

## SUMMARY OF EARTHWORK (IN CUBIC YARDS)

Station	Station	Uncl. Excav.	Undercut	Embank. +15%	Borrow	Waste
<b>PHASE 1</b>						
-TRAIL- Sta. 10+18.00	-TRAIL- Sta. 11+43.50	201		36	0	165
-L- Sta. 9+60.96	-L- Sta. 12+00.00	15		36	21	
<b>SUBTOTALS:</b>		<b>216</b>		<b>72</b>	<b>21</b>	<b>165</b>
<b>PHASE 2</b>						
-STREAM- Sta. 10+10.00	-STREAM- Sta. 10+30.00	24		6	6	24
-L- Sta. 9+60.96	-L- Sta. 12+00.00	21		317	296	
-L- Sta. 13+21.32 (END BRIDGE)	-L- Sta. 14+77.00	11		8		3
<b>SUBTOTALS:</b>		<b>56</b>		<b>331</b>	<b>302</b>	<b>27</b>
<b>PHASE 3</b>						
-STREAM- Sta. 10+30.00	-STREAM- Sta. 12+62.50	1127		250		877
-DR1- Sta. 10+10.37	-DR1- Sta. 11+12.00	7		32	25	
-L- Sta. 12+00.00	-L- Sta. 12+63.68 (BEGIN BRIDGE)			26	26	
-L- Sta. 13+21.32 (END BRIDGE)	-L- Sta. 14+77.00	6		54	48	
<b>SUBTOTALS:</b>		<b>1,140</b>		<b>362</b>	<b>99</b>	<b>877</b>
<b>TOTAL:</b>		<b>1,412</b>		<b>765</b>	<b>422</b>	<b>1,069</b>
Loss Due to Clearing & Grubbing		-75				-75
Waste in Lieu of Borrow					-422	-422
<b>PROJECT TOTALS:</b>		<b>1,337</b>		<b>765</b>		<b>572</b>
Est. 5% To Replace Top Soil on Borrow Pit						
<b>GRAND TOTALS:</b>		<b>1,337</b>		<b>765</b>		<b>572</b>
<b>SAY:</b>		<b>1,375</b>				
NOTE: EARTHWORK QUANTITIES ARE CALCULATED BY NV5. THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY S&ME. APPROXIMATE QUANTITIES ONLY, FINE GRADING, CLEARING AND GRUBBING, AND REMOVAL OF EXISTING ASPHALT PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING".						
EST DDE = 2,350 CUBIC YARDS						
GEOTEXTILE FOR SOIL STABILIZATION (CONTINGENCY) = 400 SQUARE YARDS						
SELECT GRANULAR MATERIAL (CONTINGENCY) = 200 CUBIC YARDS						
SHALLOW UNDERCUT (CONTINGENCY) = 100 TONS						
CLASS IV SUBGRADE STABILIZATION = 200 TONS						
UNDERCUT (CONTINGENCY) = 450 CUBIC YARDS						

**IN SQUARE YARDS**

SURVEY LINE	STATION	STATION	LOCATION LT/RT	MILLING AREA
-L-	10+00	11+00	CL	225.20
-L-	14+25	14+77	CL	90.71
-L-	14+25	15+38	LT	130.53
-L-	14+77	15+38	LT	144.53
CONTINGENCY				
			<b>TOTAL:</b>	590.97
			<b>SAY:</b>	600

**IN SQUARE YARDS**

SURVEY LINE	STATION	STATION	LOCATION LT/RT	MILLING AREA
-L-	10+00	10+50	CL	106.44
-L-	14+27	15+38	CL	112.84
CONTINGENCY				
			<b>TOTAL:</b>	219.28
			<b>SAY:</b>	220

LINE	Station	Station	LENGTH
-L-	10+18.64 (RT)	10+50.00	31.36
-L-	11+00.00 (LT)	12+44.19	144.19
-L-	13+25.47 (LT)	13+40.00	14.53
		<b>TOTAL:</b>	190.1
		<b>SAY:</b>	193

N\* = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL  
 TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.  
 FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL  
 W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL

G = GATING IMPACT ATTENUATOR  
TYPE 350  
NG = NON-GATING IMPACT  
ATTENUATOR TYPE 350

[illegible]