

		EARTH EXCAVATION											
		STAGE 1A & B			STAGE 2A & B			STAGE 3A & B			TOTALS BY STATION		
STATION TO STATION		CUT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	CUT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	CUT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	CUT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION
		(CUYD)	(CUYD)	(CUYD)	(CUYD)	(CUYD)	(CUYD)	(CUYD)	(CUYD)	(CUYD)	(CUYD)	(CUYD)	(CUYD)
IL ROUTE 31	274+23.14 TO 280+00	242.1	0.0	242.1	1100.2	0.0	1100.2	0.0	0.0	0.0	1342.3	0.0	1342.3
	280+00 TO 290+00	1116.3	86.3	1030.0	2166.3	115.4	2050.9	84.0	84.0	0.0	3366.6	285.7	3080.9
	290+00 TO 300+00	1749.2	171.4	1577.8	2694.9	115.0	2579.9	203.1	203.1	0.0	4647.2	489.5	4157.7
	300+00 TO 310+00	1063.1	0.0	1063.1	1521.0	0.0	1521.0	0.0	0.0	0.0	2584.1	0.0	2584.1
	310+00 TO 320+82.66	88.9	0.0	88.9	441.7	73.9	367.8	15.7	15.7	0.0	546.3	89.6	456.7
TOTALS		4259.6	257.7	4001.9	7924.1	304.3	7619.8	302.8	302.8	0.0	12486.5	864.8	11621.7
ADJUSTED QUANTITY												865	11625

IL ROUTE 31	4259.6	257.7	4001.9	7924.1	304.3	7619.8	302.8	302.8	0.0	12486.5	864.8	11621.7
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		STAGE 1A & 1B		STAGE 2A & B		STAGE 3A & B		TOTALS BY STATION	
STATION TO STATION		EMBANKMENT	FURNISHED EXCAVATION	EMBANKMENT	FURNISHED EXCAVATION	EMBANKMENT	FURNISHED EXCAVATION	EMBANKMENT	FURNISHED EXCAVATION
		(CUYD)	(CUYD)	(CUYD)	(CUYD)	(CUYD)	(CUYD)	(CUYD)	(CUYD)
IL ROUTE 31	274+23.14 TO 280+00	500.4	655.4	378.7	-52.4	185.1	1049.9	1064.2	1652.8
	280+00 TO 290+00	5813.9	6948.1	5119.5	5256.4	1.6	3820.1	10935.0	16024.5
	290+00 TO 300+00	3017.8	3280.7	1189.5	363.6	26.0	2824.5	4233.3	6468.8
	300+00 TO 310+00	2126.1	2574.5	796.0	563.9	13.1	2425.8	2935.2	5564.2
	310+00 TO 320+82.66	131.6	145.3	839.6	1286.1	447.6	1282.6	1418.8	2714.0
TOTALS BY STAGE		11589.8	13604.0	8323.3	7417.5	673.4	11402.9	20586.5	32424.4
CUMULATIVE TOTALS		11589.8	13604.0	19913.1	21021.5	20586.5	32424.4		
ADJUSTED QUANTITY								20590	32425

FURNISHED EXCAVATION = EMBANKMENT - ((1 - SHRINKAGE FACTOR (0.15)) × (EARTH EXCAVATION - TOPSOIL EXCAVATION))

A POSITIVE QUANTITY IMPLIES THAT FURNISHED EXCAVATION WILL BE REQUIRED.

A NEGATIVE QUANTITY IMPLIES THAT THERE IS EXCESS EXCAVATED MATERIAL THAT CAN BE USED ELSEWHERE IN THE PROJECT LIMITS.

		TOPSOIL EXCAVATION			
STATION TO STATION		STAGE 1A & B	STAGE 2A & B	STAGE 3A & B	TOTALS BY STATION
		(CUYD)	(CUYD)	(CUYD)	(CUYD)
IL ROUTE 31	274+23.14 TO 280+00	424.4	593.0	---	1017.4
	280+00 TO 290+00	2364.4	2211.9	---	4576.3
	290+00 TO 300+00	1887.1	1608.3	---	3495.4
	300+00 TO 310+00	1590.6	1247.9	---	2838.5
	310+00 TO 320+82.66	105.0	893.1	---	998.1
TOTALS		6371.5	6554.2	0.0	12925.7

		TOPSOIL PLACEMENT			
STATION TO STATION		STAGE 1A & B	STAGE 2A & B	STAGE 3A & B	TOTALS BY STATION
		(CUYD)	(CUYD)	(CUYD)	(CUYD)
IL ROUTE 31	274+23.14 TO 280+00	135.3	1952.7	567.5	2655.5
	280+00 TO 290+00	530.5	5106.1	396.1	6032.7
	290+00 TO 300+00	338.8	3296.9	284.3	3920.0
	300+00 TO 310+00	306.4	2654.3	621.4	3582.1
	310+00 TO 320+82.66	47.2	3350.4	742.6	4140.2
TOTALS		1358.2	16360.4	2611.9	20330.5