

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT I-2513AA (I-40)

COUNTY: Buncombe

DATE: 2/9/2024

COMPILED BY: T. CAREY

SHEET 1 OF 3 SHEETS

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE				
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +15%		ROCK	SUITABLE	UNSUIT.	TOTAL	
-YLT- 18+75.00	36+50.00	34		403		34	3,412		3,412	3,924	3,890			403	403	
-YLT- 36+50.00	45+80.15 (BRIDGE)	0		216		0	0	0	0	0	0			216	216	
	SUBTOTAL	34		619		34	3,412		3,412	3,924	3,890			619	619	
-YLT- 47+44.25 (BRIDGE)	53+24.24 (BRIDGE)	0		103		0	0	0	0	0	0			103	103	
	SUBTOTAL	0		103		0	0	0	0	0	0			103	103	
-YLT- 55+44.78 (BRIDGE)	85+00.00	11,333		2,194	505	10,828	23,423		23,423	26,936	16,108			2,699	2,699	
	SUBTOTAL	11,333		2,194	505	10,828	23,423		23,423	26,936	16,108			2,699	2,699	
-YLT- 85+00.00	92+44.00	1,273		651		1,273	2,853		2,853	3,281	2,008			651	651	
	SUBTOTAL	1,273		651		1,273	2,853		2,853	3,281	2,008			651	651	
-YRT- 18+75.00	38+00.00	265		351		265	597		597	687	422			351	351	
-YRT- 38+00.00	45+80.15 (BRIDGE)	0		154		0	0	0	0	0	0			154	154	
	SUBTOTAL	265		505		265	597		597	687	422			505	505	
-YRT- 47+44.25 (BRIDGE)	53+24.24 (BRIDGE)	0		160		0	0	0	0	0	0			160	160	
	SUBTOTAL	0		160		0	0	0	0	0	0			160	160	
-YRT- 55+44.78 (BRIDGE)	85+00.00	10,864		1,822	420	10,444	2,757		2,757	3,171			7,273	2,242	9,515	
	SUBTOTAL	10,864		1,822	420	10,444	2,757		2,757	3,171			7,273	2,242	9,515	
-YRT- 85+00.00	92+44.00	4,680		617		4,680	3,171		3,171	3,647			1,033	617	1,650	
	SUBTOTAL	4,680		617		4,680	3,171		3,171	3,647			1,033	617	1,650	
	SHEET TOTAL	28,449		6,671	925	27,524	36,213		36,213	41,645	22,428			8,307	7,596	15,903

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.

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT I-2513AA (I-40)

COUNTY: Buncombe

DATE: 2/9/2024

COMPILED BY: T. CAREY

SHEET 2 OF 3 SHEETS

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +15%		ROCK	SUITABLE	UNSUIT.	TOTAL
-Y_WB- 10+44.00	20+82.00	9,651		377		9,651	4,458		4,458	5,127			4,524	377	4,901
	SUBTOTAL	9,651		377		9,651	4,458		4,458	5,127			4,524	377	4,901
-Y_EB- 10+44.00	15+08.00	946		199		946	1,263		1,263	1,452	506			199	199
	SUBTOTAL	946		199		946	1,263		1,263	1,452	506			199	199
	SUBTOTAL														
	SUBTOTAL														
	SUBTOTAL														
	SUBTOTAL														
	SUBTOTAL														
	SUBTOTAL														
	SUBTOTAL														
	SUBTOTAL														
	SUBTOTAL														
	SHEET TOTAL	10,597		576		10,597	5,721		5,721	6,579	506		4,524	576	5,100

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.

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: I-2513AA (I-40)

COUNTY: Buncombe

DATE: 2/9/2024

COMPILED BY: T. CAREY

SHEET 3 OF 3 SHEETS

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +15%		ROCK	SUITABLE	UNSUIT.	TOTAL
	TOTAL FROM SHEET 1	28,449		6,671	925	27,524	36,213		36,213	41,645	22,428		8,307	7,596	15,903
	TOTAL FROM SHEET 2	10,597		576		10,597	5,721		5,721	6,579	506		4,524	576	5,100
		39,046		7,247	925	38,121	41,934		41,934	48,224	22,934		12,831	8,172	21,003
	LOSS DUE TO CLEARING & GRUBBING	-2,408				-2,408					2,408				
	ADDITIONAL UNDERCUT			2,650			2,650		2,650	3,048	3,048			2,650	2,650
	EST. SHOULDER MATERIAL						2,000		2,000	2,300	2,300				
	SELECT GRANULAR MATERIAL IN LIEU OF BORROW						-2,000		-2,000	-2,300	-2,300				
	WASTE IN LIEU OF BORROW										-12,831		-12,831		-12,831
	PROJECT TOTAL	36,638		9,897	925	35,713	44,584		44,584	51,272	15,559			10,822	10,822
	EST. 5% TO REPLACE TOP SOIL ON BORROW PIT										778				
	GRAND TOTAL	36,638		9,897	925	35,713	44,584		44,584	51,272	16,337			10,822	10,822
	SAY	36,650		9,900							16,350				

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.

UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE USED IN TOP 3FT OF EMBANKMENT OR BACKFILL (PER GEOTECH RECS LETTER 9/15/2023: -Y- 50+75 to 52+75 = 575CY, -Y_WB- 15+25 to 17+25 = 725CY)
 EST. DDE = 2,030 CUBIC YARDS