

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: BR-0063

COUNTY: Anson

DATE: 9/26/2024

COMPILED BY: PRITHIVIRAJ RAJA, PE

SHEET 1 OF 1 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-9+75.00	-L-18+63.75 (Begin Bridge)	825				825	14,330		14,330	17,196	16,371				
-L-21+66.25(End Bridge)	-L-30+25.00	2,230		700		2,230	3,185		3,185	3,822	1,592			700	700
	SUBTOTAL	3,055		700		3,055	17,515		17,515	21,018	17,963			700	700
	TOTAL	3,055		700		3,055	17,515		17,515	21,018	17,963			700	700
MATERIAL FOR SHOULDER CONSTRUCTION							294		294	353	353				
ADDITIONAL UNDERCUT				400										400	400
	PROJECT TOTAL	3,055		1,100		3,055	17,809		17,809	21,371	18,316			1,100	1,100
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT											916				
	GRAND TOTAL	3,055		1,100		3,055	17,809		17,809	21,371	19,231			1,100	1,100
	SAY	3,100									19,250				

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

NOTE: APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, FINE GRADING, CLEARING AND GRUBBING, AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR GRADING.

NOTE: A PORTION OF THE UNCLASSIFIED MATERIAL THAT IS ACCEPTABLE, BUT NOT TO BE USED IN THE TOP OF 3' EMBANKMENT OR BACKFILL. THESE SOILS MAY BE UTILIZED IN AREAS OUTSIDE THE PAVEMENT SECTION OR IN LOWER PORTION OF HIGH FILLS AT THE DISCRETION OF THE ENGINEER. PLEASE REFER GEOTECH RECOMMENDATIONS FOR MORE DETAILS.

EST. DDE = 860 CUBIC YARDS

EST. SHALLOW UNDERCUT = 100 CUBIC YARDS

EST. SHALLOW UNDERCUT BY STATIONS = 0 CUBIC YARDS

TOTAL SHALLOW UNDERCUT (CONTINGENCY) = 100 CUBIC YARDS

CLASS IV SUBGRADE STABILIZATION = 190 TON

BALANCE EARTHWORK CHECK			
TOTAL UNCL. EXC:	3,055	EMB + %:	21,371
UNDERCUT EXC:	1,100	TOTAL WASTE:	1,100
BORROW EXC:	19,231		
TOTAL:	23,386	TOTAL:	22,471