

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: R-5709C

COUNTY: Hoke

DATE: 8/9/2024

COMPILED BY: amacpherson

CHAIN	STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE				
			TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. (+)20%		ROCK	SUITABLE	UNSUIT.	TOTAL	
SUMMARY 2																	
-L- LT	361+50.00	384+00.00	7,026		310		7,026	6,612	6,612	7,934	908				310	310	
-L- RT	361+50.00	391+50.00	3,704				3,704	19,852	19,852	23,822	20,118						
-L- RT	391+50.00	421+50.00	308				308	180,993	180,993	217,192	216,884						
-L- RT	421+50.00	451+50.00	3,132		160		3,132	38,552	38,552	46,262	43,130				160	160	
-L- RT	451+50.00	481+50.00	94				94	36,968	36,968	44,362	44,268						
-L- RT	481+50.00	511+50.00	4,575				4,575	26,003	26,003	31,204	26,629						
-L- RT	511+50.00	541+50.00	2,807				2,807	27,931	27,931	33,517	30,710						
-L- RT	541+50.00	571+50.00	11,270		7,700		11,270	78,197	78,197	93,836	82,566				7,700	7,700	
-L- RT	571+50.00	601+50.00	3,100				3,100	23,290	23,290	27,948	24,848						
-L- RT	601+50.00	631+50.00	1,202				1,202	22,046	22,046	26,455	25,253						
-L- RT	631+50.00	661+50.00	5,979		1,450		5,979	19,442	19,442	23,330	17,351				1,450	1,450	
-L- RT	661+50.00	691+50.00	2,671		500		2,671	17,402	17,402	20,882	18,211				500	500	
-L- RT	691+50.00	721+50.00	6,485		4,780		6,485	20,681	20,681	24,817	18,332				4,780	4,780	
-L- RT	721+50.00	751+50.00	3,344		7,240		3,344	20,010	20,010	24,012	20,668				7,240	7,240	
-L- RT	751+50.00	781+50.00	3,245		5,950		3,245	11,556	11,556	13,867	10,622				5,950	5,950	
-L- RT	781+50.00	811+50.00	2,842		1,050		2,842	15,422	15,422	18,506	15,664				1,050	1,050	
-L- RT	811+50.00	823+00.00	16		1,360		16	4,882	4,882	5,858	5,842				1,360	1,360	
-RAB_L2-	10+00.00	14+02.12	14		400		14	4,360	4,360	5,232	5,218				400	400	
-L2B-	825+05.18	835+30.00	39				39	2,711	2,711	3,253	3,214						
-Y11-	10+48.18	12+45.00	7				7	198	198	238	231						
-Y11A-	10+25.00	12+18.70	26				26	494	494	593	567						
-Y11C-	10+15.00	11+85.66	2				2	372	372	446	444						
-Y11D-	10+00.00	15+25.90	6				6	17,922	17,922	21,506	21,500						
-Y12A-	10+46.49	17+70.89	34				34	1,010	1,010	1,212	1,178						
-Y14-	10+95.00	15+63.31	466				466	4,941	4,941	5,929	5,463						
-Y15-	11+75.00	15+09.60	8				8	1,016	1,016	1,219	1,211						
-Y16-	14+25.00	18+71.79	33				33	1,796	1,796	2,155	2,122						
-Y18-	12+25.00	15+17.08	51				51	116	116	139	88						
-Y19-	10+75.00	14+89.35	81				81	1,040	1,040	1,248	1,167						
-Y20-	12+85.00	15+29.36	9				9	168	168	202	193						
-Y22-	10+15.00	11+98.92	55				55	95	95	114	59						
-Y24-	11+65.00	15+24.06	583			160	423	466	466	559	136				160	160	
-Y25-	13+65.00	15+39.93	105				105	14	14	17				88		88	
-Y27-	9+50.00	13+06.46	34				34	1,034	1,034	1,241	1,207						
-DR7-	10+60.00	11+90.59						405	405	486	486						
-DR8-	10+85.00	12+10.60	33				33	426	426	511	478						
-DR10-	10+60.00	12+74.60	61				61	464	464	557	496						
-L/-DET_RAB-	816+67.07	829+44.33	2,473				2,473	225	225	270				2,203		2,203	
-DET_Y27-	10+70.00	15+64.13	1,339				1,339	1,060	1,060	1,272				67		67	
SUBTOTAL			67,259		30,900	160	67,099	610,172	610,172	732,206	667,466			2,358	31,060	33,418	
SHEET TOTALS			67,259		30,900	160	67,099	610,172	610,172	732,206	667,466			2,358	31,060	33,418	

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.

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CHAIN	STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE					
			TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. (+)20%		ROCK	SUITABLE	UNSUIT.	TOTAL		
SUMMARY 3																		
-L1- RT	328+00.00	362+00.00	4,104				4,104	9,857		9,857	11,828	7,724						
SUBTOTAL			4,104				4,104	9,857		9,857	11,828	7,724						
SUMMARY 4																		
-L- LT	384+00.00	414+00.00	3,122				3,122	14,440		14,440	17,328	14,206						
-L2- LT	414+00.00	444+00.00	5,917			190	5,727	9,596		9,596	11,515	5,788				190	190	
-L2- LT	444+00.00	448+00.00	14				14	1,430		1,430	1,716	1,702						
-L2- LT	449+50.00	479+50.00	4,140				4,140	8,525		8,525	10,230	6,090						
-L2- LT	479+50.00	509+50.00	4,510				4,510	10,917		10,917	13,100	8,590						
-L2- LT	509+50.00	539+50.00	2,900				2,900	8,080		8,080	9,696	6,796						
-L2- LT	539+50.00	552+00.00	834				834	4,988		4,988	5,986	5,152						
-L2- LT	562+00.00	592+00.00	2,277				2,277	22,859		22,859	27,431	25,154						
-L2- LT	592+00.00	622+00.00	1,512				1,512	12,046		12,046	14,455	12,943						
-L2- LT	622+00.00	652+00.00	2,344				2,344	7,359		7,359	8,831	6,487						
-L2- LT	652+00.00	682+00.00	7,867			910	6,957	7,369		7,369	8,843	1,886				910	910	
-L2- LT	682+00.00	712+00.00	6,086			3,270	2,816	4,808		4,808	5,770	2,954				3,270	3,270	
-L2- LT	712+00.00	742+00.00	3,107			730	2,377	11,121		11,121	13,345	10,968				730	730	
-L2- LT	742+00.00	772+00.00	4,500			2,250	2,250	5,569		5,569	6,683	4,433				2,250	2,250	
-L2- LT	772+00.00	799+00.00	4,394			930	3,464	4,663		4,663	5,596	2,132				930	930	
-L2- LT	802+00.00	823+00.00	2,831			1,020	1,811	3,248		3,248	3,898	2,087				1,020	1,020	
-L2- LT	448+00.00	449+50.00	151				151	827		827	992	841						
-L2- LT	552+00.00	562+00.00	1,881				1,881	10,431		10,431	12,517	10,636						
-L2- LT	799+00.00	802+00.00	167				167	123		123	148				19		19	
-Y11B-	10+47.00	13+25.00	7				7	116		116	139	132						
-Y11E-	10+47.44	12+75.00	15				15	143		143	172	157						
-Y12-	10+59.00	12+25.00	23				23	245		245	294	271						
-Y13-	10+48.66	19+15.00	4,592				4,592	723		723	868				3,724		3,724	
-Y17-	10+59.03	13+25.00	385			130	255	10		10	12				243	130	373	
-Y20A-	10+47.00	11+60.00	29				29	2		2	2				27		27	
-Y21-	10+59.33	12+75.00	325				325	45		45	54				271		271	
-Y23-	10+59.48	12+23.24	8				8	73		73	88	80						
-Y24A-	10+47.00	12+75.00	54				54	11		11	13				41		41	
-Y26-	10+79.52	26+00.00	3,145		1,550	1,150	1,995	2,180		2,180	2,616	621				2,700	2,700	
-Y26A-	10+29.60	15+25.22	170		140	60	110	1,243		1,243	1,492	1,382				200	200	
-SR1-	15+00.00	17+65.85	3				3	74		74	89	86						
SUBTOTAL			67,310		1,690	10,640	56,670	153,264		153,264	183,917	131,572			4,325	12,330	16,655	
SUMMARY 10 (DETOUR REMOVAL)																		
-DET_RAB-	11+50.00	26+50.00	490				490	1,611		1,611	1,933	1,443						
-DET_Y27-	11+00.00	16+00.00	853				853	154		154	185				669		669	
SUBTOTAL			1,343				1,343	1,764		1,764	2,117	1,443			669		669	
SHEET TOTALS			72,757		1,690	10,640	62,117	164,885		164,885	197,862	140,739			4,994	12,330	17,324	

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