

Earthwork Balance Sheet															
PROJECT: B-5777		COUNTY: Davidson				DATE: 3/26/2025		COMPILED BY: RS&H		SHEET 1 OF 2 SHEETS					
STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +20%		ROCK	SUITABLE	UNSUIT.	TOTAL
PHASE II:															
-L- 18+00.00 LT	-L- 19+88.77 LT (BEGIN BRIDGE)	786				786	908		908	1,090	304				
-L- 21+39.27 LT (END BRIDGE)	-L- 23+00.00 LT	10				10	2,321		2,321	2,785	2,775				
-L- 18+00.00 RT	-L- 19+88.77 RT (BEGIN BRIDGE)	27				27	155		155	186	159				
-L- 21+39.27 RT (END BRIDGE)	-L- 23+00.00 RT	6				6	587		587	704	698				
-Y1- 16+81.27 RT	-Y1- 18+11.82 RT	2,326				2,326	10		10	12			2,314		2,314
-Y1- 17+14.32 LT	-Y1- 18+20.79 LT	96				96	293		293	352	256				
	SUBTOTAL	3,251				3,251	4,274		4,274	5,129	4,192		2,314		2,314
PHASE IV:															
-RPB- 13+25.00	-RPB- 15+50.00	20				20	850		850	1,020	1,000				
-L- 23+00.00 LT	-L- 31+45.00 LT	27				27	2,518		2,518	3,022	2,995				
-L- 23+00.00 RT	-L-26+50.00 RT	160				160	145		145	174	14				
	SUBTOTAL	207				207	3,513		3,513	4,216	4,009				
PHASE V:															
-RPC- 11+80.00	-RPC- 14+81.25	17				17	523		523	628	611				
-L- 10+00.00 LT	-L- 18+00.00 LT	332				332	1,426		1,426	1,711	1,379				
-L- 14+30.00 RT	-L- 18+00.00 RT	235				235	122		122	146			89		89
	SUBTOTAL	584				584	2,071		2,071	2,485	1,990		89		89
PHASE VI:															
-RPD- 14+20.00	-RPD- 15+80.00	115				115	75		75	90			25		25
-Y1- 17+88.12 RT	-Y1- 18+39.44 RT	644				644							644		644
-L- 10+00.00 RT	-L- 19+88.77 RT (BEGIN BRIDGE)	363				363	359		359	431	68				
	SUBTOTAL	1,122				1,122	434		434	521	68		669		669
SHEET TOTAL		5,164				5,164	10,292		10,292	12,351	10,259		3,072		3,072
TOTALS FROM SHEET 2		8,030				8,030	1,016		1,016	1,219	193		7,004		7,004
TOTAL		13,194				13,194	11,308		11,308	13,570	10,452		10,076		10,076
MATERIAL FOR SHOULDER CONSTRUCTION									380	456	456				
LOSS DUE TO CLEARING & GRUBBING		-100				-100					100				
ADDITIONAL UNDERCUT															
ROCK WASTE TO REPLACE BORROW															
ADJUST FOR ROCK WASTE															
WASTE IN LIEU OF BORROW											-2,575		-2,575		-2,575
PROJECT TOTAL		13,094				13,094	11,308		11,688	14,026	8,433		7,501		7,501
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT											422				
GRAND TOTAL		13,094				13,094	11,308		11,688	14,026	8,854		7,501		7,501
SAY		13,100									9,000				

NOTE: EARTHWORK QUANTITIES ARE CALCULATED BY RS&H. THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY ECS SOUTHEAST, LLC.

EST. SHALLOW UNDERCUT = 200 CUBIC YARDS
EST. SHALLOW UNDERCUT 26+50.00 TO 28+00.00 = 125 CUBIC YARDS
TOTAL SHALLOW UNDERCUT = 325 CUBIC YARDS
CLASS IV SUBGRADE STABILIZATION = 500 TONS
PER GEOTECH RECOMMENDATION, ESTIMATED 900 CUBIC YARDS OF UNDERCUT TO BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER.

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: B-5777 COUNTY: Davidson DATE: 3/26/2025 COMPILED BY: RS&H SHEET 2 OF 2 SHEETS

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +20%		ROCK	SUITABLE	UNSUIT.	TOTAL
PHASE VII:															
-RPA- 12+80.00	-RPA- 14+50.00	11				11	110		110	132	121				
-L- 21+70.00 RT	-L- 31+45.00 RT	236				236	257		257	308	72				
	SUBTOTAL	247				247	367		367	440	193				
PHASE VIII:															
-Y1- 14+60.00 LT	-Y1- 21+25.00 LT	1,682				1,682	522		522	626			1,056		1,056
-Y1- 14+60.00 RT	-Y1- 21+25.00 RT	5,930				5,930	75		75	90			5,840		5,840
	SUBTOTAL	7,612				7,612	597		597	716			6,896		6,896
PHASE IX:															
-Y1- 14+60.00 LT	-Y1- 21+25.00 LT	84				84	29		29	35			49		49
-Y1- 14+60.00 RT	-Y1- 21+25.00 RT	87				87	23		23	28			59		59
		171				171	52		52	63			108		108
	SUBTOTAL														
	SUBTOTAL														
	SUBTOTAL														
	SHEET TOTAL	8,030				8,030	1,016		1,016	1,219	193		7,004		7,004

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