

# Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: BR-0044

COUNTY: Rockingham

DATE: 2/4/2020

COMPILED BY: T. Klotz

SHEET \_\_\_ OF \_\_\_ SHEETS

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +20%		ROCK	SUITABLE	UNSUIT.	TOTAL
-L- 10+75	-L- 19+36.29 (BEGIN BRIDGE)	5,678				5,678	12,274		12,274	14,729	9,050				
-L- 24+57.71 (END BRIDGE)	-L- 33+30	3,903			2,822	1,081	13,549		13,549	16,259	15,178			2,822	2,822
	<b>SUBTOTAL</b>	9,581			2,822	6,758	25,822		25,822	30,987	24,228			2,822	2,822
	<b>SUBTOTAL</b>														
	<b>SUBTOTAL</b>														
	<b>SUBTOTAL</b>														
	<b>SUBTOTAL</b>														
	<b>SUBTOTAL</b>														
	<b>TOTAL</b>	9,581			2,822	6,758	25,822		25,822	30,987	24,228			2,822	2,822
MATERIAL FOR SHOULDER CONSTRUCTION							460		460	552	552				
LOSS DUE TO CLEARING & GRUBBING		-1,000				-1,000					1,000				
ADDITIONAL UNDERCUT															
ROCK WASTE TO REPLACE BORROW															
ADJUST FOR ROCK WASTE															
WASTE IN LIEU OF BORROW															
	<b>PROJECT TOTAL</b>	8,581			2,822	5,758	26,282		26,282	31,539	25,780			2,822	2,822
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT											1,289				
	<b>GRAND TOTAL</b>	8,581			2,822	5,758	26,282		26,282	31,539	27,069			2,822	2,822
	<b>SAY</b>	8,600								31,600	27,100				

Pavement Structure Volume = 1,585 CY

NOTE: THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.

DDE = 890 CY

CONTINGENCY ITEMS PER NCDOT GEOTECHNICAL REPORT - DESIGN AND CONSTRUCTION RECOMMENDATIONS, DATED OCTOBER 8, 2019

UNDERCUT EXCAVATION = 2,300 CY

SELECT GRANULAR MATERIAL = 2,200 CY

GEOTEXTILE FOR SOIL STABILIZATION = 2,500 SY

SHALLOW UNDERCUT = 100 CY

CLASS IV SUBGRADE STABILIZATION = 200 TONS

6" PERFORATED SUBDRAIN PIPE = 300 LF

SEALING ABANDONED WELLS = 1 EA