

SDDOT Volumes Report

Report Created: 2/11/2021

Time: 5:18pm

Cross Section Set Name: Mainline

Alignment Name: Mainline

Input Grid Factor: 1.00000
0

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

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
856+22.77							0.00
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	0.13	0.00	1.25	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
856+25.00							-187.60
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	1.80	0.08	1.25	0.10	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		150.00	1.25	187.50	Yes	
856+50.00							-353.55
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	133.38	62.58	1.25	78.23	Yes	
	Added Cut:		350.88	1.00	350.88	Yes	
	Added Fill:		350.88	1.25	438.59	Yes	
856+75.00							-675.53
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	271.43	187.41	1.25	234.26	Yes	
	Added Cut:		350.88	1.00	350.88	Yes	
	Added Fill:		350.88	1.25	438.59	Yes	
857+00.00							-1146.98
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	391.67	306.99	1.25	383.74	Yes	
	Added Cut:		350.88	1.00	350.88	Yes	
	Added Fill:		350.88	1.25	438.59	Yes	
857+25.00							-1925.95
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	802.81	553.00	1.25	691.25	Yes	
	Added Cut:		350.88	1.00	350.88	Yes	
	Added Fill:		350.88	1.25	438.59	Yes	

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
857+50.00							-3282.36
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	1389.49	1014.95	1.25	1268.69	Yes	
	Added Cut:		350.88	1.00	350.88	Yes	
	Added Fill:		350.88	1.25	438.59	Yes	
857+75.00							-5137.35
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	1664.36	1413.82	1.25	1767.27	Yes	
	Added Cut:		350.88	1.00	350.88	Yes	
	Added Fill:		350.88	1.25	438.59	Yes	
<hr/>							
Balance Station							
857+92.34							0.00
<hr/>							
858+00.00							2270.68
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	1390.57	1414.32	1.25	1767.90	Yes	
	Added Cut:		9614.53	1.00	9614.53	Yes	
	Added Fill:		350.88	1.25	438.59	Yes	
858+25.00							860.24
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	895.10	1058.18	1.25	1322.72	Yes	
	Added Cut:		350.88	1.00	350.88	Yes	
	Added Fill:		350.88	1.25	438.59	Yes	
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Balance Station							
858+50.00							0.00
<hr/>							
858+50.00							-0.00
	Normal Cut:	34.31	15.88	1.00	15.88	Yes	
	Normal Fill:	618.85	700.90	1.25	876.13	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
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Totals:							
	Normal Cut:		15.88		15.88		
	Normal Fill:		6712.23		8390.29		

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
Added Cut:			12070.65		12070.65		
Added Fill:			2957.00		3696.25		

SDDOT Volumes Report

Report Created: 2/9/2021

Time: 3:31pm

Cross Section Set Name: Mainline

Alignment Name: Mainline

Input Grid Factor: 1.00000
0

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

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
861+50.00							0.00
Normal Cut:		1.13	0.00	1.00	0.00	Yes	
Normal Fill:		1256.22	0.00	1.25	0.00	Yes	
Added Cut:			0.00	1.00	0.00	Yes	
Added Fill:			0.00	1.00	0.00	Yes	
861+75.00							-1756.41
Normal Cut:		12.63	6.37	1.00	6.37	Yes	
Normal Fill:		1075.33	1079.42	1.25	1349.27	Yes	
Added Cut:			1654.00	1.00	1654.00	Yes	
Added Fill:			1654.00	1.25	2067.50	Yes	
Balance Station							
861+92.54							0.00
862+00.00							747.20
Normal Cut:		44.14	26.28	1.00	26.28	Yes	
Normal Fill:		1199.90	1053.34	1.25	1316.68	Yes	
Added Cut:			3794.00	1.00	3794.00	Yes	
Added Fill:			0.00	1.00	0.00	Yes	
862+25.00							0.27

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
Normal Cut:		227.63	125.82	1.00	125.82	Yes	
Normal Fill:		239.09	666.20	1.25	832.75	Yes	
Added Cut:			0.00	1.00	0.00	Yes	
Added Fill:			32.00	1.25	40.00	Yes	

Totals:

Normal Cut:	158.47	158.47
Normal Fill:	2798.96	3498.70
Added Cut:	5448.00	5448.00
Added Fill:	1686.00	2107.50

SDDOT Volumes Report

Report Created: 2/11/2021
Time: 5:28pm

Cross Section Set Name: Mainline

Alignment Name: Mainline

Input Grid Factor: 1.00000
0

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Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
858+50.00							0.00
Normal Cut:		32.09	0.00	1.00	0.00	Yes	
Normal Fill:		30.25	0.00	1.25	0.00	Yes	
Added Cut:			0.00	1.00	0.00	Yes	
Added Fill:			0.00	1.00	0.00	Yes	
858+75.00							51482.84
Normal Cut:		138.70	79.07	1.00	79.07	Yes	
Normal Fill:		830.28	398.39	1.25	497.99	Yes	
Added Cut:			51901.76	1.00	51901.76	Yes	
Added Fill:			0.00	1.00	0.00	Yes	
859+00.00							50400.06
Normal Cut:		139.28	128.70	1.00	128.70	Yes	

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
	Normal Fill:	957.74	827.79	1.25	1034.74	Yes	
	Added Cut:		707.00	1.00	707.00	Yes	
	Added Fill:		707.00	1.25	883.75	Yes	
859+25.00							49024.01
	Normal Cut:	85.69	104.15	1.00	104.15	Yes	
	Normal Fill:	1600.04	1184.16	1.25	1480.20	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
859+50.00							46810.02
	Normal Cut:	30.84	53.95	1.00	53.95	Yes	
	Normal Fill:	2318.96	1814.35	1.25	2267.94	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
859+75.00							43570.25
	Normal Cut:	20.05	23.56	1.00	23.56	Yes	
	Normal Fill:	3320.08	2610.67	1.25	3263.33	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
860+00.00							29122.13
	Normal Cut:	14.82	16.15	1.00	16.15	Yes	
	Normal Fill:	4750.13	3736.21	1.25	4670.27	Yes	
	Added Cut:		39176.00	1.00	39176.00	Yes	
	Added Fill:		39176.00	1.25	48970.00	Yes	
860+25.00							22951.00
	Normal Cut:	19.59	15.93	1.00	15.93	Yes	
	Normal Fill:	5941.12	4949.65	1.25	6187.07	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
860+50.00							15495.83
	Normal Cut:	60.07	36.88	1.00	36.88	Yes	

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
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Normal Fill:	6821.54	5908.64	1.25	7385.80	Yes	
Added Cut:		0.00	1.00	0.00	Yes	
Added Fill:		85.00	1.25	106.25	Yes	

860+75.00

8498.62

Normal Cut:	25.40	39.57	1.00	39.57	Yes	
Normal Fill:	5338.02	5629.43	1.25	7036.78	Yes	
Added Cut:		0.00	1.00	0.00	Yes	
Added Fill:		0.00	1.00	0.00	Yes	

861+00.00

3227.04

Normal Cut:	45.28	32.72	1.00	32.72	Yes	
Normal Fill:	3516.76	4099.44	1.25	5124.30	Yes	
Added Cut:		-180.00	1.00	-180.00	Yes	
Added Fill:		0.00	1.00	0.00	Yes	

861+25.00

0.00

Normal Cut:	93.73	64.36	1.00	64.36	Yes	
Normal Fill:	2170.77	2633.12	1.25	3291.40	Yes	
Added Cut:		0.00	1.00	0.00	Yes	
Added Fill:		0.00	1.00	0.00	Yes	

Totals:

Normal Cut:	595.04	595.04
Normal Fill:	33791.84	42239.80
Added Cut:	91604.76	91604.76
Added Fill:	39968.00	49960.00

Project Totals:

Normal Cut $595.04 + 15.88 + 158.5 = 769.42$
 Normal Fill $33,791.84 + 6,712.23 + 2,799.0 = 43,303.17$
 Added Cut $91,604.76 + 12,070.65 + 5,448.0 = 109,123.41 + 125* = 109,248.4$
 Added Fill $39,968.0 + 2,957.0 + 1,686.0 = 44,611.0 + 100* = 44,711$
 • * added 100 cu yds for ditch block
 Borrow $= 51,901.76 + 9,263.65 + 3,794 + 125 = 65,084.4$

Out of Balance Haul: $51901.76 \times 750' +$
 $3,794 \times 500' +$
 $9,364 \times 1000' = 501,900 \text{ CuYd Sta}$