

# EARTHWORKS - STP-0126(4)S

## SUMMARY OF ESTIMATED QUANTITIES

		EARTH EXCAVATION				ROCK EXCAVATION				EMBANKMENT							
STATION	DIST	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME		
km + m	m	m <sup>2</sup>	m <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup>		
12+640		15.2															
	20		259.3														
12+660		10.8															
	20		206.1														
12+680		9.9															
	20		251.3														
12+700		15.3															
	20		321.0														
12+720		16.8															
	20		368.7														
12+740		20.1															
	20		443.7														
12+760		24.3															
	20		394.2														
12+780		15.1															
	20		332.5														
12+800		18.2															
	20		334.7														
12+820		15.3															
	20		277.0														
12+840		12.4															
	20		223.4														
12+860		10.0															
SCHOOL HOUSE ROAD																	
06+007		0.37				4.82											
	03		0.74				25.71										
06+010		0.12				12.32											
	10		0.60				105.45										
06+020		0				8.77											
	10		12.30				57.40										
06+030		2.46				2.71											
	10		29.85				14.25										
06+040		3.51				0.14											
	10		48.75				0.70										
06+050		6.24				0											
MANDIGO ROAD																	
08+010		16.01				0											
	10		103.45				0.00										
08+020		4.68				0											
	10		23.40				0.00										
08+030		0				0											
McBRIDE ROAD WEST																	
01+030		0				0											
	10		48.75				1.70										
01+040		9.75				0.34											
	10		109.15				1.70										
01+050		12.08				0											
	10		112.60				0.00										
01+060		10.44				0											
McBRIDE ROAD EAST																	
00+030		0				0											
	10		43.65				0.80										
00+040		8.73				0.16											
	10		52.75				22.15										
00+050		1.82				4.27											
	10		15.40				75.45										
00+060		1.26				10.82											

SUMMARY	
EARTH AND ROCK EXCAVATION	45,522
SOLID ROCK EXCAVATION	4,760
EARTH EXCAVATION	37,762
PLANIMETERED FILL	20,715
LESS FACTORED SOLID ROCK	
LESS DISPLACEMENT OF LARGE STRUCTURES	
NET PLANIMETERED FILL	20,715
FACTOR (X 0.15)	3,107
PLANIMETERED FILL INCLUDING FACTOR	23,822
MATERIALS AVAILABLE FOR FILL	
EARTH EXCAVATION	37,762
CHANNEL EXCAVATION	
TRENCH EXCAVATION	4,115
STRUCTURE EXCAVATION	
TOTAL MATERIAL AVAILABLE FOR FILL	41,877
TOTAL FILL INCLUDING FACTOR	23,822
TOTAL MATERIAL FOR FILL	41,877
BORROW	
EXCESS EXCAVATION	18,055

DATUM  
 VERTICAL NGVD 1929  
 HORIZONTAL NAD 1927

V:\1261\CADD\PLANS\SUMMARY\_EARTHWORKS\_C2.DWG



THE LOUIS BERGER GROUP, INC.

PROJECT: GRAFTON-ROCKINGHAM, ROUTE 121 PROJECT NO.: STP 0126(4)S  
 DESIGN FILE NAME: IPARM FILE NAME: PLOT DATE: 12/08/03  
 SURVEYED BY: SURVEY DATE: DRAWN BY: SHEET: 5 OF 116  
 SQUAD LEADER: