

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: U-5748

COUNTY: Wake

DATE: 02/08/23

COMPILED BY: AECOM

SHEET __ OF __ SHEETS

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +20%		ROCK	SUITABLE	UNSUIT.	TOTAL
-L1- Sta. 19+50.00 Med	-L1- Sta. 40+50.00 Med	1,177				1,177	0		0	0	0	0	1,177	0	1,177
-L1- Sta. 23+42.00 LT	-L1- Sta. 26+02.75 LT	127				127	683	683	819	693	0	0	0	0	0
-L1- Sta. 26+01.98 RT	-L1- Sta. 28+62.23 RT	284				284	236	236	284	0	0	0	0	0	0
-Y10- Sta. 11+08.06	-Y10- Sta. 11+80	0				0	0	0	0	0	0	0	0	0	0
		0				0		0	0	0	0	0	0	0	0
	SUBTOTAL	1,588	0	0	0	1,588	919	0	919	1,103	693	0	1,177	0	1,177
-L1- Sta. 44+90.06 Med	-L1- Sta. 61+60.00 Med	937				937	6	6	7	0	0	930	0	930	
-L1- Sta. 47+54.84 LT	-L1- Sta. 50+40.22 LT	106				106	1,728	1,728	2,073	1,967	0	0	0	0	
-L1- Sta. 72+00.00 RT	-L1- Sta. 73+73.50 RT	0				0	5	5	6	6	0	0	0	0	
		0				0		0	0	0	0	0	0	0	
	SUBTOTAL	1,042	0	0	0	1,042	1,738	0	1,738	2,086	1,973	0	930	0	930
-L- Sta. 15+50.00 LT	-L- Sta. 23+38.00 LT (Begin Bridge)	448				448	438	438	526	78	0	0	0	0	
-L- Sta. 18+10.00 RT	-L- Sta. 23+38.00 (Begin Bridge)	390				390	1,217	1,217	1,460	1,070	0	0	0	0	
		0				0		0	0	0	0	0	0	0	
	SUBTOTAL	838	0	0	0	838	1,654	0	1,654	1,986	1,148	0	0	0	0
-L- Sta. 26+37.00 LT (End Bridge)	-L- Sta. 33+68.82 LT	1,351				1,351	3,392	3,392	4,070	2,719	0	0	0	0	
-L- Sta. 26+37.00 RT (End Bridge)	-L- Sta. 33+68.82 RT	6,240				6,240	4,914	4,914	5,897	0	0	343	0	343	
-Y1- Sta. 10+71.00	-Y1- Sta. 13+20.00	2,282				2,282	63	63	76	0	0	2,206	0	2,206	
-Y4- Sta. 11+50.00	-Y4- Sta. 16+22.36	332				332	37	37	44	0	0	288	0	288	
-Y5- Sta. 10+83.00	-Y5- Sta. 12+85.27	48				48	63	63	76	28	0	0	0	0	
		0				0		0	0	0	0	0	0	0	
	SUBTOTAL	10,253	0	0	0	10,253	8,468	0	8,468	10,163	2,747	0	2,837	0	2,837
-L- Sta. 33+68.82 LT	-L- Sta. 50+50.00 LT	5,340				5,340	4,011	4,011	4,813	0	0	528	0	528	
-L- Sta. 33+68.82 RT	-L- Sta. 50+50.00 RT	2,022				2,022	15,815	15,815	18,978	16,956	0	0	0	0	
		0				0		0	0	0	0	0	0	0	
	SUBTOTAL	7,362	0	0	0	7,362	19,825	0	19,825	23,790	16,956	0	528	0	528
-Y2- Sta. 12+00.00	-Y2- Sta. 33+45.68	61,062				61,062	8,997	8,997	10,796	0	0	50,266	0	50,266	
-Y3- Sta. 11+00.00	-Y3- Sta. 14+93.84	1,638				1,638	59	59	71	0	0	1,567	0	1,567	
		0				0		0	0	0	0	0	0	0	
	SUBTOTAL	62,700	0	0	0	62,700	9,056	0	9,056	10,867	0	0	51,833	0	51,833
-L- Sta. 50+50.00 LT	-L- Sta. 58+50.00 LT	1,657				1,657	4,771	4,771	5,726	4,069	0	0	0	0	
-L- Sta. 50+50.00 RT	-L- Sta. 58+50.00 RT	126				126	6,133	6,133	7,360	7,234	0	0	0	0	
-DRIVE1- Sta. 11+50.00	-DRIVE1- Sta. 12+37.08	125				125	9	9	11	0	0	114	0	114	
-DRIVE2- Sta. 10+83.00	-DRIVE2- Sta. 11+50.00	38				38	4	4	4	0	0	34	0	34	
-DRIVE3- Sta. 10+69.21	-DRIVE3- Sta. 12+00.00	202				202	30	30	36	0	0	166	0	166	
-DRIVE4- Sta. 10+24.54	-DRIVE4- Sta. 11+25.00	24				24	106	106	127	103	0	0	0	0	
-DET 1- Sta. 10+00.00	-DET 1- Sta. 20+00.00	92				92	782	782	939	847	0	0	0	0	
	SUBTOTAL	2,173	0	0	0	2,173	11,053	0	11,053	13,264	11,405	0	314	0	314
-L- Sta. 58+50.00 LT	-L- Sta. 85+50.00 LT	9,218	713			8,505	3,305	3,305	3,966	0	713	4,539	0	5,252	
-L- Sta. 58+50.00 RT	-L- Sta. 85+50.00 RT	2,622	713			1,909	6,319	6,319	7,583	4,961	713	0	0	713	
-DET 1- REM Sta. 10+00.00	-DET 1- REM Sta. 20+00.00	782				782	0	0	0	0	0	782	0	782	

	SUBTOTAL	12,622	1,426	0	0	11,196	9,624	0	9,624	11,549	5,674	1,426	5,321	0	6,747
TOTAL		98,578	1,426	0	0	97,152	62,337	0	62,337	74,808	40,596	1,426	62,939	0	64,365
LOSS DUE TO CLEARING & GRUBBING		-13,600				-13,600	0			0	13,600				0
UNSUITABLE MATERIAL		9,100			9,100					0			0	9,100	9,100
WASTE IN LIEU OF BORROW		0					0				-54,196		-54,196		-54,196
PROJECT TOTAL		94,078	1,426	0	9,100	83,552	62,337	0	62,337	74,808	0	1,426	8,743	9,100	19,270
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT											0				
GRAND TOTAL		94,078	1,426	0	9,100	83,552	62,337	0	62,337	74,808	0	1,426	8,743	9,100	19,269
SAY		94,100									0				

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.