
I-10 Earley Rd. To JCT I-8
TRACS No: H7984 01C
NHPP-010-C(206)S

Final Earthwork Report

Submitted to:



Arizona Department of Transportation

Submitted by:



2045 North Forbes Blvd. Suite 103
Tucson, Arizona 85745

October 20, 2017



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Factors

COMPUTATION SHEET		Project No.	
		11523S	
Subject	I-10 Earley Rd. - JCT I-8 Tracs No. H 7984 01C	Made by	F. Fry
		Date	10/12/2017
		Checked	D. Lopez
		Date	10/13/2017

Earthwork Factors

Direction/ Location	Station	Shrink (-)	Swell (+)	Ground Compaction
EB & WB	2705+80 to 2859+71.89	10%		0.2
MP	196.42 - 199.34			

Earthwork Notes

- 1 All Data based on Materials Design Report #16-26.

- 2 No adjustment has been made to the existing ground to account for pavement or paved shoulder removal.

- 3 Earthwork calculations assume that Pipe Backfill, Structure Backfill, and Pipe Bedding are imported material.

- 4 Earthwork calculations assume 30% of the Unsuitable Material can be Blended to meet Specifications for Embankment Material.

Plans Table

COMPUTATION SHEET		Project No. 11523S	
Subject	I-10 Earley Rd. - JCT I-8 Tracs No. H 7984 01C	Made by	F. Fry
		Date	10/12/2017
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Plans Table Earthwork Quantities

	Volumes	
Excavation Volumes		
Roadway Excavation	100,897	CY
Shrink (10%)	-10,090	CY
Overexcavation	180,234	CY
Drainage Excavation	2,141	CY
Shrink (10%)	-214	CY
Structural Excavation, Bridges	7,519	CY
Shrink (10%)	-752	CY
Structural Excavation, Walls	3,719	CY
Shrink (10%)	-372	CY
Pipe Excavation	300	CY
Shrink (10%)	-30	CY
Asphaltic Concrete Millings	7,220	CY
Net Excavation Available for Embankment	110,338	CY
Embankment Volumes		
Embankment	-343,885	CY
Structure Backfill, Bridges (Not Included in Borrow Calc.)	6,515	CY
Structure Backfill, Walls (Not Included in Borrow Calc.)	1,568	CY
Pipe Backfill (Not Included in Borrow Calc.)	1,331	CY
Trench Backfill (Pipe and Box Culvert)	0	CY
Pipe Bedding (Not Included in Borrow Calc.)	1,269	CY
Embankment Subtotal	-343,885	CY
Borrow	-233,547	CY

Excavation Summary

COMPUATION SHEET		Project No.	
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Excavation Summary

Type	Excavation	Unit
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ROADWAY EXCAVATION

Roadway	100,897	cu yd
Overexcavation of Unsuitable Material	180,234	cu yd
0% of Unsuitable Material	0	cu yd
Total Roadway Excavation (Useable Material)	100,897	cu yd

Use for Bid Item No. 2030301 Mainline & RAMPS

Use for Bid Item No. 2030205

DRAINAGE EXCAVATION

Box Culvert Excavation	0	cu yd
Channel/Ditch Grading Excavation	1,989	cu yd
Riprap Excavation	152	cu yd
Total Drainage Excavation	2,141	cu yd

From Qty Takeoff for Drainage Ex 2030401

From Estimate - Riprap

STRUCTURAL EXCAVATION

Box Culvert Structural Exc.	0	cu yd
Bridge Structural Exc.	7,519	cu yd
Wall Structural Exc.	3,719	cu yd
Total Structural Excavation	11,238	cu yd

From Structural Grace Estimate

From WSP Quantities

PIPE EXCAVATION

Storm Drain Pipe & Pipe Culvert Excavation	300	cu yd
Total Pipe Excavation	300	cu yd

EXCAVATION SUMMARY

Total Excavation	114,575	cu yd
Shrink: 10%	11,458	cu yd

Embankment Summary

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Embankment Summary

Type	Embankment	Unit
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ROADWAY EMBANKMENT

Embankment for Crossovers	0	cu yd
Embankment for RCBC Berms	0	cu yd
Embankment for Pipe Berms	0	cu yd
Embankment for Temporary Widening	0	cu yd
Roadway	336,279	cu yd
Total Roadway Embankment	336,279	cu yd

Fill + Overex for Mainline & RAMPS

CROSSROAD SLOPE FLATTENING

Embankment for Slope Flattening	0	cu yd
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GROUND COMPACTION

Total Ground Compaction	7,606	cu yd
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STORM DRAIN PIPE & PIPE CULVERT BACKFILL

Storm Drain Pipe & Pipe Culvert Backfill	1,331	cu yd
Storm Drain Pipe & Pipe Culvert Trench Backfill	0	cu yd
Total Pipe Culvert Backfill	1,331	cu yd

From Pipe Quantity Takeoff - produced by D

From Pipe Quantity Takeoff - produced by D

STRUCTURE BACKFILL

Box Culvert Structure Backfill	0	cu yd
Box Culvert Trench Backfill	0	cu yd
Bridge Structure Backfill	6,515	cu yd
Wall Structure Backfill	1,568	cu yd
Total Structure Backfill	8,083	cu yd

From Structural Grace Estimate

From WSP Quantities

EMBANKMENT SUMMARY

Pipe Culvert Adjustment	0	cu yd
Box Culvert Adjustment	0	cu yd
Total Embankment	343,885	cu yd

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Ground Compaction Calculation Table

STATION	Fill Length FT. on X- Section	Fill Length x Compaction Factor	Ground Compaction Volume C.Y.	Total Volume C.Y.
I-10 EB & WB				
2705+80	45.00	9.00	33.33	33.33
2706+00	45.00	9.00	33.33	66.67
2707+00	45.00	9.00	33.33	100.00
2708+00	45.00	9.00	33.33	133.33
2709+00	45.00	9.00	33.33	166.67
2710+00	45.00	9.00	33.33	200.00
2711+00	45.00	9.00	33.33	233.33
2712+00	45.00	9.00	33.33	266.67
2713+00	45.00	9.00	33.33	300.00
2714+00	45.00	9.00	33.33	333.33
2715+00	45.00	9.00	33.33	366.67
2716+00	45.00	9.00	33.33	400.00
2717+00	45.00	9.00	33.33	433.33
2718+00	45.00	9.00	33.33	466.67
2719+00	45.00	9.00	33.33	500.00
2720+00	45.00	9.00	33.33	533.33
2721+00	45.00	9.00	33.33	566.67
2722+00	45.00	9.00	33.33	600.00
2723+00	45.00	9.00	33.33	633.33
2724+00	45.00	9.00	33.33	666.67
2725+00	45.00	9.00	33.33	700.00
2726+00	45.00	9.00	33.33	733.33
2727+00	45.00	9.00	33.33	766.67
2728+00	45.00	9.00	33.33	800.00

0.2

*Ground
Compaction
Factor*

<i>COMPUTATION SHEET</i>				Project No. 11523S	
Subject I-10 Earley Rd. - JCT I-8 Tracs No. H 7984 01C				Made by Date Checked Date	
				F. Fry 10/12/2017 D. Lopez 10/13/2017	
			33.33	800.00	
2729+00	45.00	9.00			
			33.70	833.70	
2730+00	46.00	9.20			
			35.19	868.89	
2731+00	49.00	9.80			
			37.04	905.93	
2732+00	51.00	10.20			
			38.52	944.44	
2733+00	53.00	10.60			
			40.00	984.44	
2734+00	55.00	11.00			
			41.85	1,026.30	
2735+00	58.00	11.60			
			43.70	1,070.00	
2736+00	60.00	12.00			
			45.56	1,115.56	
2737+00	63.00	12.60			
			47.41	1,162.96	
2738+00	65.00	13.00			
			48.89	1,211.85	
2739+00	67.00	13.40			
			50.74	1,262.59	
2740+00	70.00	14.00			
			52.22	1,314.81	
2741+00	71.00	14.20			
			53.70	1,368.52	
2742+00	74.00	14.80			
			54.81	1,423.33	
2743+00	74.00	14.80			
			54.81	1,478.15	
2744+00	74.00	14.80			
			54.81	1,532.96	
2745+00	74.00	14.80			
			54.81	1,587.78	
2746+00	74.00	14.80			
			54.81	1,642.59	
2747+00	74.00	14.80			
			54.81	1,697.41	
2748+00	74.00	14.80			
			54.81	1,752.22	
2749+00	74.00	14.80			
			54.81	1,807.04	
2750+00	74.00	14.80			
			54.81	1,861.85	
2751+00	74.00	14.80			
			55.19	1,917.04	
2752+00	75.00	15.00			
			55.56	1,972.59	
2753+00	75.00	15.00			
			55.56	2,028.15	
2754+00	75.00	15.00			
			55.56	2,083.70	
2755+00	75.00	15.00			
			55.56	2,139.26	
2756+00	75.00	15.00			
			55.56	2,194.81	
2757+00	75.00	15.00			

<i>COMPUTATION SHEET</i>				Project No. 11523S	
Subject I-10 Earley Rd. - JCT I-8 Tracs No. H 7984 01C				Made by Date Checked Date	
			55.56	2,250.37	F. Fry 10/12/2017 D. Lopez 10/13/2017
2758+00	75.00	15.00			
			55.56	2,305.93	
2759+00	75.00	15.00			
			55.56	2,361.48	
2760+00	75.00	15.00			
			55.56	2,417.04	
2761+00	75.00	15.00			
			55.56	2,472.59	
2762+00	75.00	15.00			
			55.56	2,528.15	
2763+00	75.00	15.00			
			55.56	2,583.70	
2764+00	75.00	15.00			
			55.56	2,639.26	
2765+00	75.00	15.00			
			55.56	2,694.81	
2766+00	75.00	15.00			
			55.56	2,750.37	
2767+00	75.00	15.00			
			55.56	2,805.93	
2768+00	75.00	15.00			
			55.56	2,861.48	
2769+00	75.00	15.00			
			55.56	2,917.04	
2770+00	75.00	15.00			
			55.56	2,972.59	
2771+00	75.00	15.00			
			55.56	3,028.15	
2772+00	75.00	15.00			
			55.56	3,083.70	
2773+00	75.00	15.00			
			55.56	3,139.26	
2774+00	75.00	15.00			
			55.56	3,194.81	
2775+00	75.00	15.00			
			55.56	3,250.37	
2776+00	75.00	15.00			
			55.56	3,305.93	
2777+00	75.00	15.00			
			55.56	3,361.48	
2778+00	75.00	15.00			
			55.56	3,417.04	
2779+00	75.00	15.00			
			55.56	3,472.59	
2780+00	75.00	15.00			
			55.56	3,528.15	
2781+00	75.00	15.00			
			55.56	3,583.70	
2782+00	75.00	15.00			
			55.56	3,639.26	
2783+00	75.00	15.00			
			55.56	3,694.81	
2784+00	75.00	15.00			
			55.56	3,750.37	
2785+00	75.00	15.00			
			55.56	3,805.93	
2786+00	75.00	15.00			

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			55.56	3,861.48	
2787+00	75.00	15.00			
			55.56	3,917.04	
2788+00	75.00	15.00			
			55.56	3,972.59	
2789+00	75.00	15.00			
			55.56	4,028.15	
2790+00	75.00	15.00			
			55.56	4,083.70	
2791+00	75.00	15.00			
			55.56	4,139.26	
2792+00	75.00	15.00			
			55.56	4,194.81	
2793+00	75.00	15.00			
			55.56	4,250.37	
2794+00	75.00	15.00			
BEGIN BRIDGE			27.78	4,278.15	
2795+00	0.00	0.00			
			0.00	4,278.15	
2796+00	0.00	0.00			
			0.00	4,278.15	
2797+00	0.00	0.00			
			0.00	4,278.15	
2798+00	0.00	0.00			
			0.00	4,278.15	
2799+00	0.00	0.00			
END BRIDGE			28.15	4,306.30	
2800+00	76.00	15.20			
			56.30	4,362.59	
2801+00	76.00	15.20			
			56.30	4,418.89	
2802+00	76.00	15.20			
			56.30	4,475.19	
2803+00	76.00	15.20			
			56.30	4,531.48	
2804+00	76.00	15.20			
			55.93	4,587.41	
2805+00	75.00	15.00			
			55.56	4,642.96	
2806+00	75.00	15.00			
			55.56	4,698.52	
2807+00	75.00	15.00			
			55.56	4,754.07	
2808+00	75.00	15.00			
			38.89	4,792.96	
2809+00	75.00	15.00			
			38.89	4,831.85	
2810+00	75.00	15.00			
			38.89	4,870.74	
2811+00	75.00	15.00			
			38.63	4,909.37	
2812+00	74.00	14.80			
			38.37	4,947.74	
2813+00	74.00	14.80			
			54.81	5,002.56	
2814+00	74.00	14.80			
			54.81	5,057.37	
2815+00	74.00	14.80			

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				F. Fry 10/12/2017 D. Lopez 10/13/2017	
			38.37	5,095.74	
2816+00	74.00	14.80			
			38.37	5,134.11	
2817+00	74.00	14.80			
			54.81	5,188.93	
2818+00	74.00	14.80			
			54.81	5,243.74	
2819+00	74.00	14.80			
			54.81	5,298.56	
2820+00	74.00	14.80			
			54.81	5,353.37	
2821+00	74.00	14.80			
			55.19	5,408.56	
2822+00	75.00	15.00			
			55.56	5,464.11	
2823+00	75.00	15.00			
			55.56	5,519.67	
2824+00	75.00	15.00			
			55.56	5,575.22	
2825+00	75.00	15.00			
			55.56	5,630.78	
2826+00	75.00	15.00			
			55.56	5,686.33	
2827+00	75.00	15.00			
			55.56	5,741.89	
2828+00	75.00	15.00			
			55.56	5,797.44	
2829+00	75.00	15.00			
			55.56	5,853.00	
2830+00	75.00	15.00			
			55.56	5,908.56	
2831+00	75.00	15.00			
			55.56	5,964.11	
2832+00	75.00	15.00			
			55.56	6,019.67	
2833+00	75.00	15.00			
			55.56	6,075.22	
2834+00	75.00	15.00			
			55.56	6,130.78	
2835+00	75.00	15.00			
			55.56	6,186.33	
2836+00	75.00	15.00			
			55.56	6,241.89	
2837+00	75.00	15.00			
			55.56	6,297.44	
2838+00	75.00	15.00			
			55.56	6,353.00	
2839+00	75.00	15.00			
			55.56	6,408.56	
2840+00	75.00	15.00			
			55.56	6,464.11	
2841+00	75.00	15.00			
			55.56	6,519.67	
2842+00	75.00	15.00			
			55.56	6,575.22	
2843+00	75.00	15.00			
			55.56	6,630.78	
2844+00	75.00	15.00			

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			55.56	6,686.33
2845+00	75.00	15.00		
			55.56	6,741.89
2846+00	75.00	15.00		
			55.56	6,797.44
2847+00	75.00	15.00		
			55.56	6,853.00
2848+00	75.00	15.00		
			55.56	6,908.56
2849+00	75.00	15.00		
			55.56	6,964.11
2850+00	75.00	15.00		
			55.56	7,019.67
2851+00	75.00	15.00		
			55.56	7,075.22
2852+00	75.00	15.00		
			55.56	7,130.78
2853+00	75.00	15.00		
			55.56	7,186.33
2854+00	75.00	15.00		
			55.56	7,241.89
2855+00	75.00	15.00		
			55.56	7,297.44
2856+00	75.00	15.00		
			55.56	7,353.00
2857+00	75.00	15.00		
			55.56	7,408.56
2858+00	75.00	15.00		
			55.56	7,464.11
2859+00	75.00	15.00		
			55.56	7,519.67
2859+72	75.00	15.00		
			20.00	7,539.67

Jimmie Kerr Ramp "B"				
13+00	0.00	0.00		
			0.00	0.00
14+00	0.00	0.00		
			0.00	0.00
15+00	0.00	0.00		
			0.00	0.00
16+00	0.00	0.00		
			7.78	7.78
17+00	0.00	0.00		
			7.78	15.56
18+00	21.00	4.20		
			11.15	26.70
19+00	22.00	4.40		
			6.74	33.44
20+00	4.00	0.80		
			1.07	34.51

Jimmie Kerr Ramp "D"				
08+00	0.00	0.00		
			0.00	0.00
09+00	0.00	0.00		

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			0.00	0.00
10+00	0.00	0.00		
			0.00	0.00
11+00	0.00	0.00		
			7.78	7.78
12+00	0.00	0.00		
			7.78	15.56
13+00	21.00	4.20		
			7.78	23.33
14+00	22.00	4.40		
			8.15	31.48
#REPT	0.00	0.00		

Total 7,605.66

Roadway Summary

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		Date	10/13/2017

Roadway Excavation & Embankment Summary

Location	Surface	Beginning Sta	Ending Sta	Roadway Ex	Roadway Emb	Total Volume
I-10 Widening & Reconstruct	I-10 Widening North of the Jimmie Kerr Bridge	2705+80	2793+98	28,168	158,812	(130,644)
I-10 Widening & Reconstruct	I-10 Widening at Bridge	2800+09	2859+71	34,809	1,412	33,397
I-10 Widening & Reconstruct	I-10 Widening South of the Jimmie Kerr Bridge	2800+09	2859+71	35,022	170,502	(135,480)
Jimmie Kerr Blvd. Ramp "B"	Reconstruct I-10 WB Off Ramp	13+00	17+50	1,464	3,235	(1,770)
Jimmie Kerr Blvd. Ramp "C"	Reconstruct I-10 EB Off Ramp	13+94	20+04	1,338	63	1,275
Jimmie Kerr Blvd. Ramp "D"	Reconstruct I-10 EB On Ramp	8+00	13+00	96	2,256	(2,160)
SubTotal				100,897	336,279	
Total				100,897	336,279	

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Wall Excavation & Backfill Summary

Retaining Wall Excavation

	Sta	Sta	Length	Ave. Ht.	Ftg. Depth	Back of Wall			Front of Wall			
						Cut Depth	Width	Vol (CY)	Cut Depth	Width	Vol (CY)	
West Side South of JK	2799+64.26	2808+05.26	841.00	12.00	1.25	6.20	7.10	1371.14	4.95	3.25	501.10	1,872.24
East Side South of JK	2800+86.01	2801+64.01	78.00	20.00	1.75	17.25	9.90	493.35	16.00	4.25	196.44	689.79
West Side North of JK	2792+45.59	2793+20.59	75.00	19.00	1.67	16.50	9.50	435.42	15.25	4.25	180.03	615.45
East Side North of JK	2793+70.35	2794+42.35	72.00	18.00	1.58	15.75	9.20	386.40	14.50	4.00	154.67	541.07

Total Structural Excavation 3,719

Retaining Wall Backfill

	Sta	Sta	Length	Ave. Ht.	Ftg. Depth	Over Ftg.			Beyond Ftg.		
						Fill Depth	Width	Vol (CY)	Fill Depth	Width	Vol (CY)
West Side South of JK	2799+64.26	2808+05.26	841.00	12.00	10.50	3.00	981.17	0.50	3.10	48.28	1,029.45
East Side South of JK	2800+86.01	2801+64.01	78.00	20.00	18.50	3.00	160.33	2.25	5.90	38.35	198.68
West Side North of JK	2792+45.59	2793+20.59	75.00	19.00	17.50	3.00	145.83	2.17	5.50	33.15	178.99
East Side North of JK	2793+70.35	2794+42.35	72.00	18.00	16.50	3.00	132.00	2.08	5.20	28.84	160.84

Total Structural Backfill 1,568

Retaining Wall Over Excavation

Back of Wall Front of Wall

Wall

	Sta	Sta	Length	Ave. Ht.	Ftg. Depth	Cut Depth	Width	Vol (CY)	Cut Depth	Width	Vol (CY)	Vol (CY)
West Side South of JK	2799+64.26	2808+05.26	841.00	12.00	1.25	3.00	6.10	570.01	3.00	2.25	210.25	780.26
East Side South of JK	2800+86.01	2801+64.01	78.00	20.00	1.75	3.00	8.90	77.13	3.00	3.25	28.17	105.30
West Side North of JK	2792+45.59	2793+20.59	75.00	19.00	1.67	3.00	8.50	70.83	3.00	3.25	27.08	97.92
East Side North of JK	2793+70.35	2794+42.35	72.00	18.00	1.58	3.00	8.20	65.60	3.00	3.00	24.00	89.60

Total Structural Over Excavation 1,073

AC Millings

COMPUTATION SHEET		Project No. 11523S	
Subject	I-10 Earley Rd. - JCT I-8 Tracs No. H 7984 01C	Made by	F. Fry
		Date	10/12/2017
		Checked	D. Lopez
		Date	10/13/2017

AC Millings

Depth (in)	Depth (ft)	Depth (yd)	Area (SY)	Volume (CY)
0.50	0.04	0.01	73,332	1,018.50
2.00	0.17	0.06	8,561	475.61
2.50	0.21	0.07	25,007	1,736.60
3.00	0.25	0.08	1,525	127.08
3.50	0.29	0.10	39,729	3,862.54
				7,220.33

COMPUTATION SHEET		Project No. 11523S	
Subject	I-10 Earley Rd. - JCT I-8 Tracs No. H 7984 01C	Made by	F. Fry
		Date	10/12/2017
		Checked	D. Lopez
		Date	10/13/2017

Excavation of Unsuitable Material

Direction	Begin Sta	End Sta	OverExcavation [CY]
EB & WB	2705+80	2794+00	96578
EB & WB	2794+00	2799+00	1412
EB & WB	2799+00	2859+00	81172
Overexcavation for Ret. Walls			1073

Total 180,234 0% 0

Note: It is assumed that NO overex material can be used for embankment.

Table for Detail G

Begin Sta	End Sta	Length	Depth	Width	Volume	Volume (CY)
2705+80	2730+75	2495	2.5	84	523950	19406
2730+75	2731+90	115	2.5	135	38812.5	1438
2731+90	2734+55	265	3	115	91425	3386
2734+55	2776+00	4145	2.5	84	870450	32239
2776+00	2782+50	650	2.5	170	276250	10231
2782+50	2787+60	510	2.5	212	270300	10011
2787+60	2791+00	340	2.5	190	161500	5981
2791+00	2793+50	250	3	272	204000	7556
2793+50	2793+98	48	2.5	242	29040	1076
2793+98	2800+08	610	0	0	0	0
2800+08	2801+65	157	4	150	94200	3489
2801+65	2808+00	635	4	225	571500	21167
2808+00	2813+50	550	3	145	239250	8861
2813+50	2818+50	500	4	175	350000	12963
2818+50	2844+00	2550	3.5	75	669375	24792
2844+00	2849+70	570	3	115	196650	7283
2849+70	2859+72	1002	3	84	252504	9352

179,230



COMPUTATION SHEET

Project No.
11523S

Subject
I-10 Earley Rd. - JCT I-8
Tracs No. H7984 01C
95% Submittal

Made by D. Lopez
Date May 12, 2017
Checked F. Fry
Date September 27, 2017

ITEM NO.	Volumes	DESCRIPTION	Earthwork		UNIT	Cu.Yd.	
			Cut	OverEx	Pvmt	Roadway	
	Fill	(Excludes Overex)	(Includes Pvmt)	Volume	Ex	OverEx	Fill+OvEx
Mainline I-10							
2705-2794	56,794.00	22,727.80	102,018.41	5,440.61	28,168.41	96,577.80	158,812.40
2794-2799 Bridge	0.00	34,808.61	1,411.74	0.00	34,808.61	1,411.74	1,411.74
2799-2859	84,113.55	29,805.24	86,388.19	5,216.36	35,021.60	81,171.83	170,501.74
Totals	140,907.55	87,341.65	189,818.34	10,656.97	97,998.62	179,161.37	330,725.88
Bid Item					2030301	2030205	
						179,230.00	Use this Volume

End Area Volume Report

Report Created: 5/11/2017
Time: 12:46pm

Cross Secti 2705-2794 Earthwork CUT
Alignment 7984 I-10 Median Cst CL

Input Grid 1 Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Station	Station Quantities				Fill				Cut				Added Quantities				Mass Ordinate
	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Adjusted	OVEx Vol	Tcut Area	Tcut Vol	Brd A	% Ass	Add SF		
2705+80.00	1	278.16	0	0	0	3.29	0	0	0.5	277.66	0	0	1	0	0	0	
2706+00.00	1	416.22	257.18	257.18	1	0.17	1.28	1.28	1	415.22	256.62	0	1	0	0	255.9	
2706+50.00	1	334.6	695.2	695.2	1	0	0.16	0.16	2.4	332.2	692.06	0	1	0	0	950.94	
2707+00.00	1	323.12	609	609	1	0	0	0	2	321.12	604.93	0	1	0	0	1559.93	
2707+50.00	1	312.86	588.87	588.87	1	0	0	0	3	309.86	584.24	0	1	0	0	2148.81	
2708+00.00	1	309.64	576.39	576.39	1	0	0	0	3	306.64	570.83	0	1	0	0	2725.2	
2708+50.00	1	299.93	564.41	564.41	1	0	0	0	3	296.93	558.86	0	1	0	0	3289.61	
2709+00.00	1	299.81	555.31	555.31	1	0	0	0	3	296.81	549.76	0	1	0	0	3844.92	
2709+50.00	1	311.71	566.22	566.22	1	0	0	0	3	308.71	560.67	0	1	0	0	4411.14	
2710+00.00	1	313.95	579.31	579.31	1	0.01	0.01	0.01	3	310.95	573.76	0	1	0	0	4990.44	
2710+50.00	1	308.83	576.65	576.65	1	0.01	0.02	0.02	3	305.83	571.09	0	1	0	0	5567.07	
2711+00.00	1	293.21	557.45	557.45	1	0	0.01	0.01	3	290.21	551.89	0	1	0	0	6124.5	
2711+50.00	1	287.92	538.08	538.08	1	0.08	0.08	0.08	3	284.92	532.53	0	1	0	0	6662.51	
2712+00.00	1	284.49	530.01	530.01	1	0	0.07	0.07	3	281.49	524.45	0	1	0	0	7192.45	
2712+50.00	1	280.87	523.49	523.49	1	0.03	0.03	0.03	3	277.87	517.93	0	1	0	0	7715.91	
2713+00.00	1	277.54	517.05	517.05	1	0	0.03	0.03	3	274.54	511.49	0	1	0	0	8232.93	
2713+50.00	1	275	511.61	511.61	1	0	0	0	3	272	506.06	0	1	0	0	8744.54	
2714+00.00	1	276.13	510.3	510.3	1	0	0	0	3	273.13	504.75	0	1	0	0	9254.84	
2714+50.00	1	195.13	436.35	436.35	1	0	0	0	3	192.13	430.80	0	1	0	0	9691.18	
2715+00.00	1	196.46	362.58	362.58	1	0	0	0	3	193.46	357.03	0	1	0	0	10053.76	
2715+50.00	1	195.87	363.27	363.27	1	0	0	0	3	192.87	357.71	0	1	0	0	10417.03	
2716+00.00	1	194.93	361.85	361.85	1	0	0	0	3	191.93	356.30	0	1	0	0	10778.88	
2716+50.00	1	197.97	363.79	363.79	1	0	0	0	3	194.97	358.24	0	1	0	0	11142.66	
2717+00.00	1	199.62	368.13	368.13	1	0	0	0	3	196.62	362.58	0	1	0	0	11510.8	
2717+50.00	1	200	370.02	370.02	1	0.01	0.01	0.01	3	197	364.46	0	1	0	0	11880.8	
2718+00.00	1	199.09	369.53	369.53	1	0	0.01	0.01	3	196.09	363.97	0	1	0	0	12250.32	
2718+50.00	1	203.06	372.36	372.36	1	0	0	0	3	200.06	366.81	0	1	0	0	12622.68	
2719+00.00	1	208.52	381.09	381.09	1	0	0	0	3	205.52	375.54	0	1	0	0	13003.77	
2719+50.00	1	181.08	360.74	360.74	1	0.01	0.01	0.01	3	178.08	355.19	0	1	0	0	13364.5	
2720+00.00	1	233.94	384.28	384.28	1	0.04	0.04	0.04	3	230.94	378.72	0	1	0	0	13748.74	
2720+50.00	1	204.17	405.66	405.66	1	0	0.03	0.03	3	201.17	400.10	0	1	0	0	14154.36	

2721+00.0	1	195.81	370.35	370.35	370.35	1	0	0	0	0	0	3	192.81	364.80	0	0	1	0	0	14524.71
2721+50.0	1	196.29	363.05	363.05	363.05	1	0	0	0	0	0	3	193.29	357.50	0	0	1	0	0	14887.76
2722+00.0	1	190.59	358.22	358.22	358.22	1	0	0	0	0	0	3	187.59	352.67	0	0	1	0	0	15245.99
2722+50.0	1	193.41	355.55	355.55	355.55	1	0	0	0	0	0	3	190.41	350.00	0	0	1	0	0	15601.54
2723+00.0	1	195.36	359.97	359.97	359.97	1	0	0	0	0	0	3	192.36	354.42	0	0	1	0	0	15961.51
2723+50.0	1	201.22	367.21	367.21	367.21	1	0	0	0	0	0	3	198.22	361.65	0	0	1	0	0	16328.72
2724+00.0	1	210.15	380.9	380.9	380.9	1	0	0	0	0	0	3	207.15	375.34	0	0	1	0	0	16709.62
2724+50.0	1	187.7	368.37	368.37	368.37	1	0	0	0	0	0	3	184.7	362.82	0	0	1	0	0	17077.99
2725+00.0	1	205.66	364.22	364.22	364.22	1	0	0	0	0	0	3	202.66	358.67	0	0	1	0	0	17442.21
2725+50.0	1	195.77	371.7	371.7	371.7	1	0	0	0	0	0	3	192.77	366.14	0	0	1	0	0	17813.91
2726+00.0	1	197.96	364.57	364.57	364.57	1	0	0	0	0	0	3	194.96	359.01	0	0	1	0	0	18178.48
2726+50.0	1	190.34	359.54	359.54	359.54	1	0	0	0	0	0	3	187.34	353.98	0	0	1	0	0	18538.02
2727+00.0	1	193.62	355.52	355.52	355.52	1	0	0	0	0	0	3	190.62	349.96	0	0	1	0	0	18893.54
2727+50.0	1	192.37	357.39	357.39	357.39	1	0	0	0	0	0	3	189.37	351.84	0	0	1	0	0	19250.94
2728+00.0	1	201.99	365.15	365.15	365.15	1	0	0	0	0	0	3	198.99	359.59	0	0	1	0	0	19616.08
2728+50.0	1	207.02	378.72	378.72	378.72	1	0	0	0	0	0	3	204.02	373.16	0	0	1	0	0	19994.8
2729+00.0	1	206.98	383.33	383.33	383.33	1	0	0	0	0	0	3	203.98	377.78	0	0	1	0	0	20378.13
2729+50.0	1	199.32	376.2	376.2	376.2	1	0	0	0	0	0	3	196.32	370.65	0	0	1	0	0	20754.33
2730+00.0	1	200.13	369.87	369.87	369.87	1	0	0	0	0	0	3	197.13	364.31	0	0	1	0	0	21124.2
2730+50.0	1	200.01	370.51	370.51	370.51	1	0	0	0	0	0	3	197.01	364.94	0	0	1	0	0	21494.7
2731+00.0	1	349.68	508.97	508.97	508.97	1	0	0	0	0	-109.42	459.1	607.51	0	0	1	0	0	22003.67	
2731+50.0	1	484.78	772.65	772.65	772.65	1	0	0	0	0	-170.765	655.545	1032.08	0	0	1	0	0	22776.32	
2732+00.0	1	468.47	882.64	882.64	882.64	1	0	0	0	0	2	466.47	1038.90	0	0	1	0	0	23658.96	
2732+50.0	1	520.35	915.58	915.58	915.58	1	0	0	0	0	3	517.35	910.94	0	0	1	0	0	24574.54	
2733+00.0	1	515.95	959.54	959.54	959.54	1	0	0	0	0	3	512.95	953.98	0	0	1	0	0	25534.08	
2733+50.0	1	513.61	953.3	953.3	953.3	1	0	0	0	0	3	510.61	947.74	0	0	1	0	0	26487.37	
2734+00.0	1	513.19	950.74	950.74	950.74	1	0.05	0.05	0.05	0.05	3	510.19	945.19	0	0	1	0	0	27438.06	
2734+50.0	1	478.66	918.38	918.38	918.38	1	0.07	0.12	0.12	0.12	3	475.66	912.82	0	0	1	0	0	28356.33	
2735+00.0	1	292.81	714.33	714.33	714.33	1	0	0.07	0.07	0.07	3	289.81	708.77	0	0	1	0	0	29070.59	
2735+50.0	1	286.2	536.12	536.12	536.12	1	0	0	0	0	3	283.2	530.56	0	0	1	0	0	29606.71	
2736+00.0	1	289.68	533.22	533.22	533.22	1	0	0	0	0	3	286.68	527.67	0	0	1	0	0	30139.93	
2736+50.0	1	288.18	535.06	535.06	535.06	1	0	0	0	0	3	285.18	529.50	0	0	1	0	0	30674.98	
2737+00.0	1	294.87	539.86	539.86	539.86	1	0	0	0	0	3	291.87	534.31	0	0	1	0	0	31214.85	
2737+50.0	1	291.21	542.66	542.66	542.66	1	0	0	0	0	3	288.21	537.11	0	0	1	0	0	31757.51	
2738+00.0	1	295.97	543.68	543.68	543.68	1	0	0	0	0	3	292.97	538.13	0	0	1	0	0	32301.19	
2738+50.0	1	290.92	543.42	543.42	543.42	1	0	0	0	0	3	287.92	537.86	0	0	1	0	0	32844.6	
2739+00.0	1	294.03	541.62	541.62	541.62	1	0	0	0	0	3	291.03	536.06	0	0	1	0	0	33386.22	
2739+50.0	1	287.17	538.15	538.15	538.15	1	0	0	0	0	3	284.17	532.59	0	0	1	0	0	33924.37	
2740+00.0	1	287.77	532.36	532.36	532.36	1	0	0	0	0	3	284.77	526.80	0	0	1	0	0	34456.73	
2740+50.0	1	284.27	529.67	529.67	529.67	1	0	0	0	0	3	281.27	524.11	0	0	1	0	0	34986.4	
2741+00.0	1	282.83	525.09	525.09	525.09	1	0	0	0	0	3	279.83	519.54	0	0	1	0	0	35511.49	
2741+50.0	1	297.93	537.74	537.74	537.74	1	0	0	0	0	3	294.93	532.19	0	0	1	0	0	36049.23	
2742+00.0	1	289.31	543.74	543.74	543.74	1	0	0	0	0	3	286.31	538.19	0	0	1	0	0	36592.97	
2742+50.0	1	285.41	532.15	532.15	532.15	1	0	0	0	0	3	282.41	526.59	0	0	1	0	0	37125.12	

2743+00.01	1	278.6	522.23	522.23	522.23	1	0	0	0	0	0	3	275.6	516.68	0	1	0	0	37647.35
2743+50.01	1	274.87	512.47	512.47	512.47	1	0	0	0	0	0	3	271.87	506.92	0	1	0	0	38159.82
2744+00.01	1	281.16	514.85	514.85	514.85	1	0	0	0	0	0	3	278.16	509.29	0	1	0	0	38674.67
2744+50.01	1	283.82	523.14	523.14	523.14	1	0	0	0	0	0	3	280.82	517.57	0	1	0	0	39197.81
2745+00.01	1	279.35	521.45	521.45	521.45	1	0	0	0	0	0	3	276.35	515.90	0	1	0	0	39719.26
2745+50.01	1	282.01	519.78	519.78	519.78	1	0	0	0	0	0	3	279.01	514.22	0	1	0	0	40239.04
2746+00.01	1	294.41	533.73	533.73	533.73	1	0	0	0	0	0	3	291.41	528.17	0	1	0	0	40772.77
2746+50.01	1	268.85	521.54	521.54	521.54	1	0	0	0	0	0	3	265.85	515.98	0	1	0	0	41294.31
2747+00.01	1	278.29	506.61	506.61	506.61	1	0	0	0	0	0	3	275.29	501.06	0	1	0	0	41800.91
2747+50.01	1	284.61	521.2	521.2	521.2	1	0	0	0	0	0	3	281.61	515.65	0	1	0	0	42322.11
2748+00.01	1	283.3	525.84	525.84	525.84	1	0	0	0	0	0	3	280.3	520.29	0	1	0	0	42847.95
2748+50.01	1	200.43	447.9	447.9	447.9	1	0	0	0	0	0	3	197.43	442.34	0	1	0	0	43295.84
2749+00.01	1	200.8	371.51	371.51	371.51	1	0	0	0	0	0	3	197.8	365.95	0	1	0	0	43667.36
2749+50.01	1	201.03	372.07	372.07	372.07	1	0	0	0	0	0	3	198.03	366.51	0	1	0	0	44039.43
2750+00.01	1	200.38	371.68	371.68	371.68	1	0	0	0	0	0	3	197.38	366.12	0	1	0	0	44411.11
2750+50.01	1	199.57	370.32	370.32	370.32	1	0	0	0	0	0	3	196.57	364.77	0	1	0	0	44781.43
2751+00.01	1	201.19	371.07	371.07	371.07	1	0	0	0	0	0	3	198.19	365.52	0	1	0	0	45152.5
2751+50.01	1	200.62	372.05	372.05	372.05	1	0	0	0	0	0	3	197.62	366.49	0	1	0	0	45524.55
2752+00.01	1	199.37	370.36	370.36	370.36	1	0	0	0	0	0	3	196.37	364.81	0	1	0	0	45894.91
2752+50.01	1	199.2	369.04	369.04	369.04	1	0	0	0	0	0	3	196.2	363.49	0	1	0	0	46263.95
2753+00.01	1	201.05	370.6	370.6	370.6	1	0	0	0	0	0	3	198.05	365.05	0	1	0	0	46634.56
2753+50.01	1	199.89	371.24	371.24	371.24	1	0	0	0	0	0	3	196.89	365.69	0	1	0	0	47005.79
2754+00.01	1	198.21	368.6	368.6	368.6	1	0	0	0	0	0	3	195.21	363.06	0	1	0	0	47374.4
2754+50.01	1	197.34	366.25	366.25	366.25	1	0	0	0	0	0	3	194.34	360.69	0	1	0	0	47740.64
2755+00.01	1	197.72	365.8	365.8	365.8	1	0	0	0	0	0	3	194.72	360.24	0	1	0	0	48106.44
2755+50.01	1	198.72	367.08	367.08	367.08	1	0	0	0	0	0	3	195.72	361.52	0	1	0	0	48473.51
2756+00.01	1	197.03	366.44	366.44	366.44	1	0.01	0.01	0.01	0.01	0.01	3	194.03	360.88	0	1	0	0	48839.94
2756+50.01	1	197.42	365.23	365.23	365.23	1	0.01	0.02	0.02	0.02	0.02	3	194.42	359.68	0	1	0	0	49205.14
2757+00.01	1	199.41	367.43	367.43	367.43	1	0.03	0.04	0.04	0.04	0.04	3	196.41	361.88	0	1	0	0	49572.53
2757+50.01	1	200.6	370.38	370.38	370.38	1	0.01	0.04	0.04	0.04	0.04	3	197.6	364.82	0	1	0	0	49942.87
2758+00.01	1	199.54	370.5	370.5	370.5	1	0	0.01	0.01	0.01	0.01	3	196.54	364.94	0	1	0	0	50313.36
2758+50.01	1	197.06	367.22	367.22	367.22	1	0	0	0	0	0	3	194.06	361.67	0	1	0	0	50680.59
2759+00.01	1	195.48	363.47	363.47	363.47	1	0	0	0	0	0	3	192.48	357.91	0	1	0	0	51044.05
2759+50.01	1	202.62	368.61	368.61	368.61	1	0	0	0	0	0	3	199.62	363.06	0	1	0	0	51412.66
2760+00.01	1	207.93	380.14	380.14	380.14	1	0	0	0	0	0	3	204.93	374.58	0	1	0	0	51792.79
2760+50.01	1	196.21	374.21	374.21	374.21	1	0	0	0	0	0	3	193.21	368.65	0	1	0	0	52167
2761+00.01	1	195.2	362.42	362.42	362.42	1	0	0	0	0	0	3	192.2	356.86	0	1	0	0	52529.42
2761+50.01	1	197.01	363.16	363.16	363.16	1	0	0	0	0	0	3	194.01	357.60	0	1	0	0	52892.58
2762+00.01	1	198.71	366.41	366.41	366.41	1	0	0	0	0	0	3	195.71	360.85	0	1	0	0	53258.99
2762+50.01	1	197.55	366.9	366.9	366.9	1	0	0	0	0	0	3	194.55	361.35	0	1	0	0	53625.89
2763+00.01	1	197.77	366.04	366.04	366.04	1	0	0	0	0	0	3	194.77	360.48	0	1	0	0	53991.92
2763+50.01	1	196.42	364.99	364.99	364.99	1	0	0	0	0	0	3	193.42	359.44	0	1	0	0	54356.91
2764+00.01	1	196.26	363.59	363.59	363.59	1	0	0	0	0	0	3	193.26	358.04	0	1	0	0	54720.5
2764+50.01	1	197.31	364.41	364.41	364.41	1	0	0.01	0.01	0.01	0.01	3	194.31	358.86	0	1	0	0	55084.91

2765+00.0	1	277.42	439.56	439.56	1	0	0	0	0	3	274.42	434.01	0	1	0	0	55524.47
2765+50.0	1	280.34	516.45	516.45	1	0	0	0	0	3	277.34	510.89	0	1	0	0	56040.92
2766+00.0	1	280.13	518.96	518.96	1	0	0	0	0	3	277.13	513.40	0	1	0	0	56559.88
2766+50.0	1	278	516.79	516.79	1	0	0	0	0	3	275	511.23	0	1	0	0	57076.67
2767+00.0	1	276.81	513.71	513.71	1	0	0	0	0	3	273.81	508.16	0	1	0	0	57590.38
2767+50.0	1	280.62	516.14	516.14	1	0	0	0	0	3	277.62	510.58	0	1	0	0	58106.52
2768+00.0	1	281.16	520.17	520.17	1	0	0	0	0	3	278.16	514.61	0	1	0	0	58626.69
2768+50.0	1	280.78	520.32	520.32	1	0	0	0	0	3	277.78	514.76	0	1	0	0	59147.01
2769+00.0	1	280.73	519.92	519.92	1	0	0	0	0	3	277.73	514.36	0	1	0	0	59666.93
2769+50.0	1	280.76	519.9	519.9	1	0	0	0	0	3	277.76	514.34	0	1	0	0	60186.83
2770+00.0	1	279.88	519.11	519.11	1	0	0	0	0	3	276.88	513.56	0	1	0	0	60705.94
2770+50.0	1	281.9	520.16	520.16	1	0	0	0	0	3	278.9	514.61	0	1	0	0	61226.1
2771+00.0	1	280.38	520.63	520.63	1	0.03	0.03	0.03	0.03	3	277.38	515.07	0	1	0	0	61746.7
2771+50.0	1	282.34	521.04	521.04	1	0.01	0.04	0.04	0.04	3	279.34	515.48	0	1	0	0	62267.7
2772+00.0	1	284.87	525.2	525.2	1	0	0.01	0.01	0.01	3	281.87	519.64	0	1	0	0	62792.88
2772+50.0	1	285.78	528.38	528.38	1	0.02	0.02	0.02	0.02	3	282.78	522.82	0	1	0	0	63321.25
2773+00.0	1	283.76	527.36	527.36	1	0.01	0.03	0.03	0.03	3	280.76	521.80	0	1	0	0	63848.58
2773+50.0	1	282.92	524.71	524.71	1	0	0.01	0.01	0.01	3	279.92	519.15	0	1	0	0	64373.28
2774+00.0	1	282.23	523.29	523.29	1	0	0	0	0	3	279.23	517.73	0	1	0	0	64896.57
2774+50.0	1	282.95	523.32	523.32	1	0	0	0	0	3	279.95	517.76	0	1	0	0	65419.88
2775+00.0	1	279.67	520.95	520.95	1	0	0	0	0	3	276.67	515.39	0	1	0	0	65940.83
2775+50.0	1	279.59	517.83	517.83	1	0	0	0	0	3	276.59	512.28	0	1	0	0	66458.66
2776+00.0	1	694.98	902.37	902.37	1	0.33	0.31	0.31	0.31	0	694.98	899.60	0	1	0	0	67360.73
2776+50.0	1	697.62	1289.44	1289.44	1	0.32	0.61	0.61	0.61	0	697.62	1289.44	0	1	0	0	68649.56
2777+00.0	1	699.7	1293.81	1293.81	1	0.33	0.6	0.6	0.6	0	699.7	1293.81	0	1	0	0	69942.77
2777+50.0	1	694.05	1290.51	1290.51	1	0.35	0.62	0.62	0.62	0	694.05	1290.51	0	1	0	0	71232.65
2778+00.0	1	681.06	1273.25	1273.25	1	0.33	0.62	0.62	0.62	0	681.06	1273.25	0	1	0	0	72505.28
2778+50.0	1	671.65	1252.51	1252.51	1	0.35	0.63	0.63	0.63	0	671.65	1252.51	0	1	0	0	73757.16
2779+00.0	1	666.75	1239.26	1239.26	1	0.38	0.67	0.67	0.67	0	666.75	1239.26	0	1	0	0	74995.75
2779+50.0	1	643.53	1213.22	1213.22	1	0.44	0.76	0.76	0.76	0	643.53	1213.22	0	1	0	0	76208.22
2780+00.0	1	627.41	1176.8	1176.8	1	0.57	0.93	0.93	0.93	0	627.41	1176.80	0	1	0	0	77384.09
2780+50.0	1	614.07	1149.53	1149.53	1	0.67	1.15	1.15	1.15	0	614.07	1149.52	0	1	0	0	78532.46
2781+00.0	1	598.86	1123.09	1123.09	1	1.65	2.15	2.15	2.15	0	598.86	1123.08	0	1	0	0	79653.4
2781+50.0	1	581.75	1093.16	1093.16	1	1.07	2.53	2.53	2.53	0	581.75	1093.16	0	1	0	0	80744.03
2782+00.0	1	413.46	921.49	921.49	1	1.41	2.3	2.3	2.3	0	413.46	921.49	0	1	0	0	81663.22
2782+50.0	1	399.39	752.64	752.64	1	5.07	6	6	6	0	399.39	752.64	0	1	0	0	82409.85
2783+00.0	1	462.09	797.67	797.67	1	0.46	5.12	5.12	5.12	0	462.09	797.67	0	1	0	0	83202.39
2783+50.0	1	459.04	852.9	852.9	1	0.53	0.92	0.92	0.92	0	459.04	852.90	0	1	0	0	84054.38
2784+00.0	1	499.66	887.68	887.68	1	0.54	0.99	0.99	0.99	0	499.66	887.69	0	1	0	0	84941.07
2784+50.0	1	471.41	899.14	899.14	1	0.61	1.06	1.06	1.06	0	471.41	899.14	0	1	0	0	85839.15
2785+00.0	1	472.74	874.21	874.21	1	0.66	1.18	1.18	1.18	0	472.74	874.21	0	1	0	0	86712.18
2785+50.0	1	442.38	847.33	847.33	1	0.64	1.21	1.21	1.21	0	442.38	847.33	0	1	0	0	87558.3
2786+00.0	1	427.05	805.02	805.02	1	0.69	1.24	1.24	1.24	0	427.05	805.03	0	1	0	0	88362.08
2786+50.0	1	420.86	785.1	785.1	1	0.72	1.31	1.31	1.31	0	420.86	785.10	0	1	0	0	89145.87

2787+00.0	1	426.29	784.4	784.4	1	0.69	1.3	1.3	0	426.29	784.40	0	1	0	0	89928.97
2787+50.0	1	445.23	806.97	806.97	1	0.71	1.29	1.29	0	445.23	806.96	0	1	0	0	90734.64
2788+00.0	1	1522.3	1821.79	1821.79	1	0.74	1.35	1.35	1119.21	403.09	785.48	1119.21	1	0	0	92555.08
2788+50.0	1	1420.31	2724.63	2724.63	1	1.05	1.67	1.67	1017.63	402.68	746.08	1017.63	1	0	0	95278.05
2789+00.0	1	1371.46	2584.97	2584.97	1	2.92	3.68	3.68	964.15	407.31	749.99	964.15	1	0	0	97859.34
2789+50.0	1	1331.73	2502.96	2502.96	1	19.66	20.91	20.91	928.32	403.41	750.67	928.32	1	0	0	100341.4
2790+00.0	1	1257.1	2397.07	2397.07	1	34.17	49.84	49.84	850.64	406.46	749.88	850.64	1	0	0	102688.6
2790+50.0	1	1237.46	2309.77	2309.77	1	64.94	91.77	91.77	834.25	403.21	749.69	834.25	1	0	0	104906.6
2791+00.0	1	1291.99	2342.08	2342.08	1	65.36	120.65	120.65	703.42	588.57	918.31	703.42	1	0	0	107128
2791+50.0	1	1263.94	2366.6	2366.6	1	62.63	118.51	118.51	640.79	623.15	1121.96	640.79	1	0	0	109376.1
2792+00.0	1	1163.57	2247.7	2247.7	1	57.36	111.1	111.1	536.48	627.09	1157.63	536.48	1	0	0	111512.7
2792+50.0	1	1222.79	2209.6	2209.6	1	56	104.96	104.96	767.14	455.65	1002.54	767.14	1	0	0	113617.4
2793+00.0	1	1513.51	2533.61	2533.61	1	50.3	98.43	98.43	1051.6	461.91	849.59	1051.6	1	0	0	116052.6
2793+50.0	1	749.21	2095.11	2095.11	1	1.78	48.23	48.23	245.91	503.3	893.71	2792.04	2546	0.5	1273.07	118099.4
2794+00.0	1	1840.63	2398	2398	1	2.25	3.73	3.73	1253.89	586.74	1009.30	1253.89	1	0	0	120493.7
Grand Total:			121306.4	121306.4			812.68	812.68	55,730.01	102,018.41	13,459.56	22,727.80				

Total True Cut 22,727.80
Total Over Ex 102,018.41

End Area Volume Report

Report Created: 5/11/2017
Time: 12:24pm

Cross Secti 2705-2794 Earthwork FILL
Alignment 7984 I-10 Median Cst CL
Input Grid

1 Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Baseline Station	Station Quantities				Added Quantities				Mass Ordinate			
	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted		Additional	Area	Vol
270580	1	29.73	0	0	0	1	86.9	0	0	0	86.9	0
2706+00.0	1	82.52	41.57	41.57	33.56	1	3.71	33.56	0	0	3.71	83.90
2706+50.0	1	45.31	118.36	118.36	54.72	1	55.38	54.72	0	0	55.38	54.71
2707+00.0	1	41.85	80.7	80.7	118.21	1	72.29	118.21	0	0	72.29	118.21
2707+50.0	1	42.96	78.53	78.53	143.15	1	82.31	143.15	0	0	82.31	143.15
2708+00.0	1	46.59	82.92	82.92	158.74	1	89.13	158.74	0	0	89.13	158.74
2708+50.0	1	45.21	85	85	171.24	1	95.8	171.24	0	0	95.8	171.23
2709+00.0	1	42.65	81.35	81.35	176.43	1	94.74	176.43	0	0	94.74	176.43
2709+50.0	1	42.96	79.27	79.27	167.52	1	86.18	167.52	0	0	86.18	167.52
2710+00.0	1	41.71	78.4	78.4	155.85	1	82.13	155.85	0	0	82.13	155.84
2710+50.0	1	41.52	77.07	77.07	156.46	1	86.84	156.46	0	0	86.84	156.45
2711+00.0	1	38.77	74.35	74.35	173.05	1	100.05	173.05	0	0	100.05	173.05
2711+50.0	1	37.1	70.25	70.25	189.18	1	104.26	189.18	0	0	104.26	189.18
2712+00.0	1	37.55	69.12	69.12	192.3	1	103.42	192.3	0	0	103.42	192.30
2712+50.0	1	36.47	68.54	68.54	197.98	1	110.39	197.98	0	0	110.39	197.97
2713+00.0	1	37.06	68.09	68.09	206.57	1	112.7	206.57	0	0	112.7	206.56
2713+50.0	1	37.55	69.08	69.08	208.01	1	111.95	208.01	0	0	111.95	208.01
2714+00.0	1	38.1	70.05	70.05	206.9	1	111.5	206.9	0	0	111.5	206.90
2714+50.0	1	37.58	70.07	70.07	205.28	1	110.2	205.28	0	0	110.2	205.28
2715+00.0	1	37.09	69.13	69.13	204.07	1	110.2	204.07	0	0	110.2	204.07
2715+50.0	1	37.8	69.34	69.34	206.82	1	113.16	206.82	0	0	113.16	206.81
2716+00.0	1	36.93	69.19	69.19	207.19	1	110.61	207.19	0	0	110.61	207.19
2716+50.0	1	36.3	67.8	67.8	204.27	1	110.01	204.27	0	0	110.01	204.28
2717+00.0	1	36.88	67.75	67.75	200.81	1	106.87	200.81	0	0	106.87	200.81
2717+50.0	1	37.69	69.04	69.04	197.87	1	106.83	197.87	0	0	106.83	197.87
2718+00.0	1	37.69	69.8	69.8	197.99	1	107	197.99	0	0	107	197.99
2718+50.0	1	38.54	70.59	70.59	196.06	1	104.75	196.06	0	0	104.75	196.06
2719+00.0	1	38.71	71.53	71.53	185.43	1	95.52	185.43	0	0	95.52	185.44
2719+50.0	1	41.73	74.48	74.48	142.53	1	58.42	142.53	0	0	58.42	142.54
2720+00.0	1	41.71	77.26	77.26	101.42	1	51.11	101.42	0	0	51.11	101.42
2720+50.0	1	36.54	72.45	72.45	144.21	1	104.64	144.21	0	0	104.64	144.21
2721+00.0	1	34.7	65.96	65.96	201.11	1	112.55	201.11	0	0	112.55	201.10

2744+00.0	1	36.7	68.16	68.16	127.37	230.2	230.2	0	0	0	127.37	230.20	-5562.15
2744+50.0	1	36.63	67.9	67.9	131.6	239.78	239.78	0	0	0	131.6	239.79	-5734.03
2745+00.0	1	36.13	67.37	67.37	134.65	246.53	246.53	0	0	0	134.65	246.53	-5913.18
2745+50.0	1	36.24	67	67	132.7	247.55	247.55	0	0	0	132.7	247.55	-6093.73
2746+00.0	1	37.47	68.25	68.25	103.82	218.99	218.99	0	0	0	103.82	219.00	-6244.47
2746+50.0	1	37.66	69.57	69.57	94.21	183.36	183.36	0	0	0	94.21	183.36	-6358.26
2747+00.0	1	37.01	69.14	69.14	137.12	214.19	214.19	0	0	0	137.12	214.19	-6503.32
2747+50.0	1	35.89	67.5	67.5	134.98	251.94	251.94	0	0	0	134.98	251.94	-6687.76
2748+00.0	1	35.75	66.33	66.33	136.68	251.53	251.53	0	0	0	136.68	251.54	-6872.96
2748+50.0	1	36.4	66.8	66.8	137.13	253.52	253.52	0	0	0	137.13	253.53	-7059.68
2749+00.0	1	37	67.96	67.96	134.25	251.27	251.27	0	0	0	134.25	251.28	-7242.99
2749+50.0	1	36.73	68.27	68.27	132.68	247.15	247.15	0	0	0	132.68	247.16	-7421.87
2750+00.0	1	36.68	67.97	67.97	132.1	245.16	245.16	0	0	0	132.1	245.17	-7599.06
2750+50.0	1	36.49	67.75	67.75	131.74	244.3	244.3	0	0	0	131.74	244.30	-7775.61
2751+00.0	1	36.28	67.38	67.38	131.58	243.81	243.81	0	0	0	131.58	243.81	-7952.04
2751+50.0	1	36.45	67.34	67.34	128.77	241.06	241.06	0	0	0	128.77	241.06	-8125.77
2752+00.0	1	36.53	67.57	67.57	129.21	238.87	238.87	0	0	0	129.21	238.87	-8297.07
2752+50.0	1	37.19	68.25	68.25	128.73	238.84	238.84	0	0	0	128.73	238.83	-8467.65
2753+00.0	1	36.8	68.51	68.51	129.63	239.22	239.22	0	0	0	129.63	239.22	-8638.37
2753+50.0	1	36.14	67.54	67.54	134.09	244.18	244.18	0	0	0	134.09	244.19	-8815.02
2754+00.0	1	35.61	66.43	66.43	134.71	248.89	248.89	0	0	0	134.71	248.89	-8997.47
2754+50.0	1	35.04	65.42	65.42	131.67	246.65	246.65	0	0	0	131.67	246.65	-9178.71
2755+00.0	1	34.99	64.84	64.84	130.55	242.8	242.8	0	0	0	130.55	242.80	-9356.66
2755+50.0	1	35.29	65.07	65.07	132.37	243.45	243.45	0	0	0	132.37	243.44	-9535.04
2756+00.0	1	34.85	64.94	64.94	134.66	247.25	247.25	0	0	0	134.66	247.25	-9717.35
2756+50.0	1	35.4	65.04	65.04	134.2	248.95	248.95	0	0	0	134.2	248.94	-9901.25
2757+00.0	1	35.34	65.5	65.5	130.23	244.84	244.84	0	0	0	130.23	244.84	-10080.6
2757+50.0	1	35.17	65.28	65.28	127.23	238.39	238.39	0	0	0	127.23	238.39	-10253.7
2758+00.0	1	35.27	65.22	65.22	123.03	231.73	231.73	0	0	0	123.03	231.72	-10420.2
2758+50.0	1	33.93	64.07	64.07	121.53	226.44	226.44	0	0	0	121.53	226.44	-10582.6
2759+00.0	1	31.89	60.95	60.95	120.11	223.74	223.74	0	0	0	120.11	223.74	-10745.4
2759+50.0	1	38.83	65.48	65.48	78.45	183.85	183.85	0	0	0	78.45	183.85	-10863.7
2760+00.0	1	43.32	76.07	76.07	55.56	124.08	124.08	0	0	0	55.56	124.08	-10911.8
2760+50.0	1	33.64	71.27	71.27	116.41	159.23	159.23	0	0	0	116.41	159.23	-10999.7
2761+00.0	1	33.79	62.44	62.44	114.97	214.24	214.24	0	0	0	114.97	214.24	-11151.5
2761+50.0	1	33.48	62.29	62.29	115.08	213.01	213.01	0	0	0	115.08	213.01	-11302.2
2762+00.0	1	33.99	62.48	62.48	110.47	208.84	208.84	0	0	0	110.47	208.84	-11448.6
2762+50.0	1	34.54	63.46	63.46	104.79	199.31	199.31	0	0	0	104.79	199.31	-11584.5
2763+00.0	1	34.04	63.5	63.5	107.21	196.29	196.29	0	0	0	107.21	196.30	-11717.3
2763+50.0	1	33.57	62.61	62.61	115.84	206.52	206.52	0	0	0	115.84	206.53	-11861.2
2764+00.0	1	33.1	61.73	61.73	117.67	216.21	216.21	0	0	0	117.67	216.21	-12015.7
2764+50.0	1	33.09	61.28	61.28	115.78	216.16	216.16	0	0	0	115.78	216.16	-12170.5
2765+00.0	1	33.49	61.65	61.65	115.09	213.77	213.77	0	0	0	115.09	213.77	-12322.7
2765+50.0	1	35.29	63.69	63.69	115.83	213.81	213.81	0	0	0	115.83	213.81	-12472.8
2766+00.0	1	35.8	65.83	65.83	117.09	215.67	215.67	0	0	0	117.09	215.67	-12622.6

2789+00.0	1	964.15	1834.98	1834.98	1	691.4	1261.5	1261.5	1	0	0	0	0	0	0	691.4	1261.50	-24627.6
2789+50.0	1	928.32	1752.29	1752.29	1	711.17	1298.67	1298.67	1	0	0	0	0	0	0	711.17	1298.68	-24174
2790+00.0	1	850.64	1647.18	1647.18	1	713.77	1319.39	1319.39	1	0	0	0	0	0	0	713.77	1319.39	-23846.2
2790+50.0	1	834.25	1560.08	1560.08	1	763.24	1367.6	1367.6	1	0	0	0	0	0	0	763.24	1367.60	-23653.8
2791+00.0	1	703.42	1423.76	1423.76	1	840.78	1485.2	1485.2	1	0	0	0	0	0	0	840.78	1485.20	-23715.2
2791+50.0	1	640.79	1244.64	1244.64	1	907.51	1618.79	1618.79	1	0	0	0	0	0	0	907.51	1618.79	-24089.3
2792+00.0	1	536.48	1090.07	1090.07	1	880.08	1655.18	1655.18	1	0	0	0	0	0	0	880.08	1655.18	-24654.5
2792+50.0	1	767.14	1207.06	1207.06	1	671.89	1437.01	1437.01	1	0	0	0	0	0	0	671.89	1437.01	-24884.4
2793+00.0	1	1051.6	1684.01	1684.01	1	566.41	1146.58	1146.58	1	0	0	0	0	0	0	566.41	1146.57	-24347
2793+50.0	1	245.91	1201.39	1201.39	1	2163.92	2528.08	2528.08	1	0	0.5	0	0	0	0	283.205	786.68	-25673.7
279400	1	1253.89	1388.7	1388.7	1	4280.7	5967.24	5967.24	1	0	0.5	0	0	0	0	283.205	524.45	-30252.2
Grand Total:			33675.67	33675.67		63927.87	63927.87	63927.87		0	0	0	0	0	0	30,853.81	56,794.00	

Total Fill 56,794.00 Cu.Yd.

Model Was filling for bridge
area, assume 50% of Section
2793+50 to be fill in this two
staitons.

End Area Volume Report

Report Created: 5/11/2017
 Time: 12:53pm

Cross Sectir: 2794-2799 Earthwork Bridge
 Alignment: 7984 I-10 Median Cst CL
 Input Grid I

1 Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Station	Station Quantities					Added Quantities					Mass					
	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Volume	Adjusted		OverExArea	OverEx Vol	True Cut	Tcut Vol	Bridge A
2794+00.00	1	1839.86	0	0	0	1	2.25	0	0	0	586.74	0	1253.12	0	0	0
2794+50.00	1	1786.55	3357.79	3357.79	4.55	1	2.67	4.55	4.55	4.55	468.97	977.51	1317.58	2380.28	0	3353.23
2795+00.00	1	839.89	2431.89	2431.89	4.9	1	2.63	4.9	4.9	4.9	0	434.23	0	0	0	5780.21
2795+50.00	1	807.86	1525.69	1525.69	4.92	1	2.68	4.92	4.92	4.92	0	0.00	0	0	0	7300.99
2796+00.00	1	895.48	1577.16	1577.16	4.96	1	2.68	4.96	4.96	4.96	0	0.00	0	0	0	8873.19
2796+50.00	1	788.26	1559.01	1559.01	5.05	1	2.77	5.05	5.05	5.05	0	0.00	0	0	0	10427.16
2797+00.00	1	758.7	1432.37	1432.37	5.25	1	2.9	5.25	5.25	5.25	0	0.00	0	0	0	11854.27
2797+50.00	1	705.87	1356.09	1356.09	5.32	1	2.84	5.32	5.32	5.32	0	0.00	0	0	0	13205.05
2798+00.00	1	705.02	1306.38	1306.38	24.58	1	23.7	24.58	24.58	24.58	0	0.00	4396.97	0.00	4044.46	14486.85
2798+50.00	1	712.73	1312.73	1312.73	24.07	1	2.3	24.07	24.07	24.07	0	0.00	6806.515	10373.60	6450.15	15775.51
2799+00.00	1	528.46	1149.25	1149.25	165.87	1	176.84	165.87	165.87	165.87	0	0.00	1352.97	7555.08	1088.74	16758.9
2799+50.00	1	1017.16	1431.13	1431.13	195.8	1	34.63	195.8	195.8	195.8	0	0.00	14306.66	14499.66	13289.5	17994.23
Grand Total:			18439.5	18439.5	445.27			445.27	445.27	445.27	1,055.71	1,411.74	29,433.82	34,808.61		

Over Ex Cut 1,411.74 Cu.Yd.
 True Cut w Bridge Cut 34,808.61 Cu.Yd.

End Area Volume Report

Report Created: 5/11/2017

Time: 12:50pm

Cross Secti 2799-2859 Earthwork CUT
 Alignment 7984 I-10 Median Cst CL

Input Grid 1 Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

added 761SF/2exageration to adjust missing cut in cross

Station	Cut			Station Quantities			Fill			Added Quantities			Tcut Vol	Brd A	Mass	Ordinate
	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	OvExArea	OvEx Vol	Tcut Area	Tcut Vol				
2799+50.0	1	1017.16	0	0	1	34.63	0	0	1017.16	0	0.00	9586.34	0.00	8569.18	0	0
2800+00.0	1	906.78	1781.42	1781.42	1	33.75	63.31	63.31	906.78	0	0.00	5927.39	14364.56	5020.61	1718.11	0
2800+50.0	1	678.47	1467.83	1467.83	1	34.57	63.26	63.26	678.47	0	0.00	3314.55	8557.35	2636.08	3122.68	0
2801+00.0	1	1527.36	2042.44	2042.44	1	36.32	65.64	65.64	1054.73	472.63	437.62	1054.73	4045.63	0	5099.48	0
2801+50.0	1	956.07	2299.47	2299.47	1	43.73	74.12	74.12	485.68	470.39	873.17	485.68	1426.31	0	7324.84	0
2802+00.0	1	852.56	1674.66	1674.66	1	30.77	68.98	68.98	130.32	722.24	1104.29	130.32	570.37	0	8930.51	0
2802+50.0	1	820.23	1548.88	1548.88	1	37.98	63.66	63.66	89.26	730.97	1345.56	89.26	203.31	0	10415.73	0
2803+00.0	1	787.07	1488.24	1488.24	1	56.41	87.4	87.4	60.34	1107.23	1702.04	60.34	138.52	0	11816.57	0
2803+50.0	1	747.95	1421.32	1421.32	1	79.69	126.02	126.02	42.06	1086.39	2031.13	42.06	94.81	0	13111.87	0
2804+00.0	1	713.87	1353.54	1353.54	1	108.94	174.65	174.65	20.32	1074.05	2000.41	20.32	57.76	0	14290.75	0
2804+50.0	1	688.24	1298.25	1298.25	1	164.91	253.56	253.56	0.01	1068.73	1984.06	0.01	18.82	0	15335.44	0
2805+00.0	1	685.62	1272.09	1272.09	1	198.7	336.67	336.67	0	1066.12	1976.71	0	0.01	0	16270.86	0
2805+50.0	1	675.79	1260.56	1260.56	1	251.03	416.42	416.42	0	1056.29	1965.19	0	0.00	0	17115	0
2806+00.0	1	668.91	1245.09	1245.09	1	292.54	503.31	503.31	0	1049.41	1949.72	0	0.00	0	17856.78	0
2806+50.0	1	653.2	1224.17	1224.17	1	297.02	545.89	545.89	0	1033.7	1928.81	0	0.00	0	18535.07	0
2807+00.0	1	642.45	1199.68	1199.68	1	324.87	575.82	575.82	0	1022.95	1904.31	0	0.00	0	19158.92	0
2807+50.0	1	636.87	1184.56	1184.56	1	304.43	582.68	582.68	0	1017.37	1889.19	0	0.00	0	19760.81	0
2808+00.0	1	616.78	1160.79	1160.79	1	334.72	591.8	591.8	0	997.28	1865.42	0	0.00	0	20329.8	0
2808+50.0	1	863.49	1370.62	1370.62	1	0.97	310.82	310.82	0	863.49	1722.94	0	0.00	0	21389.6	0
2809+00.0	1	827.48	1565.71	1565.71	1	0.9	1.72	1.72	0	827.48	1565.71	0	0.00	0	22953.58	0
2809+50.0	1	827.52	1532.41	1532.41	1	0.85	1.61	1.61	0	827.52	1532.41	0	0.00	0	24484.38	0
2810+00.0	1	785.49	1493.53	1493.53	1	0.81	1.54	1.54	0	785.49	1493.53	0	0.00	0	25976.37	0
2810+50.0	1	791.22	1459.92	1459.92	1	0.78	1.47	1.47	0	791.22	1459.92	0	0.00	0	27434.82	0
2811+00.0	1	766.7	1442.52	1442.52	1	0.76	1.42	1.42	0	766.7	1442.52	0	0.00	0	28875.92	0
2811+50.0	1	718.85	1375.51	1375.51	1	0.71	1.36	1.36	0	718.85	1375.51	0	0.00	0	30250.07	0
2812+00.0	1	707.45	1320.65	1320.65	1	0.69	1.3	1.3	0	707.45	1320.65	0	0.00	0	31569.41	0
2812+50.0	1	673.48	1278.64	1278.64	1	0.7	1.29	1.29	0	673.48	1278.64	0	0.00	0	32846.76	0
2813+00.0	1	651.57	1226.89	1226.89	1	0.71	1.31	1.31	0	651.57	1226.90	0	0.00	0	34072.34	0
2813+50.0	1	639.19	1195.14	1195.14	1	0.6	1.21	1.21	0	639.19	1195.15	0	0.00	0	35266.27	0

2814+00.0	1	620.55	1166.42	1166.42	1	0.54	1.06	1.06	1.06	0	620.55	1166.43	0	0.00	0	36431.63
2814+50.0	1	612.83	1142.02	1142.02	1	0.51	0.98	0.98	0.98	0	612.83	1142.02	0	0.00	0	37572.67
2815+00.0	1	596.12	1119.4	1119.4	1	0.48	0.92	0.92	0.92	0	596.12	1119.40	0	0.00	0	38691.14
2815+50.0	1	599.56	1107.11	1107.11	1	0.45	0.85	0.85	0.85	0	599.56	1107.11	0	0.00	0	39797.4
2816+00.0	1	403.66	928.91	928.91	1	0.42	0.8	0.8	0.8	0	403.66	928.91	0	0.00	0	40725.51
2816+50.0	1	429.32	771.28	771.28	1	0.4	0.75	0.75	0.75	0	429.32	771.28	0	0.00	0	41496.04
2817+00.0	1	457.08	820.74	820.74	1	0.38	0.72	0.72	0.72	0	457.08	820.74	0	0.00	0	42316.06
2817+50.0	1	491.36	878.18	878.18	1	0.38	0.71	0.71	0.71	0	491.36	878.19	0	0.00	0	43193.53
2818+00.0	1	508.23	925.54	925.54	1	0.38	0.7	0.7	0.7	0	508.23	925.55	0	0.00	0	44118.37
2818+50.0	1	519.08	951.21	951.21	1	0.36	0.68	0.68	0.68	0	519.08	951.21	0	0.00	0	45068.9
2819+00.0	1	128.43	599.54	599.54	1	0.01	0.35	0.35	0.35	-171.685	300.115	758.51	0	0.00	0	45668.1
2819+50.0	1	188	292.99	292.99	1	0.03	0.04	0.04	0.04	3	185	449.18	3	2.78	0	45961.05
2820+00.0	1	194.32	354	354	1	0.07	0.09	0.09	0.09	3	191.32	348.44	3	5.56	0	46314.96
2820+50.0	1	189.75	355.62	355.62	1	0.08	0.14	0.14	0.14	3	186.75	350.06	3	5.56	0	46670.44
2821+00.0	1	191.46	352.97	352.97	1	0	0.08	0.08	0.08	3	188.46	347.42	3	5.56	0	47023.32
2821+50.0	1	189.59	352.83	352.83	1	0.05	0.05	0.05	0.05	3	186.59	347.27	3	5.56	0	47376.1
2822+00.0	1	187.28	348.96	348.96	1	0	0.05	0.05	0.05	3	184.28	343.40	3	5.56	0	47725
2822+50.0	1	190.52	349.81	349.81	1	0.05	0.05	0.05	0.05	3	187.52	344.26	3	5.56	0	48074.77
2823+00.0	1	195.28	357.22	357.22	1	0.24	0.27	0.27	0.27	3	192.28	351.67	3	5.56	0	48431.72
2823+50.0	1	196.3	362.57	362.57	1	0	0.22	0.22	0.22	3	193.3	357.02	3	5.56	0	48794.07
2824+00.0	1	204.82	371.4	371.4	1	0	0	0	0	3	201.82	365.85	3	5.56	0	49165.48
2824+50.0	1	201.82	376.51	376.51	1	0	0	0	0	3	198.82	370.96	3	5.56	0	49541.99
2825+00.0	1	190.39	363.15	363.15	1	0	0	0	0	3	187.39	357.60	3	5.56	0	49905.14
2825+50.0	1	183.48	346.17	346.17	1	0	0	0	0	3	180.48	340.62	3	5.56	0	50251.3
2826+00.0	1	187.1	343.12	343.12	1	0	0	0	0	3	184.1	337.57	3	5.56	0	50594.43
2826+50.0	1	196.61	355.28	355.28	1	0	0	0	0	3	193.61	349.73	3	5.56	0	50949.71
2827+00.0	1	193.79	361.48	361.48	1	0	0	0	0	3	190.79	355.93	3	5.56	0	51311.19
2827+50.0	1	188.69	354.15	354.15	1	0.08	0.08	0.08	0.08	3	185.69	348.59	3	5.56	0	51665.27
2828+00.0	1	207.09	366.47	366.47	1	0	0.08	0.08	0.08	3	204.09	360.91	3	5.56	0	52031.66
2828+50.0	1	261.74	434.1	434.1	1	0	0	0	0	3	258.74	428.55	3	5.56	0	52465.76
2829+00.0	1	201.09	428.55	428.55	1	0.01	0.01	0.01	0.01	3	198.09	422.99	3	5.56	0	52894.3
2829+50.0	1	186.01	358.42	358.42	1	0.03	0.04	0.04	0.04	3	183.01	352.87	3	5.56	0	53252.69
2830+00.0	1	187.22	345.58	345.58	1	0	0.03	0.03	0.03	3	184.22	340.03	3	5.56	0	53598.24
2830+50.0	1	198.69	357.32	357.32	1	0.05	0.05	0.05	0.05	3	195.69	351.77	3	5.56	0	53955.51
2831+00.0	1	184.03	354.37	354.37	1	0	0.05	0.05	0.05	3	181.03	348.81	3	5.56	0	54309.83
2831+50.0	1	181.27	338.24	338.24	1	0	0	0	0	3	178.27	332.69	3	5.56	0	54648.07
2832+00.0	1	179.12	333.7	333.7	1	0.14	0.13	0.13	0.13	3	176.12	328.14	3	5.56	0	54981.64
2832+50.0	1	177.53	330.23	330.23	1	0	0.13	0.13	0.13	3	174.53	324.68	3	5.56	0	55311.75
2833+00.0	1	178.02	329.21	329.21	1	0	0	0	0	3	175.02	323.66	3	5.56	0	55640.96
2833+50.0	1	184.49	335.66	335.66	1	0	0	0	0	3	181.49	330.10	3	5.56	0	55976.62
2834+00.0	1	198.83	354.93	354.93	1	0.09	0.08	0.08	0.08	3	195.83	349.37	3	5.56	0	56331.46
2834+50.0	1	190.53	360.52	360.52	1	0	0.08	0.08	0.08	3	187.53	354.96	3	5.56	0	56691.9

2835+00.0	1	194.66	356.66	356.66	356.66	1	0	0	0	3	191.66	351.10	3	5.56	0	57048.56
2835+50.0	1	203.83	368.97	368.97	368.97	1	0	0	0	3	200.83	363.42	3	5.56	0	57417.53
2836+00.0	1	192.47	366.94	366.94	366.94	1	0.01	0.01	0.01	3	189.47	361.39	3	5.56	0	57784.47
2836+50.0	1	188.12	352.4	352.4	352.4	1	0	0.01	0.01	3	185.12	346.84	3	5.56	0	58136.86
2837+00.0	1	195.83	355.51	355.51	355.51	1	0.02	0.02	0.02	3	192.83	349.95	3	5.56	0	58492.35
2837+50.0	1	195.3	362.16	362.16	362.16	1	0	0.02	0.02	3	192.3	356.60	3	5.56	0	58854.49
2838+00.0	1	200.32	366.31	366.31	366.31	1	0	0	0	3	197.32	360.76	3	5.56	0	59220.8
2838+50.0	1	192.77	363.97	363.97	363.97	1	0	0	0	3	189.77	358.42	3	5.56	0	59584.77
2839+00.0	1	201.53	365.09	365.09	365.09	1	0.01	0.01	0.01	3	198.53	359.54	3	5.56	0	59949.85
2839+50.0	1	197.3	369.29	369.29	369.29	1	0.01	0.02	0.02	3	194.3	363.73	3	5.56	0	60319.12
2840+00.0	1	193.09	361.48	361.48	361.48	1	0	0.01	0.01	3	190.09	355.92	3	5.56	0	60680.59
2840+50.0	1	199.48	363.49	363.49	363.49	1	0	0	0	3	196.48	357.94	3	5.56	0	61044.08
2841+00.0	1	201.96	371.7	371.7	371.7	1	0	0	0	3	198.96	366.15	3	5.56	0	61415.78
2841+50.0	1	211.15	382.51	382.51	382.51	1	0.09	0.09	0.09	3	208.15	376.95	3	5.56	0	61798.2
2842+00.0	1	193.9	375.05	375.05	375.05	1	0	0.09	0.09	3	190.9	369.49	3	5.56	0	62173.16
2842+50.0	1	193.63	358.83	358.83	358.83	1	0	0	0	3	190.63	353.27	3	5.56	0	62531.99
2843+00.0	1	188.84	354.14	354.14	354.14	1	0	0	0	3	185.84	348.58	3	5.56	0	62886.13
2843+50.0	1	188.79	349.66	349.66	349.66	1	0	0	0	3	185.79	344.10	3	5.56	0	63235.78
2844+00.0	1	197.81	357.96	357.96	357.96	1	0	0	0	3	194.81	352.41	3	5.56	0	63593.74
2844+50.0	1	321.76	481.09	481.09	481.09	1	0	0	0	3	318.76	475.53	3	5.56	0	64074.83
2845+00.0	1	351.78	623.65	623.65	623.65	1	0	0	0	3	348.78	618.09	3	5.56	0	64698.48
2845+50.0	1	372.08	670.24	670.24	670.24	1	0	0	0	3	369.08	664.69	3	5.56	0	65368.72
2846+00.0	1	419.54	732.98	732.98	732.98	1	0	0	0	3	416.54	727.43	3	5.56	0	66101.71
2846+50.0	1	454.04	808.86	808.86	808.86	1	0	0	0	3	451.04	803.31	3	5.56	0	66910.57
2847+00.0	1	457.45	843.97	843.97	843.97	1	0.05	0.05	0.05	3	454.45	838.42	3	5.56	0	67754.5
2847+50.0	1	465.92	854.98	854.98	854.98	1	0	0.05	0.05	3	462.92	849.42	3	5.56	0	68609.42
2848+00.0	1	431.06	830.54	830.54	830.54	1	0	0	0	3	428.06	824.98	3	5.56	0	69439.96
2848+50.0	1	403.47	772.71	772.71	772.71	1	0.3	0.28	0.28	3	400.47	767.16	3	5.56	0	70212.39
2849+00.0	1	342.76	690.95	690.95	690.95	1	0.36	0.61	0.61	-834.67	1177.43	1461.02	0	2.78	0	70902.73
2849+50.0	1	328.85	621.86	621.86	621.86	1	17.44	16.48	16.48	0	328.85	1394.70	0	0.00	0	71508.11
2850+00.0	1	208.77	497.79	497.79	497.79	1	0	16.15	16.15	0	208.77	497.80	0	0.00	0	71989.75
2850+50.0	1	201.02	379.43	379.43	379.43	1	0	0	0	0	201.02	379.44	0	0.00	0	72369.18
2851+00.0	1	175.83	348.93	348.93	348.93	1	6.07	5.62	5.62	0	175.83	348.94	0	0.00	0	72712.49
2851+50.0	1	196.52	344.77	344.77	344.77	1	0	5.62	5.62	0	196.52	344.77	0	0.00	0	73051.63
2852+00.0	1	197.93	365.23	365.23	365.23	1	0	0	0	0	197.93	365.23	0	0.00	0	73416.86
2852+50.0	1	197.12	365.78	365.78	365.78	1	0	0	0	0	197.12	365.79	0	0.00	0	73782.65
2853+00.0	1	203.47	370.92	370.92	370.92	1	0	0	0	0	203.47	370.92	0	0.00	0	74153.56
2853+50.0	1	200.41	373.97	373.97	373.97	1	0	0	0	0	200.41	373.96	0	0.00	0	74527.53
2854+00.0	1	202.82	373.36	373.36	373.36	1	0.01	0.01	0.01	0	202.82	373.36	0	0.00	0	74900.89
2854+50.0	1	202.42	375.22	375.22	375.22	1	0	0.01	0.01	0	202.42	375.22	0	0.00	0	75276.1
2855+00.0	1	206.88	378.98	378.98	378.98	1	0	0	0	0	206.88	378.98	0	0.00	0	75655.08
2855+50.0	1	209.42	385.46	385.46	385.46	1	0	0	0	0	209.42	385.46	0	0.00	0	76040.53

2856+00.0i	1	210.63	388.93	388.93	388.93	0	0	0	0	210.63	388.94	0	0.00	0	76429.47
2856+50.0i	1	208.27	387.87	387.87	387.87	0	0	0	0	208.27	387.87	0	0.00	0	76817.33
2857+00.0i	1	207.8	385.24	385.24	385.24	0	0	0	0	207.8	385.25	0	0.00	0	77202.58
2857+50.0i	1	208.4	385.37	385.37	385.37	0	0	0	0	208.4	385.37	0	0.00	0	77587.95
2858+00.0i	1	207.37	384.98	384.98	384.98	0	0	0	0	207.37	384.97	0	0.00	0	77972.92
2858+50.0i	1	203.83	380.75	380.75	380.75	0	0	0	0	203.83	380.74	0	0.00	0	78353.67
2859+00.0i	1	202.72	376.44	376.44	376.44	0	0	0	0	202.72	376.44	0	0.00	0	78730.1
2859+50.0i	1	204.07	376.65	376.65	376.65	0	0	0	0	204.07	376.66	0	0.00	0	79106.76
2859+71.0i	1	211.61	161.65	161.65	161.65	0	0	0	0	211.61	384.89	0	0.00	0	79268.41
Grand Total:			84242.06	84242.06		4973.65	4973.65			46755.43	86388.19	20888	29805.24	0	

Total True Cut	29,805.24
Total Over Ex	86,388.19

End Area Volume Report

Report Created: 5/11/2017
Time: 12:07pm

Cross Secti 2799-2859 Earthwork FILL
Alignment 7984 I-10 Median Cst CL

Input Grid 1 Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Station	Station Quantities					Added Quantities					Mass	
	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Additional Area	Vol		Ordinate
2799+50.00	1	702.82	0	0	0	686.88	0	0	0	0	0	0
2800+00.00	1	436.23	1054.68	1054.68	0	816.07	1391.62	1391.62	0	260.7733	241.46	-336.94
2800+50.00	1	210.31	598.64	598.64	1	887.74	1577.61	1577.61	0	426.585	636.44	-1315.9
2801+00.00	1	1054.73	1171.33	1171.33	1	918.58	1672.52	1672.52	0	882.26	1211.89	-1817.09
2801+50.00	1	485.68	1426.31	1426.31	1	954.76	1734.58	1734.58	0	911.03	1660.45	-2125.35
2802+00.00	1	130.32	570.37	570.37	1	1664.01	2424.79	2424.79	0	1633.24	2355.81	-3979.76
2802+50.00	1	89.26	203.32	203.32	1	1679.25	3095.6	3095.6	0	17.97	3050.48	-6872.05
2803+00.00	1	60.34	138.52	138.52	1	1692.75	3122.22	3122.22	0	18.83	3088.15	-9855.75
2803+50.00	1	42.06	94.81	94.81	1	1745.14	3183.23	3183.23	0	19.5	3147.74	-12944.2
2804+00.00	1	20.32	57.77	57.77	1	1770.14	3254.88	3254.88	0	19.65	3218.64	-16141.3
2804+50.00	1	0.01	18.83	18.83	1	1820.7	3324.85	3324.85	0	20.47	3287.70	-19447.3
2805+00.00	1	0	0.01	0.01	1	1877.04	3423.83	3423.83	0	23.41	3383.20	-22871.1
2805+50.00	1	0	0	0	1	1930.93	3525.9	3525.9	0	23.41	3482.55	-26397
2806+00.00	1	0	0	0	1	1983.31	3624.3	3624.3	0	23.41	3580.94	-30021.3
2806+50.00	1	0	0	0	1	1968.18	3658.78	3658.78	0	24	3614.89	-33680.1
2807+00.00	1	0	0	0	1	1902.69	3584.14	3584.14	0	25	3538.77	-37264.2
2807+50.00	1	0	0	0	1	1804.52	3432.6	3432.6	0	25	3386.31	-40696.9
2808+00.00	1	0	0	0	1	1710.81	3254.93	3254.93	0	25	3208.64	-43951.8
2808+50.00	1	0	0	0	1	1689.63	3148.55	3148.55	0	0	3125.41	-47100.3
2809+00.00	1	0	0	0	1	1495.57	2949.26	2949.26	0	0	2949.26	-50049.6
2809+50.00	1	0	0	0	1	1425.67	2704.85	2704.85	0	0	2704.85	-52754.4
2810+00.00	1	0	0	0	1	1253.64	2480.85	2480.85	0	0	2480.84	-55235.3
2810+50.00	1	0	0	0	1	1101.72	2180.89	2180.89	0	0	2180.89	-57416.2
2811+00.00	1	0	0	0	1	1000.39	1946.4	1946.4	0	0	1946.40	-59362.6
2811+50.00	1	0	0	0	1	881.13	1742.15	1742.15	0	0	1742.15	-61104.7
2812+00.00	1	0	0	0	1	798.59	1555.29	1555.29	0	0	1555.30	-62660
2812+50.00	1	0	0	0	1	699.67	1387.27	1387.27	0	0	1387.28	-64047.3
2813+00.00	1	0	0	0	1	614.45	1216.78	1216.78	0	0	1216.78	-65264.1
2813+50.00	1	0	0	0	1	497.3	1029.4	1029.4	0	0	1029.40	-66293.5
2814+00.00	1	0	0	0	1	383.54	815.59	815.59	0	0	815.59	-67109.1
2814+50.00	1	2.3	2.13	2.13	1	297.82	630.89	630.89	0	0	630.89	-67737.8
2815+00.00	1	23.95	24.31	24.31	1	232.38	490.92	490.92	0	0	490.93	-68204.4
2815+50.00	1	58.34	76.2	76.2	1	195.99	396.64	396.64	0	0	396.64	-68524.9
2816+00.00	1	85.11	132.82	132.82	1	177.32	345.66	345.66	0	0	345.66	-68737.7

2816+50.0	1	103.95	175.06	175.06	175.06	314.56	314.56	1	0	0	0	0	0	162.41	314.56	-68877.2
2817+00.0	1	122.01	209.22	209.22	209.22	288.9	288.9	1	0	0	0	0	0	149.6	288.90	-68956.9
2817+50.0	1	142.62	245.02	245.02	245.02	266.98	266.98	1	0	0	0	0	0	138.74	266.98	-68978.9
2818+00.0	1	155.04	275.61	275.61	275.61	251.72	251.72	1	0	0	0	0	0	133.11	251.71	-68955
2818+50.0	1	162.56	294.07	294.07	294.07	239.3	239.3	1	0	0	0	0	0	125.33	239.30	-68900.2
2819+00.0	1	36.57	184.37	184.37	184.37	130.65	130.65	1	0	0	0	295.945	295.945	295.945	390.07	-68846.5
2819+50.0	1	36.79	67.92	67.92	67.92	125.7	125.7	1	0	0	0	0	0	119.98	385.12	-68904.3
2820+00.0	1	36.27	67.64	67.64	67.64	220.85	220.85	1	0	0	0	0	0	118.54	220.85	-69057.5
2820+50.0	1	35.58	66.53	66.53	66.53	218.97	218.97	1	0	0	0	0	0	117.95	218.97	-69209.9
2821+00.0	1	38.68	68.76	68.76	68.76	215.91	215.91	1	0	0	0	0	0	115.23	215.91	-69357.1
2821+50.0	1	36.28	69.4	69.4	69.4	211.59	211.59	1	0	0	0	0	0	113.28	211.58	-69499.2
2822+00.0	1	31.8	63.04	63.04	63.04	200	200	1	0	0	0	0	0	102.72	200.00	-69636.2
2822+50.0	1	35.87	62.65	62.65	62.65	187.91	187.91	1	0	0	0	0	0	100.22	187.91	-69761.5
2823+00.0	1	37.23	67.69	67.69	67.69	182.99	182.99	1	0	0	0	0	0	97.41	182.99	-69876.8
2823+50.0	1	35.9	67.71	67.71	67.71	178.49	178.49	1	0	0	0	0	0	95.37	178.50	-69987.5
2824+00.0	1	35.53	66.13	66.13	66.13	162.88	162.88	1	0	0	0	0	0	80.54	162.88	-70084.3
2824+50.0	1	36.91	67.07	67.07	67.07	155.93	155.93	1	0	0	0	0	0	87.86	155.93	-70173.2
2825+00.0	1	36.88	68.32	68.32	68.32	163.85	163.85	1	0	0	0	0	0	89.1	163.85	-70268.7
2825+50.0	1	37.72	69.08	69.08	69.08	174.61	174.61	1	0	0	0	0	0	99.48	174.61	-70374.2
2826+00.0	1	35.26	67.58	67.58	67.58	177.42	177.42	1	0	0	0	0	0	92.13	177.42	-70484.1
2826+50.0	1	38.16	67.99	67.99	67.99	172.41	172.41	1	0	0	0	0	0	94.07	172.41	-70588.5
2827+00.0	1	35.28	68	68	68	173.74	173.74	1	0	0	0	0	0	93.56	173.73	-70694.2
2827+50.0	1	33.13	63.35	63.35	63.35	168.34	168.34	1	0	0	0	0	0	88.25	168.34	-70799.2
2828+00.0	1	44.88	72.23	72.23	72.23	137.3	137.3	1	0	0	0	0	0	60.04	137.31	-70864.3
2828+50.0	1	115.64	148.63	148.63	148.63	55.6	55.6	1	0	0	0	0	0	0	55.59	-70771.2
2829+00.0	1	36.01	140.41	140.41	140.41	63.71	63.71	1	0	0	0	0	0	68.81	63.71	-70694.5
2829+50.0	1	33.58	64.43	64.43	64.43	144.27	144.27	1	0	0	0	0	0	87	144.27	-70774.4
2830+00.0	1	35.64	64.09	64.09	64.09	164.53	164.53	1	0	0	0	0	0	90.68	164.52	-70874.8
2830+50.0	1	36.31	66.62	66.62	66.62	161.48	161.48	1	0	0	0	0	0	83.72	161.48	-70969.7
2831+00.0	1	37.23	68.09	68.09	68.09	163.7	163.7	1	0	0	0	0	0	93.08	163.70	-71065.3
2831+50.0	1	37.5	69.2	69.2	69.2	171.15	171.15	1	0	0	0	0	0	91.76	171.15	-71167.2
2832+00.0	1	33.6	65.84	65.84	65.84	170.32	170.32	1	0	0	0	0	0	92.19	170.32	-71271.7
2832+50.0	1	33.34	61.98	61.98	61.98	168.66	168.66	1	0	0	0	0	0	89.97	168.67	-71378.4
2833+00.0	1	32.64	61.1	61.1	61.1	163.73	163.73	1	0	0	0	0	0	86.86	163.73	-71481
2833+50.0	1	34.18	61.87	61.87	61.87	159.47	159.47	1	0	0	0	0	0	85.37	159.47	-71578.6
2834+00.0	1	37.17	66.06	66.06	66.06	149.09	149.09	1	0	0	0	0	0	75.64	149.08	-71661.7
2834+50.0	1	35.85	67.61	67.61	67.61	148.6	148.6	1	0	0	0	0	0	84.85	148.60	-71742.6
2835+00.0	1	35.67	66.22	66.22	66.22	153.41	153.41	1	0	0	0	0	0	80.83	153.41	-71829.8
2835+50.0	1	35.92	66.28	66.28	66.28	140.78	140.78	1	0	0	0	0	0	71.21	140.78	-71904.3
2836+00.0	1	37.13	67.64	67.64	67.64	141.77	141.77	1	0	0	0	0	0	81.9	141.77	-71978.5
2836+50.0	1	34.97	66.76	66.76	66.76	150.93	150.93	1	0	0	0	0	0	81.1	150.93	-72062.6
2837+00.0	1	33.76	63.64	63.64	63.64	147.53	147.53	1	0	0	0	0	0	78.23	147.53	-72146.5
2837+50.0	1	33.75	62.51	62.51	62.51	150.56	150.56	1	0	0	0	0	0	84.38	150.56	-72234.6
2838+00.0	1	37.85	66.3	66.3	66.3	157.07	157.07	1	0	0	0	0	0	85.26	157.07	-72325.3
2838+50.0	1	34.1	66.62	66.62	66.62	160.82	160.82	1	0	0	0	0	0	88.42	160.81	-72419.5
2839+00.0	1	35.17	64.14	64.14	64.14	161.39	161.39	1	0	0	0	0	0	85.88	161.39	-72516.8
2839+50.0	1	35.71	65.64	65.64	65.64	162.06	162.06	1	0	0	0	0	0	89.15	162.06	-72613.2



COMPUTATION SHEET

Project No.

11523S

Subject I-10 Earley Rd. - JCT I-8
Tracs No. H7984 01C
Final Submittal

Made by D. Lopez
Date October 5, 2017
Checked
Date

ITEM NO.	Ramps	Volumes	DESCRIPTION	Earthwork	UNIT	Cu.Yd.
		Fill	Cut	OverEx	Fill+OvEx	MASS
JK Ramp B		3,234.71	1,464.34	0.00	3,234.71	-1,770.37
JK Ramp C		62.92	1,337.72	0.00	62.92	1,274.80
JK Ramp C		2,255.77	95.75	0.00	2,255.77	-2,160.02
	Totals	5,553.40	2,897.81	0.00	5,553.40	-2,655.59

Cross Sections File: T:\I-10 Earley_I-8\Working\Deanna\I-10 2D Earthwork Cross Sections_CUT.dgn

End Area Volume Report

Report Created: 10/5/2017
Time: 9:37am

Cross Sectio 7984 JK Blvd Ramp "B"
Alignment N 7984 JK Blvd Ramp "B"

Input Grid F: 1 Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Station	Station Quantities				Added Quantities				Mass
	Factor	Area	Volume	Adjusted Volume	Factor	Adjusted Volume	Adjusted Volume	Adjusted Ordinate	
13+00.00	1	27.97	0	0	1	0	0	0	0
13+50.00	1	26.49	50.43	50.43	1	6.65	6.15	1	0
14+00.00	1	21.96	44.86	44.86	1	0.77	6.86	1	0
14+50.00	1	10.18	29.76	29.76	1	15.74	15.29	1	0
15+00.00	1	3.5	12.67	12.67	1	7.06	21.11	1	0
15+50.00	1	0	3.24	3.24	1	36.39	40.23	1	0
15+71.50									0
16+00.00	1	0	0	0	1	92.56	119.4	1	0
16+50.00	1	0	0	0	1	233.14	301.57	1	0
17+00.00	1	0	0	0	1	384.64	572.02	1	0
17+50.00	1	0	0	0	1	365.71	694.77	1	0
18+00.00	1	284.53	263.46	263.46	1	310.69	626.3	1	0
18+50.00	1	414.37	647.14	647.14	1	296.4	562.12	1	0
18+75.11	1	473.33	412.78	412.78	1	281.85	268.88	1	0
Grand Total:			1464.34	1464.34		3234.71	3234.71	0	0
Length of x-sections		575.11	LF						

End Area Volume Report

Report Created: 7/28/2017
Time: 1:34pm

Cross Section Set Name: 7984 JK Blvd Ramp "C"
Alignment Name: 7984 JK Blvd Ramp "C"
Input Grid Factor: 1 **Note:**

All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Baseline Station	Station Quantities				Added Quantities				Mass Ordinate	
	Factor	Area	Volume	Adjusted Volume	Factor	Area	Volume	Adjusted Volume		
13+00.00	1	0	0	0	1	0	0	0	0	0
13+50.00	1	0	0	0	1	0	0	0	0	0
14+00.00	1	87.2	80.8	13.5	1	0	0	0	0	80.8
14+50.00	1	63.8	139.9	23.3	1	0.2	0.2	0.2	0	220.4
15+00.00	1	69	122.9	20.5	1	0.2	0.4	0.4	0	343
15+50.00	1	79.5	137.5	22.9	1	1.2	1.2	1.2	0	479.3
16+00.00	1	64.4	133.3	22.2	1	1.1	2.1	2.1	0	610.4
16+50.00	1	43.2	99.7	99.7	1	0.4	1.5	1.5	0	708.6
17+00.00	1	38.2	75.4	75.4	1	0	0.4	0.4	0	783.6
17+50.00	1	39.1	71.6	71.6	1	0	0	0	0	855.2
18+00.00	1	65.5	96.9	48.45	1	0	0	0	0	952.1
18+50.00	1	67.1	122.8	61.4	1	0	0	0	0	1074.8
19+00.00	1	47.7	106.3	53.15	1	0	0	0	0	1181.1
19+50.00	1	26.5	68.7	34.35	1	1.7	1.6	1.6	0	1248.3
20+00.00	1	29.3	51.7	25.85	1	29.1	28.5	4.8	0	1271.4
20+50.00	1	0	27.1	27.1	1	0	26.9	4.5	0	1271.6
21+00.00	1	0	0	0	1	0	0	0	0	1271.6

Grand Total: 1334.4

62.8

0

End Area Volume Report

Report Created: 10/5/2017
Time: 9:52am

Cross Sectio 7984 JK Blvd Ramp "C"
Alignment N7984 JK Blvd Ramp "C"

Input Grid F: 1 Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Station	Station Quantities				Added Quantities				Mass	
	Factor	Area (SF)	Volume (C)	Adjusted Volume	Factor	Area	Volume	Adjusted Volume		Adjusted Ordinate
13+94.34	1	85.82	0	0	1	0	0	0	0	0
14+00.00	1	87.24	18.14	18.14	1	0	0	0	0	18.14
14+50.00	1	63.81	139.86	139.86	1	0.22	0.21	0.21	0	157.79
15+00.00	1	68.96	122.94	122.94	1	0.16	0.35	0.35	0	280.38
15+50.00	1	79.5	137.46	137.46	1	1.16	1.22	1.22	0	416.62
16+00.00	1	64.43	133.27	133.27	1	1.12	2.12	2.12	0	547.77
16+50.00	1	43.22	99.68	99.68	1	0.44	1.45	1.45	0	646
17+00.00	1	38.18	75.38	75.38	1	0	0.41	0.41	0	720.97
17+50.00	1	39.13	71.59	71.59	1	0	0	0	0	792.56
18+00.00	1	65.48	96.86	96.86	1	0	0	0	0	889.42
18+50.00	1	67.12	122.78	122.78	1	0	0	0	0	1012.2
19+00.00	1	47.66	106.28	106.28	1	0	0	0	0	1118.48
19+50.00	1	26.54	68.7	68.7	1	1.7	1.57	1.57	0	1185.61
20+00.00	1	29.27	51.67	51.67	1	29.08	28.5	28.5	0	1208.78
20+50.00	1	3.46	30.3	30.3	1	0.03	26.95	26.95	0	1204.76
21+00.00	1	4.58	7.45	7.45	1	0	0.03	0.03	0	1204.735
21+50.00	1	4.26	8.19	8.19	1	0.02	0.02	0.02	0	1204.72
22+00.00	1	4.54	8.14	8.14	1	0.04	0.06	0.06	0	1204.652
22+50.00	1	6.98	10.66	10.66	1	0	0.04	0.04	0	1206.901
23+00.00	1	6.87	12.83	12.83	1	0	0	0	0	1211.398
23+50.00	1	6.48	12.36	12.36	1	0	0	0	0	1215.425
24+00.00	1	6.41	11.94	11.94	1	0	0	0	0	1219.031
24+50.00	1	6.34	11.81	11.81	1	0	0	0	0	1230.841
25+00.00	1	7.35	12.68	12.68	1	0	0	0	0	1243.521
25+50.00	1	6.46	12.79	12.79	1	0	0	0	0	1256.311
26+00.00	1	6.04	11.57	11.57	1	0	0	0	0	1267.881
26+29.27	1	6.72	6.92	6.92	1	0	0	0	0	1274.801

Adjust for milling

Grand Total:	1402.24	1402.24	1402.24	62.92	62.92	0	-64.5185	0	0
Length of x-sections	1234.93	LF					1337.721		

Pipe Quantity Adjustments

CMP Sta	Ref. #	Size D [in]	OD [in]	Length [ft]	No. of Pipes N	Net Length L [ft]	CADD Area [sq ft]	Ave Trench Depth H [ft]	CL to CL Pipe Spacing S [ft]	Trench Width W [ft]	Pipe Excavation PX [CY]	Pipe Bedding Volume Bed [CY]	Pipe Backfill PB [CY]	Bedding + Backfill + Pipe Volume Excavation PB [CY]	Pipe Culvert Volume CV [CY]	Culvert Adjustment CA [CY]	Trench Backfill Volume TB [CY]	Drainage Excavation DX [CY]
2719+67	1	24	30	230	1	234		0.0	0.00	4.7	0	48	68	143	27	-143	0	0
2719+67	2	28x20	35	24	1	29		0.0	0.00	5.1	0	7	9	21	5	-21	0	0
2733+20	3	24	30	89	1	93		2.0	0.00	4.7	32	19	27	57	11	-25	0	0
11+74 JK D	4	36	44	107	1	113		0.0	0.00	5.9	0	34	47	111	30	-111	0	0
2813+69	5	24	30	249	1	253		0.0	0.00	4.1	0	43	63	135	29	-135	0	0
2849+00	7	24	30	104	1	108		0.2	0.00	4.1	3	18	27	58	13	-55	0	0
16+80 JK C	8	24	30	54	1	58		1.0	0.00	4.1	9	10	14	31	7	-22	0	0
2731+75	101	24	30	225	1	229		1.5	0.00	5.1	65	51	73	151	27	-86	0	0
2735+00	102	24	30	73	1	77		2.0	0.00	4.7	27	16	22	47	9	-20	0	0
2737+90	103	24	30	288	1	292		0.0	0.00	5.1	0	65	93	192	34	-192	0	0
2742+20	104	24	30	227	1	231		0.0	0.00	5.1	0	52	74	152	27	0	0	0
2787+87	105	24	30	67	1	71		0.0	0.00	4.7	0	14	21	43	8	0	0	0
2809+38	106	24	30	45	1	49		0.0	0.00	4.7	0	10	14	30	6	-30	0	0
2826+60	107	24	30	104	1	108		1.3	0.00	4.7	24	22	31	66	13	-42	0	0
2824+50	108	24	30	206	1	210		0.0	0.00	4.7	0	43	61	128	24	-128	0	0
2828+85	109	24	30	110	1	114		1.5	0.00	4.7	30	23	33	70	13	-40	0	0
2832+10	110	24	30	322	1	326		0.0	0.00	4.7	0	66	95	199	38	-199	0	0
2835+20	111	24	30	312	1	316		0.0	0.00	4.7	0	64	92	193	37	-193	0	0
2838+45	112	24	30	317	1	321		0.0	0.00	4.7	0	65	93	196	37	-196	0	0
2841+65	113	24	30	317	1	321		0.0	0.00	5.1	0	72	102	212	37	-212	0	0
2844+85	114	24	30	318	1	322		0.0	0.00	5.1	0	72	103	212	37	-212	0	0
2789+92	115	24	30	91	1	95		2.7	0.00	4.7	45	19	28	58	11	-13	0	0
2808+13	116	24	30	55	1	59		0.0	0.00	4.7	0	12	17	36	7	-36	0	0
2788+30	117	24	30	40	1	44		0.0	0.00	4.7	0	9	13	27	5	-27	0	0
2808+90	118	24	30	45	1	49		0.0	0.00	4.7	0	10	14	30	6	-30	0	0
2790+30	119	24	30	35	1	39		0.0	0.00	4.7	0	8	11	24	5	-24	0	0
2807+60	120	24	30	50	1	54		0.0	0.00	4.7	0	11	16	33	6	-33	0	0
2732+85	122	24	30	114	1	118		3.0	0.00	4.7	62	24	34	72	14	-10	0	0
2826+60	123	18	23	4	1	7		1.3	0.00	4.1	1	1	2	3	0	-2	0	0
2824+50	124	18	23	4	1	7		0.0	0.00	4.1	0	1	2	3	0	-3	0	0
2828+85	125	18	23	4	1	7		1.5	0.00	4.1	2	1	2	3	0	-1	0	0
2832+10	126	18	23	4	1	7		0.0	0.00	4.1	0	1	2	3	0	-3	0	0
2835+20	127	18	23	4	1	7		0.0	0.00	4.1	0	1	2	3	0	-3	0	0

CMP Sta	Ref. #	Size D [in]	OD [in]	Length [ft]	No. of Pipes N	Net Length L [ft]	CADD Area [sq ft]	Ave Trench Depth H [ft]	CL to CL Pipe Spacing S [ft]	Trench Width W [ft]	Pipe Excavation PX [CY]	Pipe Bedding Volume Bed [CY]	Pipe Backfill PB [CY]	Bedding + Backfill + Pipe Volume Excavation PD [CY]	Pipe Culvert Volume CV [CY]	Culvert Adjustment CA [CY]	Trench Backfill Volume TB [CY]	Drainage Excavation DX [CY]
2838+45	128	18	23	4	1	7		0.0	0.00	4.1	0	1	2	3	0	-3	0	0
2841+65	129	18	23	4	1	7		0.0	0.00	4.1	0	1	2	3	0	-3	0	0
2844+85	130	18	23	4	1	7		0.0	0.00	4.1	0	1	2	3	0	-3	0	0
2746+40	PE1	24	30	10	1	14		0.0	0.00	4.7	0	3	4	9	2	-9	0	0
2759+78	PE2	24	30	10	1	14		0.0	0.00	4.7	0	3	4	9	2	-9	0	0
31+60 JK	PE4	24	30	10	2	14		0.0	3.00	7.7	0	4	6	14	3	-14	0	0
13+78 JK	PE5	36	44	10	1	16		0.0	0.00	5.9	0	5	7	16	4	-16	0	0
51+15 SL G	PE6	18	23	10	1	13		0.0	0.00	3.4	0	2	2	5	1	-5	0	0
Totals:											300	934	1331	2803	537	-2307	0	0