

**(AA2) Earthwork Balance Sheet** *ALTERNATIVE PAVEMENT DESIGN - ABC under Curb and Gutter*

Volumes in Cubic Yards

PROJECT: U-5783

COUNTY: Henderson

DATE: 3/6/2024

COMPILED BY: MATTERN & CRAIG

SHEET 1 OF 1 SHEETS

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +15%		ROCK	SUITABLE	UNSUIT.	TOTAL
-L- STA 12+00	-L- STA 14+21.48	218				218	312		312	359	141				
-Y1- STA 10+65.00	-Y1- STA 16+80.00	1,855				1,855	288		288	331			1,524		1,524
-Y2- STA 10+65.00	-Y2- STA 12+85.00	32				32	1,696		1,696	1,951	1,919				
-DR5- STA 13+50	-DR5- STA 14+74.64	8				8	215		215	247	239				
-GW1- STA 201+55	-GW1- STA 206+00	283				283	2,402		2,402	2,762	2,479				
	<b>SUBTOTAL NO.1</b>	2,396				2,396	4,913		4,913	5,650	4,778		1,524		1,524
-L- STA 14+21.48	-L- STA 24+12.95	4,444				4,444	3,849		3,849	4,427			18		18
-Y1A- STA 20+50.00	-Y1A- STA 22+59.61	69				69	894		894	1,029	960				
-Y3- STA 10+65.00	-Y3- STA 13+60.00	281				281	2,038		2,038	2,343	2,062				
-GW2- STA 212+65	-GW2- STA 217+20						1,475		1,475	1,697	1,697				
	<b>SUBTOTAL NO.2</b>	4,794				4,794	8,256		8,256	9,496	4,719		18		18
-L- STA 24+12.95	-L- STA 35+96.80	2,632				2,632	2,454		2,454	2,823	191				
-Y4- STA 10+08.00	-Y4- STA 12+19.85	783				783	13		13	15			768		768
-Y5- STA 10+00.00	-Y5- STA 12+32.30	2,447				2,447							2,447		2,447
	<b>SUBTOTAL NO.3</b>	5,862				5,862	2,467		2,467	2,838	191		3,215		3,215
-L- STA 35+96.80	-L- STA 46+47.96	2,823				2,823	2,447		2,447	2,814			9		9
-Y6- STA 10+20.00	-Y6- STA 11+86.77	54				54	131		131	150	96				
-Y7- STA 10+65.00	-Y7- STA 12+90.00	8				8	1,225		1,225	1,409	1,401				
	<b>SUBTOTAL NO.4</b>	2,885				2,885	3,803		3,803	4,372	1,496		8		8
-L- STA 46+47.96	-L- STA 72+20.00	8,944				8,944	8,469		8,469	9,740	796				
-Y8- STA 10+25.60	-Y8- STA 12+70.00	11				11	425		425	488	477				
-Y9- STA 10+25.89	-Y9- STA 12+00.00	104				104	154		154	178	74				
-Y10- STA 10+30.00	-Y10- STA 11+27.12	146				146	16		16	18			128		128
-Y11- STA 10+50.00	-Y11- STA 11+74.25	173				173							173		173
-Y12- STA 9+00.00	-Y12- STA 15+62.63	447				447	3,591		3,591	4,130	3,683				
-Y13- 10+37.76	-Y13- 16+05.00	1,534				1,534	249		249	286			1,248		1,248
-DR10- STA 10+10.00	-DR10- STA 11+37.60	62				62	3		3	3			59		59
	<b>SUBTOTAL NO.5</b>	11,421				11,421	12,907		12,907	14,843	5,030		1,608		1,608
<b>TOTAL</b>		27,358				27,358	32,346		32,346	37,199	16,214		6,373		6,373
MATERIAL FOR SHOULDER CONSTRUCTION							1,300		1,300	1,495	1,495				
LOSS DUE TO CLEARING & GRUBBING		-600				-600					600				
WASTE IN LIEU OF BORROW											-6,373		-6,373		-6,373
<b>PROJECT TOTAL</b>		26,758				26,758	33,646		33,646	38,694	11,936				
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT											597				
<b>GRAND TOTAL</b>		26,758				26,758	33,646		33,646	38,694	12,533				
<b>SAY</b>		27,000									13,000				

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.

EST. DDE = 90 CUBIC YARDS