299	589		589	736								
-Y1-	10+32.50	11+00.00	21				21	12		12	15					6			6
TOTAL SUMMARY NO. 5			320				320	601		601	751					6			6
SUMMARY NO. 6 (RT.)																			
-L-	30+42.24	49+92.36	464				464	7,200		7,200	9,000					8,536			
-Y2A-	10+60.00	12+25.00	61				61	291		291	364					303			
-Y5-	10+34.75	12+00.00	16				16	834		834	1,043					1,027			
-Y4-	10+30.88	12+00.00	9				9	412		412	515					506			
-Y7-	12+50.27	13+85.00	35				35	46		46	58					23			
-Y8-	12+33.44	13+00.00	8				8	150		150	188					180			
TOTAL SUMMARY NO. 6			593				593	8,933		8,933	11,168					10,575			
PHASE III																			
SUMMARY NO. 7 (LT.)																			
-Y-	7+35.00	14+51.65	567				567	82		82	103					465			465
TOTAL SUMMARY NO. 7			567				567	82		82	103					465			465

SUMMARY NO. 8 (LT.)														
-Y-	16+11.42	38+87.56	1,396			1,396	2,627		2,627	3,284	1,888			
-Y10-	10+50.00	11+60.09	15			15	130		130	163	148			
-Y11-	10+20.00	11+47.37	16			16	116		116	145	129			
-Y13-	10+85.00	12+12.69	11			11	402		402	503	492			
-Y12-	10+05.00	13+00.00	89			89	79		79	99	10			
TOTAL SUMMARY NO. 8			1,527			1,527	3,354		3,354	4,194	2,667			
PHASE IV														
SUMMARY NO. 9 (RT)														
-Y-	7+35.00	14+51.65	496			496	557		557	696	200			
TOTAL SUMMARY NO. 9			496			496	557		557	696	200			
SUMMARY NO. 10 (RT.)														
-Y-	16+11.42	38+87.56	652			652	2,476		2,476	3,095	2,443			
-Y-	39+44.74	40+96.65	73			73	4		4	5		68		68
-Y12-	13+00.00	15+53.00	97			97	11		11	14		83		83
TOTAL SUMMARY NO. 10			822			822	2,491		2,491	3,114	2,443	151		151
SUMMARY TOTALS			8,034			8,034	20,699		20,699	25,879	20,248	2,404		2,404
MATERIAL FOR SHOULDER CONSTRUCTION							340		340	425	425			
WASTE IN LIEU OF BORROW											-2,404	-2,404		-2,404
PROJECT TOTALS			8,034			8,034	21,039		21,039	26,304	18,269			
EST. 5% TO REPLACE TOPSOIL ON BORROW PIT											913			
GRAND TOTALS			8,034			8,034	21,039		21,039	26,304	19,182			
SAY			8,200								20,000			

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 UNIT.

DDE = 723 CY

SELECT GRANULAR MATERIAL, CLASS III = 900 CY

CLASS IV SUBGRADE STABILIZATION = 1,000 TONS

GEOTEXTILE FOR SOIL STABILIZATION = 400 SY

UNDERCUT = 400 CY

SHALLOW UNDERCUT = 500 CY

BALANCE EARTHWORK CHECK			
TOTAL UNCL. EXC:	8,034	EMB + %:	26,304
UNDERCUT EXC:		TOTAL WASTE:	
BORROW EXC:	18,269		
TOTAL:	26,303	TOTAL:	26,304