

**Earthwork Balance Sheet**

Volumes in Cubic Yards

PROJECT:   R-2915E  

COUNTY:   ASHE  

DATE:   12/3/2019  

COMPILED BY:   Anton Gneushev  

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 1																	
-L- RT	668+50.00	698+50.00	54,723				54,723	11,263		11,263	13,516				41,207		41,207
-L- LT	668+50.00	698+50.00	6,705				6,705	5,146		5,146	6,175				530		530
-Y32A-	11+00.00	11+50.00	200				200	5		5	6				194		194
SUBTOTAL			61,628				61,628	16,414		16,414	19,697				41,931		41,931
SUMMARY 2																	
-L- RT	698+50.00	728+50.00	24,394				24,394	3,642		3,642	4,370				20,024		20,024
-L- LT	698+50.00	728+50.00	13,423				13,423	33,974		33,974	40,769	27,346					
-L- LT/RT	703+00.00	705+00.00	260				260								260		260
-Y33-	11+00.00	12+00.00	3				3	216		216	259	256					
SUBTOTAL			38,080				38,080	37,832		37,832	45,398	27,602			20,284		20,284
SUMMARY 3																	
-L- RT	728+50.00	758+50.00	2,680				2,680	1,231		1,231	1,477				1,203		1,203
-L- LT	728+50.00	758+50.00	95,284				95,284	18,782		18,782	22,538				72,746		72,746
-Y34-	11+00.00	12+00.00	354				354	67		67	80				274		274
-Y35-	11+00.00	15+50.00	93				93	3,760		3,760	4,512	4,419					
-Y35-	17+00.00	19+00.00	22				22	110		110	132	110					
-SR1-	25+50.00	26+00.00	27				27	83		83	100	73					
SUBTOTAL			98,460				98,460	24,033		24,033	28,840	4,602			74,222		74,222
SUMMARY 4																	
-L- RT	758+50.00	788+50.00	10,387				10,387	13,674		13,674	16,409	6,022					
-L- LT	758+50.00	788+50.00	1,757				1,757	13,720		13,720	16,464	14,707					
SUBTOTAL			12,144				12,144	27,394		27,394	32,873	20,729					
SUMMARY 5																	
-L- RT	788+50.00	818+50.00	786				786	7,805		7,805	9,366	8,580					
-L- LT	788+50.00	818+50.00	132				132	73,046		73,046	87,655	87,523					
-L- LT/RT	801+75.00	804+50.00	800			800									800		800
-Y36-	12+00.00	14+00.00	13				13	266		266	319	306					
-Y36-	15+50.00	17+50.00	14				14	87		87	104	90					
SUBTOTAL			1,745			800	945	81,204		81,204	97,445	96,500				800	800
SUMMARY 6																	
-L- RT	818+50.00	848+50.00	3,422				3,422	532		532	638				2,784		2,784
-L- LT	818+50.00	848+50.00	3,192				3,192	4,070		4,070	4,884	1,692					
-L- LT	834+50.00	835+50.00	790				790								790		790
SUBTOTAL			7,404				7,404	4,602		4,602	5,522	1,692			3,574		3,574
SHEET TOTALS			219,461			800	218,661	191,479		191,479	229,775	151,124			140,010	800	140,810

NOTE: THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.

BALANCE EARTHWORK CHECK			
TOTAL UNCL. EXC:	219,461	EMB+%:	229,775
UNDERCUT EXC:		TOTAL WASTE:	140,810
BORROW EXC:	151,124		
TOTAL:	370,585	TOTAL:	370,585



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CUMULATIVE TOTALS	EXCAVATION					EMBANKMENT				BORROW	WASTE				
	TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. (+)20%		ROCK	SUITABLE	UNSUIT.	TOTAL	
SHEET 1 SUMMARY	219,461			800	218,661	191,479		191,479	229,775	151,124			140,010	800	140,810
SHEET 2 SUMMARY	1,368				1,368	12		12	14				1,354		1,354
SHEET TOTALS	220,829			800	220,029	191,491		191,491	229,789	151,124			141,364	800	142,164
MATERIAL FOR SHOULDER CONSTRUCTION						19,700		19,700	23,640	23,640					
EARTH WASTE IN LIEU OF BORROW										-141,364			-141,364		-141,364
PROJECT TOTAL	220,829			800	220,029	211,191		211,191	253,429	33,400				800	800
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT										1,670					
GRAND TOTAL	220,829			800	220,029	211,191		211,191	253,429	35,070				800	800
SAY	220,830									35,080					
DRAINAGE DITCH EXCAVATION	18,900 C.Y.														
PAVEMENT STRUCTURE VOLUME IN CUT	16,712 C.Y.														
<b>*UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE USED IN TOP 3' OF EMBANKMENT OR BACKFILL</b> <b>-L- 703+00.00 TO 705+00.00 (260 CY) &amp; -L- 834+50.00 TO 835+50.00 (790 CY) &amp; 847+00.00 TO 849+50.00 (550 CY) PER GEOTECHNICAL</b>															

NOTE: THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.

BALANCE EARTHWORK CHECK			
TOTAL UNCL. EXC:	220,829	EMB+%:	253,429
UNDERCUT EXC:		TOTAL WASTE:	800
BORROW EXC:	35,070		
TOTAL:	255,899	TOTAL:	254,229

