

# Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: 17BP.14.R.212

COUNTY: Jackson

DATE: 3/16/2022

COMPILED BY: T. Nathan Bedenbaugh

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. 11+14.45 TO STA. 19+54.88 (BEGIN BRIDGE)		933	190			743	1,101	228	873	1,232	299				
-L- STA. 20+27.13 (END BRIDGE) TO STA. 28+00.00		86				86	4,081		4,081	4,693	4,607				
	<b>SUBTOTAL</b>	1,019	190			829	5,182	228	4,954	5,925	4,906				
-Y1- STA. 10+00.00 TO STA. 12+81.54		426				426	232		232	267			159		159
-Y2- STA. 10+15.00 TO STA. 12+00.00		280				280	325		325	374	94				
	<b>SUBTOTAL</b>	706				706	557		557	640	93		159		159
-DR1- STA. 10+52.00 TO STA. 10+75.00		13				13							13		13
-DR2- STA. 10+19.75 TO STA. 11+50.00		5				5	134		134	154	149				
	<b>SUBTOTAL</b>	18				18	134		134	154	149		13		13
-Y1DET- STA. 10+00.00 TO STA. 13+50.00		29				29	390		390	449	420				
-Y1DET- STA. 14+24.00 TO STA. 15+34.00							207		207	238	238				
-Y1DET- REMOVAL STA. 10+00.00 TO STA. 13+50.00		90				90							90		90
-Y1DET- REMOVAL STA. 14+24.00 TO STA. 15+34.00		149				149							149		149
	<b>SUBTOTAL</b>	268				268	597		597	686	657		239		239
	<b>TOTAL</b>	2,011	190			1,821	6,470	228	6,242	7,405	5,805		411		411
<b>MATERIAL FOR SHOULDER CONSTRUCTION</b>							200		200	230	230				
<b>WASTE IN LIEU OF BORROW</b>													-411		-411
	<b>PROJECT TOTAL</b>	2,011	190			1,821	6,670	228	6,442	7,635	5,624				
<b>EST. 5% TO REPLACE TOP SOIL ON BORROW PIT</b>											281				
	<b>GRAND TOTAL</b>	2,011	190			1,821	6,670	228	6,442	7,635	5,905				
	<b>SAY</b>	2,025								7,650	5,925				

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.

PAVEMENT STRUCTURE VOLUME (PAVEMENT & SHOULDER MATERIAL QUANTITY IN EXC. AREAS FOR -L-, -Y1- & -Y2-) = 895 CUBIC YARDS

EST. DDE = 110 CUBIC YARDS

EST. SHALLOW UNDERCUT = 100 CUBIC YARDS

CLASS IV SUBGRADE STABILIZATION = 200 TONS

EST. SELECT GRANULAR MATERIAL = 400 CUBIC YARDS

PER GEOTECH RECOMMENDATION, ESTIMATED 450 CUBIC YARDS OF UNDERCUT TO BE USED IN THE DISCRETION OF THE RESIDENT ENGINEER.