

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: BR-0043

COUNTY: Rockingham

DATE: 2/14/2023

COMPILED BY: AECOM

SHEET 1 OF 1 SHEET

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE				
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +20%		ROCK	SUITABLE	UNSUIT.	TOTAL	
-L- Sta. 20+50.00	-L- Sta. 24+97.13 (Begin Bridge)	487				487	6,732		6,732	8,078	7591		0			0
-RPA- Sta. 16+65.00	-RPA- Sta. 18+04.61	96				96	78		78	94	0		3			3
-RPB- Sta. 20+90.00	-RPB- Sta. 22+73.75	502				502	31		31	37	0		465			465
	SUBTOTAL	1,086				1,086	6,841		6,841	8,209	7591		467			467
-L- Sta. 26+64.63 (End Bridge)	-L- Sta. 39+06.56	781				781	9,931		9,931	11,917	11,136		0			0
-RPC- Sta. 17+00.00	-RPC- Sta. 20+16.33	19				19	1,231		1,231	1,478	1,459		0			0
-RPD- Sta. 18+75.00	-RPD- Sta. 22+39.64	19				19	2,993		2,993	3,592	3,573		0			0
		0				0			0	0	0		0			0
		0				0			0	0	0		0			0
	SUBTOTAL	819				819	14,156		14,156	16,987	16,168		0			0
-Y- Sta. 23+00.00	-Y- Sta. 37+00.00	3,384				3,384	1,163		1,163	1,396	0		1988			1988
		0				0			0	0	0					0
		0				0			0	0	0					0
		0				0			0	0	0					0
	SUBTOTAL	3,384				3,384	1,163		1,163	1,396	0		1988			1988
		0				0			0	0	0					0
		0				0			0	0	0					0
		0				0			0	0	0					0
		0				0			0	0	0					0
	SUBTOTAL	0				0	0		0	0	0					0
		0				0			0	0	0					0
		0				0			0	0	0					0
		0				0			0	0	0					0
		0				0			0	0	0					0
	SUBTOTAL	0				0	0		0	0	0					0
	TOTAL	5,289				5,289	22,160		22,160	26,592	23,759		2,456			2,456
MATERIAL FOR SHOULDER CONSTRUCTION							1,749		1,749	2,099	2,099					
WASTE IN LIEU OF BORROW											-2,456		-2,456			-2,456
LOSS DUE TO CLEARING & GRUBBING						-350					350					
PROJECT TOTAL		4,939				4,939	23,909		23,909	28,691	23,752		0			0
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT											1,188					
GRAND TOTAL		4,939									24,940		0			0
SAY		5,000									25,000					

DDE = 120 CY
 NOTE: THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.
 UNDERCUT EXCAVATION = 450 CY
 SELECT GRANULAR MATERIAL = 200 CY
 GEOTEXTILE FOR SOIL STABILIZATION = 3,410 SY
 SHALLOW UNDERCUT = 820 CY
 CLASS IV SUBGRADE STABILIZATION = 1870 TON
 *PER GEOTECH RECOMMENDATION, UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE USED IN THE TOP 3' OF EMBANKEMENT OR BACKFILL -RPB- 20+90 - 22+25 = 470 CY