

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: B-4786

COUNTY: Pitt

DATE: 12/6/2021

COMPILED BY: VML

SHEET 1 OF 1 SHEETS

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +25%		ROCK	SUITABLE	UNSUIT.	TOTAL
PHASE I (Crossover Construction)															
<i>-XOVR1- (Construction)</i>															
-L-(TEMP) 18+78.61	-L-(TEMP) 22+95.70	99				99							99		99
<i>-XOVR2- (Construction)</i>															
-L-(TEMP) 33+21.43	-L-(TEMP) 36+39.20	22				22	35	35	44	22					
	SUBTOTAL	121				121	35	35	44	22			99		99
PHASE II (NBL Bridge Const./L- Line Work)															
<i>-L- 22+00.00</i>															
-L- 22+00.00	-L- 25+28.00 Beg. Bridge	332				332	133		133	166			166		166
<i>-L- 30+78.00 End Bridge</i>															
-L- 30+78.00 End Bridge	-L- 35+00.00	422				422	197	197	246				176		176
	SUBTOTAL	754				754	330	330	412				342		342
PHASE III (Crossover Removal)															
<i>-XOVR1- (Removal)</i>															
-L-(TEMP) 18+78.61	-L-(TEMP) 22+95.70						99		99	124	124				
<i>-XOVR2- (Removal)</i>															
-L-(TEMP) 33+21.43	-L-(TEMP) 36+39.20	35				35	22	22	28				8		8
	SUBTOTAL	35				35	121	121	152	124			8		8
	SUBTOTAL														
	TOTAL	910				910	486	486	608	146			448		448
MATERIAL FOR SHOULDER CONSTRUCTION															
LOSS DUE TO CLEARING & GRUBBING															
ADDITIONAL UNDERCUT															
ROCK WASTE TO REPLACE BORROW															
ADJUST FOR ROCK WASTE															
WASTE IN LIEU OF BORROW															
										-146			-146		-146
	PROJECT TOTAL	910				910	486	486	608				302		302
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT															
	GRAND TOTAL	910				910	486	486	608				302		302
	SAY	950													

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.

Per "Geotechnical Report - Design and Construction Recommendations" dated November 20, 2017:

Estimated Undercut = 600 CY (Contingency, As Directed by the Engineer)

Estimated Select Granular Material = 600 CY (Contingency, To Be Used As Backfill for Undercut Areas)

Estimated Geotextile for Soil Stabilization = 1,100 SY (Contingency, As Directed by the Engineer)

Estimated Shoulder Borrow = 175 CY

BALANCE EARTHWORK CHECK			
TOTAL UNCL. EXC:	910	EMB + %:	608
UNDERCUT EXC:		TOTAL WASTE:	302
BORROW EXC:			
TOTAL:	910	TOTAL:	910