

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: BR-0094

COUNTY: Rockingham

DATE: 6/3/2022

COMPILED BY: KDA

SHEET 1 OF 1 SHEETS

LINE	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. 15+50.00	STA. 19+26.70 BB	137				137	1,466		1,466	1,759	1,622				
-L-	STA. 21+48.70 EB	STA. 26+00.00	17				17	1,904		1,904	2,285	2,268				
		SUBTOTAL	154				154	3,370		3,370	4,044	3,890				
-RPA-	STA. 15+25.00	STA. 16+17.59	8				8	26		26	31	23				
-RPB-	STA. 10+13.77	STA. 11+25.00	185				185	48		48	58			127		127
-RPC-	STA. 10+14.14	STA. 12+00.00	9				9	193		193	232	223				
-RPD-	STA. 12+00.00	STA. 13+94.40	18				18	278		278	334	316				
		SUBTOTAL	220				220	545		545	654	561			127	127
		SUBTOTAL														
		SUBTOTAL														
		TOTAL	374				374	3,915		3,915	4,698	4,451			127	127
		MATERIAL FOR SHOULDER CONSTRUCTION LOSS DUE TO CLEARING & GRUBBING	-100				-100	140		140	168	168				
		WASTE IN LIEU OF BORROW										-127			-127	-127
		PROJECT TOTAL	274				274	4,055		4,055	4,866	4,592				
		EST. 5% TO REPLACE TOP SOIL ON BORROW PIT										230				
		GRAND TOTAL	274					4,055		4,055	4,866	4,821				
		SAY	300									4,900				

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 = 2 CY

TOTAL SHALLOW UNDERCUT = 200 CUBIC YARDS

EST. CLASS IV SUBGRADE STABILIZATION = 400 TONS

PER GEOTECH RECOMMENDATION, ESTIMATED 300 CUBIC YARDS OF UNDERCUT TO BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER.