

Earthwork Balance Sheet

PROJECT: BR-0090

COUNTY: Halifax & Nash

Volumes in Cubic Yards
DATE: 5/31/2024

COMPILED BY: RLC

SHEET__ OF __ SHEETS

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +25%		ROCK	SUITABLE	UNSUIT.	TOTAL
-LDET- Sta. 10+85.03	-LDET- Sta. 15+54.20	13				13	5,968		5,968	7,460	7,447				
-LDET- Sta. 17+59.41	-LDET- Sta. 22+31.04	16				16	6,237		6,237	7,796	7,780				
	SUBTOTAL	29				29	12,205		12,205	15,256	15,227				
-L- Sta. 12+15.00	-L- Sta. 15+49.00	31				31	1,483		1,483	1,854	1,823				
-L- Sta. 17+59.00	-L- Sta. 20+95.00	60				60	1,330		1,330	1,663	1,603				
	SUBTOTAL	91				91	2,813		2,813	3,517	3,426				
-LDET- Sta. 10+85.03	-L- Sta. 15+54.20	4,713				4,713								4,713	4,713
-LDET- Sta. 17+59.41	-L- Sta. 22+00.00	5,461				5,461								5,461	5,461
	SUBTOTAL	10,174				10,174								10,174	10,174
	SUBTOTAL														
TOTAL		10,294				10,294	15,018		15,018	18,773	18,653			10,174	10,174
MATERIAL FOR SHOULDER CONSTRUCTION							182		182	228	228				
LOSS DUE TO CLEARING & GRUBBING															
ADDITIONAL UNDERCUT															
ROCK WASTE TO REPLACE BORROW															
ADJUST FOR ROCK WASTE															
WASTE IN LIEU OF BORROW															
PROJECT TOTAL		10,294				10,294	15,200		15,200	19,001	18,881			10,174	10,174
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT											944				
GRAND TOTAL		10,294				10,294	15,200		15,200	19,001	19,825			10,174	10,174
SAY		10,500									20,000				

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 = 900 CUBIC YARDS
EST. SHALLOW UNDERCUT = 100 CY
CLASS IV SUBGRADE STABILIZATION = 200 TONS
PER GEOTECH RECOMMENDATION, ESTIMATED 200 CUBIC YARDS OF UNDERCUT TO BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER.