

US Highway 18

US Highway 18

Earthwork Quantities Report

Report Created: 8/1/2024
Time: 2:50pm

Cross Section Set Name: East-West - Volumes

Alignment Name: Mainline - US18

Input Grid Factor: 1.000000 All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Baseline Station	Cut Shrink/Swell Factor	Station Cut Area	Station Cut Volume	Adjusted Station Cut	Fill		Adjusted Station Fill	----- Added Quantities -----				Mass Ordinate	
					Shrink/Swell Factor	Station Fill Area		Station Fill Volume	Cut	Adjusted Cut	Fill		Adjusted Fill
99+00.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
		Moisture & Density Control (unclassified):					0.00						
		Moisture & Density Control:		0.00			0.00						
		Station Total:		0.00			0.00		0.00		0.00		0.00
99+50.00	1.00	27.54	25.50	25.50	1.20	0.00	0.00	0.00	-126.23	-126.23	0.00	0.00	
		Moisture & Density Control (unclassified):					14.44						
		Moisture & Density Control:		72.22			72.22						
		Station Total:		97.72			86.67		-126.23		0.00		-115.17
100+00.00	1.00	0.00	25.50	25.50	1.20	0.00	0.00	0.00	-126.23	-126.23	0.00	0.00	
		Moisture & Density Control (unclassified):					14.44						
		Moisture & Density Control:		72.22			72.22						
		Station Total:		97.72			86.67		-126.23		0.00		-230.34
100+50.00	1.00	85.61	79.27	79.27	1.20	0.00	0.00	0.00	-126.23	-126.23	0.00	0.00	
		Moisture & Density Control (unclassified):					14.44						
		Moisture & Density Control:		72.22			72.22						
		Station Total:		151.49			86.67		-126.23		0.00		-291.74
101+00.00	1.00	49.97	125.53	125.53	1.20	0.01	0.01	0.01	-126.23	-126.23	0.00	0.00	
		Moisture & Density Control (unclassified):					30.99						
		Moisture & Density Control:		154.94			154.94						
		Station Total:		280.48			185.94		-126.23		0.00		-323.44
101+50.00	1.00	73.42	114.24	114.24	1.20	0.11	0.11	0.13	-126.23	-126.23	0.00	0.00	
		Moisture & Density Control (unclassified):					40.37						
		Moisture & Density Control:		201.87			201.87						
		Station Total:		316.12			242.38		-126.23		0.00		-375.92
102+00.00	1.00	92.28	153.42	153.42	1.20	0.00	0.10	0.12	-126.23	-126.23	0.00	0.00	
		Moisture & Density Control (unclassified):					47.66						
		Moisture & Density Control:		238.30			238.30						
		Station Total:		391.72			286.08		-126.23		0.00		-396.51
102+38.00	1.00	100.40	135.59	135.59	1.20	3.74	2.63	3.16	-92.79	-92.79	3.14	3.77	
		Moisture & Density Control (unclassified):					36.22						
		Moisture & Density Control:		181.11			181.11						
		Station Total:		316.70			220.48		-92.79		3.77		-396.85
102+50.00	1.00	99.61	44.45	44.45	1.20	3.91	1.70	2.04	-30.29	-30.29	0.00	0.00	
		Moisture & Density Control (unclassified):					11.44						
		Moisture & Density Control:		57.19			57.19						
		Station Total:		101.64			70.67		-30.29		0.00		-396.18
103+00.00	1.00	91.40	176.86	176.86	1.20	1.05	4.60	5.52	-126.23	-126.23	0.00	0.00	
		Moisture & Density Control (unclassified):					46.11						
		Moisture & Density Control:		230.54			230.54						
		Station Total:		407.40			282.17		-126.23		0.00		-397.17
103+42.00	1.00	80.51	133.71	133.71	1.20	4.74	4.51	5.41	-99.42	-99.42	6.61	7.93	

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Baseline Station	Cut		Station Cut Volume	Adjusted Station Cut	Fill		Station Fill Volume	Adjusted Station Fill	----- Added Quantities -----				Mass Ordinate	
	Shrink/Swell Factor	Station Area			Shrink/Swell Factor	Station Area			Cut	Adjusted Cut	Fill	Adjusted Fill		
								35.97						
				179.83				179.83						
				313.54				221.20		-99.42		7.93		-412.18
103+50.00	1.00	78.84	23.61	23.61	1.20	4.68	1.40	1.68	-20.20	-20.20	0.00	0.00		
								6.52						
				32.59				32.59						
				56.20				40.79		-20.20		0.00		-416.96
104+00.00	1.00	67.58	135.57	135.57	1.20	3.46	7.55	9.06	-126.23	-126.23	0.00	0.00		
								38.85						
				194.25				194.25						
				329.81				242.15		-126.23		0.00		-455.53
104+50.00	1.00	65.03	122.78	122.78	1.20	3.01	6.00	7.20	-126.23	-126.23	0.00	0.00		
								37.29						
				186.44				186.44						
				309.23				230.93		-126.23		0.00		-503.46
104+58.00	1.00	63.79	19.08	19.08	1.20	2.73	0.85	1.02	-20.20	-20.20	0.00	0.00		
								5.97						
				29.83				29.83						
				48.92				36.82		-20.20		0.00		-511.56
104+80.00	1.00	60.97	50.83	50.83	1.20	5.20	3.23	3.88	-52.72	-52.72	2.82	3.38		
								16.41						
				82.04				82.04						
				132.86				102.32		-52.72		3.38		-537.12
105+00.00	1.00	59.30	44.54	44.54	1.20	2.48	2.84	3.41	-50.49	-50.49	0.00	0.00		
								14.92						
				74.58				74.58						
				119.12				92.91		-50.49		0.00		-561.40
105+50.00	1.00	49.67	100.90	100.90	1.20	5.30	7.20	8.64	-126.23	-126.23	0.00	0.00		
								37.29						
				186.44				186.44						
				287.34				232.38		-126.23		0.00		-632.66
106+00.00	1.00	45.00	87.66	87.66	1.20	17.59	21.20	25.44	-126.23	-126.23	0.00	0.00		
								37.29						
				186.44				186.44						
				274.10				249.17		-126.23		0.00		-733.95
106+29.00	1.00	44.19	47.90	47.90	1.20	0.00	9.45	11.34	200.83	200.83	260.43	312.52		
								19.19						
				95.96				95.96						
				143.86				126.49		200.83		312.52		-828.27
106+50.00	1.00	54.05	38.21	38.21	1.20	10.85	4.22	5.06	-53.02	-53.02	0.00	0.00		
								13.90						
				69.49				69.49						
				107.69				88.45		-53.02		0.00		-862.04
106+95.00	1.00	68.21	101.87	101.87	1.20	0.97	9.82	11.78	-113.60	-113.60	0.00	0.00		
								33.56						
				167.80				167.80						
				269.67				213.14		-113.60		0.00		-919.12
107+00.00	1.00	69.25	12.73	12.73	1.20	1.07	0.19	0.23	-12.62	-12.62	0.00	0.00		

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Baseline Station	Cut Shrink/Swell Factor	Station Cut Area	Station Cut Volume	Adjusted Station Cut	Fill Shrink/Swell Factor	Station Fill Area	Station Fill Volume	Adjusted Station Fill	----- Added Quantities -----				Mass Ordinate	
									Cut	Adjusted Cut	Fill	Adjusted Fill		
								3.73						
				18.64				18.64						
				31.37				22.60	-12.62			0.00		-922.97
107+04.77	1.00	70.08	12.32	12.32	1.20	1.29	0.21	0.25	30.18	30.18	42.23	50.68		
								3.56						
				17.80				17.80						
				30.12				21.61		30.18		50.68		-934.96
107+35.09	1.00	100.60	96.04	96.04	1.20	2.34	2.02	2.42	-29.08	-29.08	47.46	56.95		
								22.61						
				113.05				113.05						
				209.09				138.08		-29.08		56.95		-949.98
107+50.00	1.00	71.13	47.52	47.52	1.20	1.61	1.08	1.29	-37.64	-37.64	0.00	0.00		
								11.12						
				55.60				55.60						
				103.12				68.00		-37.64		0.00		-952.51
108+00.00	1.00	94.63	153.59	153.59	1.20	0.00	1.47	1.76	-126.23	-126.23	0.00	0.00		
								37.29						
				186.44				186.44						
				340.03				225.49		-126.23		0.00		-964.19
108+50.00	1.00	141.52	219.23	219.23	1.20	0.00	0.00	0.00	-126.23	-126.23	0.00	0.00		
								37.29						
				186.44				186.44						
				405.67				223.73		-126.23		0.00		-908.48
108+77.00	1.00	123.56	132.93	132.93	1.20	0.00	0.00	0.00	-65.20	-65.20	2.96	3.55		
								20.14						
				100.68				100.68						
				233.61				120.82		-65.20		3.55		-864.44
109+00.00	1.00	125.26	106.22	106.22	1.20	0.00	0.00	0.00	-58.06	-58.06	0.00	0.00		
								17.15						
				85.76				85.76						
				191.99				102.92		-58.06		0.00		-833.43
109+50.00	1.00	102.28	210.69	210.69	1.20	0.00	0.00	0.00	-126.23	-126.23	0.00	0.00		
								37.29						
				186.44				186.44						
				397.13				223.73		-126.23		0.00		-786.26
109+51.00	1.00	101.77	3.78	3.78	1.20	0.00	0.00	0.00	-2.52	-2.52	0.00	0.00		
								0.75						
				3.73				3.73						
				7.51				4.47		-2.52		0.00		-785.76
110+00.00	1.00	88.57	172.72	172.72	1.20	0.02	0.02	0.02	-123.70	-123.70	0.00	0.00		
								36.54						
				182.72				182.72						
				355.43				219.28		-123.70		0.00		-773.31
110+06.00	1.00	85.61	19.35	19.35	1.20	0.00	0.00	0.00	-15.15	-15.15	0.00	0.00		
								4.47						
				22.37				22.37						
				41.73				26.85		-15.15		0.00		-773.58
110+44.00	1.00	71.16	110.32	110.32	1.20	2.19	1.54	1.85	88.47	88.47	187.99	225.59		

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Baseline Station	Cut		Station Cut Volume	Adjusted Station Cut	Fill		Station Fill Volume	Adjusted Station Fill	----- Added Quantities -----				Mass Ordinate	
	Shrink/Swell Factor	Station Area			Shrink/Swell Factor	Station Area			Cut	Adjusted Cut	Fill	Adjusted Fill		
								26.74						
				133.72				133.72						
				244.04				162.31		88.47		225.59		-828.97
110+50.00	1.00	68.78	15.55	15.55	1.20	0.23	0.27	0.32	-15.15	-15.15	0.00	0.00		
								3.97						
				19.85				19.85						
				35.40				24.15		-15.15		0.00		-832.86
110+70.00	1.00	66.32	50.04	50.04	1.20	20.29	7.60	9.12	-47.84	-47.84	2.65	3.18		
								14.08						
				70.38				70.38						
				120.42				93.57		-47.84		3.18		-857.04
111+00.00	1.00	59.83	70.09	70.09	1.20	56.30	42.55	51.06	-45.01	-45.01	30.73	36.87		
								22.37						
				111.87				111.87						
				181.95				185.30		-45.01		36.87		-942.26
111+49.00	1.00	52.12	101.59	101.59	1.20	71.91	116.34	139.61	-73.51	-73.51	50.19	60.23		
								34.49						
				172.43				172.43						
				274.01				346.52		-73.51		60.23		-1148.51
111+50.00	1.00	52.04	1.93	1.93	1.20	70.86	2.64	3.17	157.20	157.20	189.40	227.29		
								0.66						
				3.31				3.31						
				5.24				7.14		157.20		227.29		-1220.50
112+00.00	1.00	50.38	94.84	94.84	1.20	49.56	111.49	133.79	-75.01	-75.01	51.21	61.45		
								35.19						
				175.94				175.94						
				270.78				344.92		-75.01		61.45		-1431.11
112+50.00	1.00	54.71	97.31	97.31	1.20	85.58	125.12	150.14	-75.01	-75.01	51.21	61.45		
								37.29						
				186.44				186.44						
				283.76				373.88		-75.01		61.45		-1657.70
112+91.00	1.00	61.36	88.13	88.13	1.20	90.19	133.45	160.14	-54.88	-54.88	48.62	58.35		
								30.58						
				152.88				152.88						
				241.01				343.60		-54.88		58.35		-1873.52
113+00.00	1.00	61.99	20.56	20.56	1.20	91.71	30.32	36.38	-13.50	-13.50	9.22	11.06		
								6.71						
				33.56				33.56						
				54.12				76.65		-13.50		11.06		-1920.62
113+50.00	1.00	66.45	118.93	118.93	1.20	48.40	129.73	155.68	-75.01	-75.01	51.21	61.45		
								37.29						
				186.44				186.44						
				305.37				379.41		-75.01		61.45		-2131.13
114+00.00	1.00	67.04	123.60	123.60	1.20	0.53	45.31	54.37	-75.01	-75.01	51.21	61.45		
								35.19						
				175.94				175.94						
				299.55				265.50		-75.01		61.45		-2233.55
114+12.00	1.00	67.95	30.00	30.00	1.20	0.34	0.19	0.23	104.57	104.57	157.30	188.76		

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Baseline Station	Cut		Station Cut Volume	Adjusted Station Cut	Fill		Station Fill Area	Station Fill Volume	Adjusted Station Fill	----- Added Quantities -----				Mass Ordinate
	Shrink/Swell Factor	Station Cut Area			Shrink/Swell Factor	Station Fill Area				Cut	Adjusted Cut	Fill	Adjusted Fill	
									7.94					
				Moisture & Density Control (unclassified):					39.71					
				Moisture & Density Control:	39.71				39.71					
				Station Total:	69.70				47.88	104.57		188.76		-2295.93
114+50.00	1.00	71.87	98.39	98.39	1.20	3.05	2.39	2.87	-95.93	-95.93	0.00	0.00		
				Moisture & Density Control (unclassified):				26.74						
				Moisture & Density Control:	133.72			133.72						
				Station Total:	232.11			163.33		-95.93		0.00		-2323.08
115+00.00	1.00	84.66	144.93	144.93	1.20	0.20	3.01	3.61	-126.23	-126.23	0.00	0.00		
				Moisture & Density Control (unclassified):				37.29						
				Moisture & Density Control:	186.44			186.44						
				Station Total:	331.38			227.35		-126.23		0.00		-2345.28
115+42.00	1.00	94.44	139.30	139.30	1.20	0.09	0.23	0.27	-103.99	-103.99	2.04	2.45		
				Moisture & Density Control (unclassified):				31.32						
				Moisture & Density Control:	156.61			156.61						
				Station Total:	295.92			188.21		-103.99		2.45		-2344.00
115+50.00	1.00	96.66	28.31	28.31	1.20	0.04	0.02	0.02	-20.20	-20.20	0.00	0.00		
				Moisture & Density Control (unclassified):				5.97						
				Moisture & Density Control:	29.83			29.83						
				Station Total:	58.14			35.82		-20.20		0.00		-2341.88
116+00.00	1.00	105.36	187.05	187.05	1.20	0.00	0.04	0.05	-126.23	-126.23	0.00	0.00		
				Moisture & Density Control (unclassified):				37.29						
				Moisture & Density Control:	186.44			186.44						
				Station Total:	373.50			223.78		-126.23		0.00		-2318.39
116+50.00	1.00	109.42	198.87	198.87	1.20	0.00	0.00	0.00	-126.23	-126.23	0.00	0.00		
				Moisture & Density Control (unclassified):				37.29						
				Moisture & Density Control:	186.44			186.44						
				Station Total:	385.31			223.73		-126.23		0.00		-2283.04
117+00.00	1.00	114.22	207.07	207.07	1.20	0.00	0.00	0.00	-126.23	-126.23	0.00	0.00		
				Moisture & Density Control (unclassified):				37.29						
				Moisture & Density Control:	186.44			186.44						
				Station Total:	393.52			223.73		-126.23		0.00		-2239.48
117+50.00	1.00	115.65	212.84	212.84	1.20	0.00	0.00	0.00	-126.23	-126.23	0.00	0.00		
				Moisture & Density Control (unclassified):				37.29						
				Moisture & Density Control:	186.44			186.44						
				Station Total:	399.28			223.73		-126.23		0.00		-2190.16
117+83.00	1.00	73.69	115.71	115.71	1.20	0.00	0.00	0.00	-83.31	-83.31	0.00	0.00		
				Moisture & Density Control (unclassified):				21.84						
				Moisture & Density Control:	109.19			109.19						
				Station Total:	224.90			131.03		-83.31		0.00		-2179.60
118+00.00	1.00	84.72	49.87	49.87	1.20	0.09	0.03	0.03	-42.92	-42.92	0.00	0.00		
				Moisture & Density Control (unclassified):				10.54						
				Moisture & Density Control:	52.68			52.68						
				Station Total:	102.55			63.25		-42.92		0.00		-2183.22
118+50.00	1.00	99.53	170.61	170.61	1.20	2.40	2.31	2.77	-126.23	-126.23	0.00	0.00		
				Moisture & Density Control (unclassified):				35.19						
				Moisture & Density Control:	175.94			175.94						
				Station Total:	346.55			213.90		-126.23		0.00		-2176.80
119+00.00	1.00	106.15	190.44	190.44	1.20	0.94	3.09	3.71	-126.23	-126.23	0.00	0.00		

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Baseline Station	Cut		Station Cut Volume	Adjusted Station Cut	Fill		Station Fill Area	Station Fill Volume	Adjusted Station Fill	----- Added Quantities -----				Mass Ordinate
	Shrink/Swell Factor	Station Area			Shrink/Swell Factor	Station Area				Cut	Adjusted Cut	Fill	Adjusted Fill	
									37.29					
				186.44					186.44					
				376.89					227.44	-126.23		0.00		-2153.58
119+43.00	1.00	104.52	167.85	167.85	1.20	0.64	1.25	1.50	-105.84	-105.84	2.71	3.25		
									32.07					
				160.34					160.34					
				328.19					193.91	-105.84		3.25		-2128.40
119+50.00	1.00	104.61	27.12	27.12	1.20	0.59	0.16	0.19	-17.67	-17.67	0.00	0.00		
									5.22					
				26.10					26.10					
				53.22					31.51	-17.67		0.00		-2124.36
119+71.96	1.00	105.13	85.33	85.33	1.20	0.98	0.64	0.76	-48.96	-48.96	6.48	7.78		
									16.38					
				81.89					81.89					
				167.23					99.03	-48.96		7.78		-2112.90
120+00.00	1.00	110.73	112.12	112.12	1.20	0.04	0.53	0.63	-70.78	-70.78	0.00	0.00		
									20.91					
				104.55					104.55					
				216.68					126.10	-70.78		0.00		-2093.11
120+50.00	1.00	108.74	203.28	203.28	1.20	0.01	0.05	0.06	-126.23	-126.23	0.00	0.00		
									37.29					
				186.44					186.44					
				389.72					223.79	-126.23		0.00		-2053.41
121+00.00	1.00	102.14	195.30	195.30	1.20	0.00	0.01	0.01	-126.23	-126.23	0.00	0.00		
									37.29					
				186.44					186.44					
				381.74					223.74	-126.23		0.00		-2021.63
121+50.00	1.00	97.61	184.99	184.99	1.20	0.95	0.87	1.04	-126.23	-126.23	0.00	0.00		
									37.29					
				186.44					186.44					
				371.44					224.78	-126.23		0.00		-2001.19
121+72.00	1.00	95.80	78.84	78.84	1.20	0.00	0.38	0.46	39.99	39.99	88.42	106.10		
									15.49					
				77.44					77.44					
				156.28					93.39	39.99		106.10		-2004.41
122+00.00	1.00	103.93	103.62	103.62	1.20	1.38	0.71	0.85	-70.69	-70.69	0.00	0.00		
									19.71					
				98.56					98.56					
				202.18					119.13	-70.69		0.00		-1992.05
122+44.58	1.00	102.18	170.18	170.18	1.20	72.66	60.33	72.39	-112.53	-112.53	0.00	0.00		
									33.24					
				166.22					166.22					
				336.40					271.85	-112.53		0.00		-2040.03
122+50.00	1.00	102.03	20.52	20.52	1.20	68.63	14.01	16.81	-13.70	-13.70	0.00	0.00		
									4.05					
				20.23					20.23					
				40.75					41.08	-13.70		0.00		-2054.06
123+00.00	1.00	102.60	189.53	189.53	1.20	67.69	124.55	149.47	-126.23	-126.23	0.00	0.00		

US Highway 18

Baseline Station	Cut		Station Cut Volume	Adjusted Station Cut	Fill		Station Fill Area	Station Fill Volume	Adjusted Station Fill	----- Added Quantities -----				Mass Ordinate
	Shrink/Swell Factor	Station Area			Shrink/Swell Factor	Station Area				Cut	Adjusted Cut	Fill	Adjusted Fill	
									37.29					
				186.44					186.44					
				375.97					373.20	-126.23		0.00		-2177.51
123+50.00	1.00	104.51	191.83	191.83	1.20	62.04	118.54	142.25	-126.23	-126.23	0.00	0.00		
									37.29					
				186.44					186.44					
				378.28					365.98	-126.23		0.00		-2291.45
124+00.00	1.00	105.97	194.97	194.97	1.20	43.09	96.10	115.32	-126.23	-126.23	0.00	0.00		
									37.29					
				186.44					186.44					
				381.41					339.06	-126.23		0.00		-2375.32
124+50.00	1.00	98.59	189.49	189.49	1.20	32.99	69.59	83.51	-126.23	-126.23	0.00	0.00		
									37.29					
				186.44					186.44					
				375.93					307.24	-126.23		0.00		-2432.86
125+00.00	1.00	91.67	176.23	176.23	1.20	18.28	47.03	56.44	-126.23	-126.23	0.00	0.00		
									37.29					
				186.44					186.44					
				362.68					280.17	-126.23		0.00		-2476.58
125+14.00	1.00	89.77	47.06	47.06	1.20	28.69	12.17	14.60	-27.91	-27.91	7.43	8.92		
									10.44					
				52.20					52.20					
				99.26					77.25	-27.91		8.92		-2491.39
125+50.00	1.00	72.23	108.03	108.03	1.20	0.00	19.16	22.99	75.30	75.30	338.26	379.95		
									23.82					
				119.12					119.12					
				227.15					165.94	75.30		379.95		-2734.84
125+66.00	1.00	71.45	42.58	42.58	1.20	0.00	0.00	0.00	144.54	144.54	0.00	0.00		
									9.24					
				46.22					46.22					
				88.80					55.47	144.54		0.00		-2556.96
126+00.00	1.00	93.13	103.69	103.69	1.20	8.80	5.50	6.59	-85.83	-85.83	0.00	0.00		
									22.50					
				112.50					112.50					
				216.19					141.60	-85.83		0.00		-2568.21
126+50.00	1.00	79.51	159.97	159.97	1.20	33.46	38.94	46.72	-126.23	-126.23	0.00	0.00		
									37.29					
				186.44					186.44					
				346.41					270.46	-126.23		0.00		-2618.48
127+00.00	1.00	76.41	144.44	144.44	1.20	54.41	81.21	97.45	-126.23	-126.23	0.00	0.00		
									37.29					
				186.44					186.44					
				330.89					321.19	-126.23		0.00		-2735.00
127+49.67	1.00	77.38	141.53	141.53	1.20	58.28	103.57	124.29	-62.50	-62.50	62.90	75.48		
									37.05					
				185.23					185.23					
				326.76					346.56	-62.50		75.48		-2892.79
127+50.00	1.00	77.39	0.94	0.94	1.20	58.30	0.70	0.84	-0.82	-0.82	0.00	0.00		

US Highway 18

Baseline Station	Cut		Station Cut Volume	Adjusted Station Cut	Fill		Station Fill Area	Station Fill Volume	Adjusted Station Fill	----- Added Quantities -----				Mass Ordinate
	Shrink/Swell Factor	Station Area			Shrink/Swell Factor	Station Area				Cut	Adjusted Cut	Fill	Adjusted Fill	
									0.24					
				1.22					1.22					
				2.15					2.30	-0.82		0.00		-2893.76
128+00.00	1.00	73.36	139.65	139.65	1.20	41.34	91.80	110.16	-126.23	-126.23	0.00	0.00		
									37.29					
				186.44					186.44					
				326.09					333.89	-126.23		0.00		-3027.79
128+50.00	1.00	68.51	131.42	131.42	1.20	43.96	78.18	93.82	-126.23	-126.23	0.00	0.00		
									37.29					
				186.44					186.44					
				317.86					317.55	-126.23		0.00		-3153.70
129+00.00	1.00	65.61	124.24	124.24	1.20	49.18	85.39	102.47	-126.23	-126.23	0.00	0.00		
									37.29					
				186.44					186.44					
				310.69					326.20	-126.23		0.00		-3295.44
129+44.00	1.00	73.40	113.33	113.33	1.20	43.63	74.87	89.85	-111.08	-111.08	0.00	0.00		
									32.81					
				164.07					164.07					
				277.41					286.73	-111.08		0.00		-3415.85
129+50.00	1.00	74.23	16.41	16.41	1.20	41.14	9.32	11.19	-15.15	-15.15	0.00	0.00		
									4.47					
				22.37					22.37					
				38.79					38.04	-15.15		0.00		-3430.25
130+00.00	1.00	72.39	135.84	135.84	1.20	33.54	68.44	82.13	-126.23	-126.23	0.00	0.00		
									37.29					
				186.44					186.44					
				322.29					305.87	-126.23		0.00		-3540.05
130+50.00	1.00	87.57	148.12	148.12	1.20	44.81	71.74	86.08	-126.23	-126.23	0.00	0.00		
									39.37					
				196.86					196.86					
				344.98					322.31	-126.23		0.00		-3643.61
131+00.00	1.00	94.46	168.42	168.42	1.20	218.52	244.24	293.08	-126.23	-126.23	0.00	0.00		
									43.78					
				218.90					218.90					
				387.31					555.76	-126.23		0.00		-3938.28
131+50.00	1.00	85.13	166.09	166.09	1.20	337.07	516.88	620.25	-95.48	-95.48	30.75	36.90		
									46.11					
				230.53					230.53					
				396.62					896.88	-95.48		36.90		-4570.92
132+00.00	1.00	70.87	144.45	144.45	1.20	435.75	715.58	858.70	-95.48	-95.48	224.25	269.10		
									46.18					
				230.89					230.89					
				375.34					1135.76	-95.48		269.10		-5695.93
132+48.62	1.00	57.57	115.65	115.65	1.20	447.37	795.18	954.22	-92.85	-92.85	218.07	261.69		
									44.91					
				224.53					224.53					
				340.18					1223.65	-92.85		261.69		-6933.94
132+50.00	1.00	57.30	2.93	2.93	1.20	446.17	22.79	27.35	-2.63	-2.63	6.18	7.41		

US Highway 18

Baseline Station	Cut		Station Cut Volume	Adjusted Station Cut	Fill		Station Fill Volume	Adjusted Station Fill	----- Added Quantities -----				Mass Ordinate	
	Shrink/Swell Factor	Station Cut Area			Shrink/Swell Factor	Station Fill Area			Cut	Adjusted Cut	Fill	Adjusted Fill		
			Moisture & Density Control (unclassified):					1.27						
			Moisture & Density Control:	6.36				6.36						
			Station Total:	9.29				34.98		-2.63		7.41		-6969.67
133+00.00	1.00	49.28	98.68	98.68	1.20	158.40	559.79	671.75	-95.48	-95.48	30.75	36.90		
			Moisture & Density Control (unclassified):					46.18						
			Moisture & Density Control:	230.89				230.89						
			Station Total:	329.57				948.81		-95.48		36.90		-7721.29
133+26.00	1.00	45.22	45.50	45.50	1.20	0.00	76.27	91.52	-65.64	-65.64	0.00	0.00		
			Moisture & Density Control (unclassified):					21.83						
			Moisture & Density Control:	109.14				109.14						
			Station Total:	154.64				222.49		-65.64		0.00		-7854.78
133+50.00	1.00	45.96	40.52	40.52	1.20	19.84	8.82	10.58	-60.59	-60.59	0.00	0.00		
			Moisture & Density Control (unclassified):					19.14						
			Moisture & Density Control:	95.71				95.71						
			Station Total:	136.23				125.43		-60.59		0.00		-7904.56
134+00.00	1.00	163.27	193.73	193.73	1.20	75.68	88.45	106.14	-126.23	-126.23	19.50	23.40		
			Moisture & Density Control (unclassified):					45.97						
			Moisture & Density Control:	229.85				229.85						
			Station Total:	423.58				381.95		-126.23		23.40		-8012.56
134+50.00	1.00	160.95	300.20	300.20	1.20	8.21	77.68	93.21	-126.23	-126.23	19.50	23.40		
			Moisture & Density Control (unclassified):					50.80						
			Moisture & Density Control:	253.99				253.99						
			Station Total:	554.19				398.00		-126.23		23.40		-8006.00
135+00.00	1.00	238.38	369.74	369.74	1.20	3.05	10.42	12.50	-126.23	-126.23	0.00	0.00		
			Moisture & Density Control (unclassified):					52.47						
			Moisture & Density Control:	262.35				262.35						
			Station Total:	632.10				327.33		-126.23		0.00		-7827.46
135+50.00	1.00	340.61	536.10	536.10	1.20	3.84	6.38	7.65	-126.23	-126.23	0.00	0.00		
			Moisture & Density Control (unclassified):					54.14						
			Moisture & Density Control:	270.72				270.72						
			Station Total:	806.82				332.51		-126.23		0.00		-7479.38
136+00.00	1.00	331.97	622.76	622.76	1.20	2.71	6.07	7.28	-126.23	-126.23	0.00	0.00		
			Moisture & Density Control (unclassified):					55.82						
			Moisture & Density Control:	279.08				279.08						
			Station Total:	901.84				342.18		-126.23		0.00		-7045.94
136+50.00	1.00	86.45	387.42	387.42	1.20	0.43	2.91	3.49	-126.23	-126.23	0.00	0.00		
			Moisture & Density Control (unclassified):					57.67						
			Moisture & Density Control:	287.26				287.26						
			Station Total:	674.69				348.42		-126.23		0.00		-6845.90
137+00.00	1.00	0.00	80.04	80.04	1.20	0.00	0.40	0.48	0.00	0.00	0.00	0.00		
			Moisture & Density Control (unclassified):					29.34						
			Moisture & Density Control:	145.63				145.63						
			Station Total:	225.67				175.45		0.00		0.00		-6795.68
Grand Total:			12761.11	27247.40				5257.62	23693.13	-7611.30	-7611.30	2303.84	2738.65	

US Highway 18

End Area Volume Report

Report Created: 8/1/2024
Time: 2:47pm

Cross Section Set Name: East-West - Volumes

Alignment Name: Mainline - US18

Input Grid Factor: 1.000000

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
	----- Cut -----			----- Fill -----			----- Cut -----			----- Fill -----						
Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted			
99+00.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	
99+50.00	1.00	27.54	25.50	25.50	1.20	0.00	0.00	0.00	1.00	-126.23	-126.23	1.00	0.00	0.00	-115.17	
100+00.00	1.00	0.00	25.50	25.50	1.20	0.00	0.00	0.00	1.00	-126.23	-126.23	1.00	0.00	0.00	-230.34	
100+50.00	1.00	85.61	79.27	79.27	1.20	0.00	0.00	0.00	1.00	-126.23	-126.23	1.00	0.00	0.00	-291.74	
101+00.00	1.00	49.97	125.53	125.53	1.20	0.01	0.01	0.01	1.00	-126.23	-126.23	1.00	0.00	0.00	-323.44	
101+50.00	1.00	73.42	114.24	114.24	1.20	0.11	0.11	0.13	1.00	-126.23	-126.23	1.00	0.00	0.00	-375.92	
102+00.00	1.00	92.28	153.42	153.42	1.20	0.00	0.10	0.12	1.00	-126.23	-126.23	1.00	0.00	0.00	-396.51	
102+38.00	1.00	100.40	135.59	135.59	1.20	3.74	2.63	3.16	1.00	-92.79	-92.79	1.20	3.14	3.77	-396.85	
102+50.00	1.00	99.61	44.45	44.45	1.20	3.91	1.70	2.04	1.00	-30.29	-30.29	1.00	0.00	0.00	-396.18	
103+00.00	1.00	91.40	176.86	176.86	1.20	1.05	4.60	5.52	1.00	-126.23	-126.23	1.00	0.00	0.00	-397.17	
103+42.00	1.00	80.51	133.71	133.71	1.20	4.74	4.51	5.41	1.00	-99.42	-99.42	1.20	6.61	7.93	-412.18	
103+50.00	1.00	78.84	23.61	23.61	1.20	4.68	1.40	1.68	1.00	-20.20	-20.20	1.00	0.00	0.00	-416.96	
104+00.00	1.00	67.58	135.57	135.57	1.20	3.46	7.55	9.06	1.00	-126.23	-126.23	1.00	0.00	0.00	-455.53	
104+50.00	1.00	65.03	122.78	122.78	1.20	3.01	6.00	7.20	1.00	-126.23	-126.23	1.00	0.00	0.00	-503.46	
104+58.00	1.00	63.79	19.08	19.08	1.20	2.73	0.85	1.02	1.00	-20.20	-20.20	1.00	0.00	0.00	-511.56	
104+80.00	1.00	60.97	50.83	50.83	1.20	5.20	3.23	3.88	1.00	-52.72	-52.72	1.20	2.82	3.38	-537.12	
105+00.00	1.00	59.30	44.54	44.54	1.20	2.48	2.84	3.41	1.00	-50.49	-50.49	1.00	0.00	0.00	-561.40	
105+50.00	1.00	49.67	100.90	100.90	1.20	5.30	7.20	8.64	1.00	-126.23	-126.23	1.00	0.00	0.00	-632.66	
106+00.00	1.00	45.00	87.66	87.66	1.20	17.59	21.20	25.44	1.00	-126.23	-126.23	1.00	0.00	0.00	-733.95	
106+29.00	1.00	44.19	47.90	47.90	1.20	0.00	9.45	11.34	1.00	200.83	200.83	1.20	260.43	312.52	-828.27	
106+50.00	1.00	54.05	38.21	38.21	1.20	10.85	4.22	5.06	1.00	-53.02	-53.02	1.00	0.00	0.00	-862.04	
106+95.00	1.00	68.21	101.87	101.87	1.20	0.97	9.82	11.78	1.00	-113.60	-113.60	1.00	0.00	0.00	-919.12	
107+00.00	1.00	69.25	12.73	12.73	1.20	1.07	0.19	0.23	1.00	-12.62	-12.62	1.00	0.00	0.00	-922.97	
107+04.77	1.00	70.08	12.32	12.32	1.20	1.29	0.21	0.25	1.00	30.18	30.18	1.20	42.23	50.68	-934.96	
107+35.09	1.00	100.60	96.04	96.04	1.20	2.34	2.02	2.42	1.00	-29.08	-29.08	1.20	47.46	56.95	-949.98	
107+50.00	1.00	71.13	47.52	47.52	1.20	1.61	1.08	1.29	1.00	-37.64	-37.64	1.00	0.00	0.00	-952.51	
108+00.00	1.00	94.63	153.59	153.59	1.20	0.00	1.47	1.76	1.00	-126.23	-126.23	1.00	0.00	0.00	-964.19	
108+50.00	1.00	141.52	219.23	219.23	1.20	0.00	0.00	0.00	1.00	-126.23	-126.23	1.00	0.00	0.00	-908.48	
108+77.00	1.00	123.56	132.93	132.93	1.20	0.00	0.00	0.00	1.00	-65.20	-65.20	1.20	2.96	3.55	-864.44	
109+00.00	1.00	125.26	106.22	106.22	1.20	0.00	0.00	0.00	1.00	-58.06	-58.06	1.00	0.00	0.00	-833.43	
109+50.00	1.00	102.28	210.69	210.69	1.20	0.00	0.00	0.00	1.00	-126.23	-126.23	1.00	0.00	0.00	-786.26	
109+51.00	1.00	101.77	3.78	3.78	1.20	0.00	0.00	0.00	1.00	-2.52	-2.52	1.00	0.00	0.00	-785.76	
110+00.00	1.00	88.57	172.72	172.72	1.20	0.02	0.02	0.02	1.00	-123.70	-123.70	1.00	0.00	0.00	-773.31	
110+06.00	1.00	85.61	19.35	19.35	1.20	0.00	0.00	0.00	1.00	-15.15	-15.15	1.00	0.00	0.00	-773.58	
110+44.00	1.00	71.16	110.32	110.32	1.20	2.19	1.54	1.85	1.00	88.47	88.47	1.20	187.99	225.59	-828.97	
110+50.00	1.00	68.78	15.55	15.55	1.20	0.23	0.27	0.32	1.00	-15.15	-15.15	1.00	0.00	0.00	-832.86	
110+70.00	1.00	66.32	50.04	50.04	1.20	20.29	7.60	9.12	1.00	-47.84	-47.84	1.20	2.65	3.18	-857.04	
111+00.00	1.00	59.83	70.09	70.09	1.20	56.30	42.55	51.06	1.00	-45.01	-45.01	1.20	30.73	36.87	-942.26	
111+49.00	1.00	52.12	101.59	101.59	1.20	71.91	116.34	139.61	1.00	-73.51	-73.51	1.20	50.19	60.23	-1148.51	
111+50.00	1.00	52.04	1.93	1.93	1.20	70.86	2.64	3.17	1.00	157.20	157.20	1.20	189.40	227.29	-1220.50	
112+00.00	1.00	50.38	94.84	94.84	1.20	49.56	111.49	133.79	1.00	-75.01	-75.01	1.20	51.21	61.45	-1431.11	
112+50.00	1.00	54.71	97.31	97.31	1.20	85.58	125.12	150.14	1.00	-75.01	-75.01	1.20	51.21	61.45	-1657.70	
112+91.00	1.00	61.36	88.13	88.13	1.20	90.19	133.45	160.14	1.00	-54.88	-54.88	1.20	48.62	58.35	-1873.52	
113+00.00	1.00	61.99	20.56	20.56	1.20	91.71	30.32	36.38	1.00	-13.50	-13.50	1.20	9.22	11.06	-1920.62	
113+50.00	1.00	66.45	118.93	118.93	1.20	48.40	129.73	155.68	1.00	-75.01	-75.01	1.20	51.21	61.45	-2131.13	
114+00.00	1.00	67.04	123.60	123.60	1.20	0.53	45.31	54.37	1.00	-75.01	-75.01	1.20	51.21	61.45	-2233.55	
114+12.00	1.00	67.95	30.00	30.00	1.20	0.34	0.19	0.23	1.00	104.57	104.57	1.20	157.30	188.76	-2295.93	
114+50.00	1.00	71.87	98.39	98.39	1.20	3.05	2.39	2.87	1.00	-95.93	-95.93	1.00	0.00	0.00	-2323.08	

US Highway 18

Baseline Station	----- Station Quantities -----								----- Added Quantities -----						Mass Ordinate
	----- Cut -----				----- Fill -----				----- Cut -----			----- Fill -----			
Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted		
115+00.00	1.00	84.66	144.93	144.93	1.20	0.20	3.01	3.61	1.00	-126.23	-126.23	1.00	0.00	0.00	-2345.28
115+42.00	1.00	94.44	139.30	139.30	1.20	0.09	0.23	0.27	1.00	-103.99	-103.99	1.20	2.04	2.45	-2344.00
115+50.00	1.00	96.66	28.31	28.31	1.20	0.04	0.02	0.02	1.00	-20.20	-20.20	1.00	0.00	0.00	-2341.88
116+00.00	1.00	105.36	187.05	187.05	1.20	0.00	0.04	0.05	1.00	-126.23	-126.23	1.00	0.00	0.00	-2318.39
116+50.00	1.00	109.42	198.87	198.87	1.20	0.00	0.00	0.00	1.00	-126.23	-126.23	1.00	0.00	0.00	-2283.04
117+00.00	1.00	114.22	207.07	207.07	1.20	0.00	0.00	0.00	1.00	-126.23	-126.23	1.00	0.00	0.00	-2239.48
117+50.00	1.00	115.65	212.84	212.84	1.20	0.00	0.00	0.00	1.00	-126.23	-126.23	1.00	0.00	0.00	-2190.16
117+83.00	1.00	73.69	115.71	115.71	1.20	0.00	0.00	0.00	1.00	-83.31	-83.31	1.00	0.00	0.00	-2179.60
118+00.00	1.00	84.72	49.87	49.87	1.20	0.09	0.03	0.03	1.00	-42.92	-42.92	1.00	0.00	0.00	-2183.22
118+50.00	1.00	99.53	170.61	170.61	1.20	2.40	2.31	2.77	1.00	-126.23	-126.23	1.00	0.00	0.00	-2176.80
119+00.00	1.00	106.15	190.44	190.44	1.20	0.94	3.09	3.71	1.00	-126.23	-126.23	1.00	0.00	0.00	-2153.58
119+43.00	1.00	104.52	167.85	167.85	1.20	0.64	1.25	1.50	1.00	-105.84	-105.84	1.20	2.71	3.25	-2128.40
119+50.00	1.00	104.61	27.12	27.12	1.20	0.59	0.16	0.19	1.00	-17.67	-17.67	1.00	0.00	0.00	-2124.36
119+71.96	1.00	105.13	85.33	85.33	1.20	0.98	0.64	0.76	1.00	-48.96	-48.96	1.20	6.48	7.78	-2112.90
120+00.00	1.00	110.73	112.12	112.12	1.20	0.04	0.53	0.63	1.00	-70.78	-70.78	1.00	0.00	0.00	-2093.11
120+50.00	1.00	108.74	203.28	203.28	1.20	0.01	0.05	0.06	1.00	-126.23	-126.23	1.00	0.00	0.00	-2053.41
121+00.00	1.00	102.14	195.30	195.30	1.20	0.00	0.01	0.01	1.00	-126.23	-126.23	1.00	0.00	0.00	-2021.63
121+50.00	1.00	97.61	184.99	184.99	1.20	0.95	0.87	1.04	1.00	-126.23	-126.23	1.00	0.00	0.00	-2001.19
121+72.00	1.00	95.80	78.84	78.84	1.20	0.00	0.38	0.46	1.00	39.99	39.99	1.20	88.42	106.10	-2004.41
122+00.00	1.00	103.93	103.62	103.62	1.20	1.38	0.71	0.85	1.00	-70.69	-70.69	1.00	0.00	0.00	-1992.05
122+44.58	1.00	102.18	170.18	170.18	1.20	72.66	60.33	72.39	1.00	-112.53	-112.53	1.00	0.00	0.00	-2040.03
122+50.00	1.00	102.03	20.52	20.52	1.20	68.63	14.01	16.81	1.00	-13.70	-13.70	1.00	0.00	0.00	-2054.06
123+00.00	1.00	102.60	189.53	189.53	1.20	67.69	124.55	149.47	1.00	-126.23	-126.23	1.00	0.00	0.00	-2177.51
123+50.00	1.00	104.51	191.83	191.83	1.20	62.04	118.54	142.25	1.00	-126.23	-126.23	1.00	0.00	0.00	-2291.45
124+00.00	1.00	105.97	194.97	194.97	1.20	43.09	96.10	115.32	1.00	-126.23	-126.23	1.00	0.00	0.00	-2375.32
124+50.00	1.00	98.59	189.49	189.49	1.20	32.99	69.59	83.51	1.00	-126.23	-126.23	1.00	0.00	0.00	-2432.86
125+00.00	1.00	91.67	176.23	176.23	1.20	18.28	47.03	56.44	1.00	-126.23	-126.23	1.00	0.00	0.00	-2476.58
125+14.00	1.00	89.77	47.06	47.06	1.20	28.69	12.17	14.60	1.00	-27.91	-27.91	1.20	7.43	8.92	-2491.39
125+50.00	1.00	72.23	108.03	108.03	1.20	0.00	19.16	22.99	1.00	75.30	75.30	1.12	338.26	379.95	-2734.84
125+66.00	1.00	71.45	42.58	42.58	1.20	0.00	0.00	0.00	1.00	144.54	144.54	1.00	0.00	0.00	-2556.96
126+00.00	1.00	93.13	103.69	103.69	1.20	8.80	5.50	6.59	1.00	-85.83	-85.83	1.00	0.00	0.00	-2568.21
126+50.00	1.00	79.51	159.97	159.97	1.20	33.46	38.94	46.72	1.00	-126.23	-126.23	1.00	0.00	0.00	-2618.48
127+00.00	1.00	76.41	144.44	144.44	1.20	54.41	81.21	97.45	1.00	-126.23	-126.23	1.00	0.00	0.00	-2735.00
127+49.67	1.00	77.38	141.53	141.53	1.20	58.28	103.57	124.29	1.00	-62.50	-62.50	1.20	62.90	75.48	-2892.79
127+50.00	1.00	77.39	0.94	0.94	1.20	58.30	0.70	0.84	1.00	-0.82	-0.82	1.00	0.00	0.00	-2893.76
128+00.00	1.00	73.36	139.65	139.65	1.20	41.34	91.80	110.16	1.00	-126.23	-126.23	1.00	0.00	0.00	-3027.79
128+50.00	1.00	68.51	131.42	131.42	1.20	43.96	78.18	93.82	1.00	-126.23	-126.23	1.00	0.00	0.00	-3153.70
129+00.00	1.00	65.61	124.24	124.24	1.20	49.18	85.39	102.47	1.00	-126.23	-126.23	1.00	0.00	0.00	-3295.44
129+44.00	1.00	73.40	113.33	113.33	1.20	43.63	74.87	89.85	1.00	-111.08	-111.08	1.00	0.00	0.00	-3415.85
129+50.00	1.00	74.23	16.41	16.41	1.20	41.14	9.32	11.19	1.00	-15.15	-15.15	1.00	0.00	0.00	-3430.25
130+00.00	1.00	72.39	135.84	135.84	1.20	33.54	68.44	82.13	1.00	-126.23	-126.23	1.00	0.00	0.00	-3540.05
130+50.00	1.00	87.57	148.12	148.12	1.20	44.81	71.74	86.08	1.00	-126.23	-126.23	1.00	0.00	0.00	-3643.61
131+00.00	1.00	94.46	168.42	168.42	1.20	218.52	244.24	293.08	1.00	-126.23	-126.23	1.00	0.00	0.00	-3938.28
131+50.00	1.00	85.13	166.09	166.09	1.20	337.07	516.88	620.25	1.00	-95.48	-95.48	1.20	30.75	36.90	-4570.92
132+00.00	1.00	70.87	144.45	144.45	1.20	435.75	715.58	858.70	1.00	-95.48	-95.48	1.20	224.25	269.10	-5695.93
132+48.62	1.00	57.57	115.65	115.65	1.20	447.37	795.18	954.22	1.00	-92.85	-92.85	1.20	218.07	261.69	-6933.94
132+50.00	1.00	57.30	2.93	2.93	1.20	446.17	22.79	27.35	1.00	-2.63	-2.63	1.20	6.18	7.41	-6969.67
133+00.00	1.00	49.28	98.68	98.68	1.20	158.40	559.79	671.75	1.00	-95.48	-95.48	1.20	30.75	36.90	-7721.29
133+26.00	1.00	45.22	45.50	45.50	1.20	0.00	76.27	91.52	1.00	-65.64	-65.64	1.00	0.00	0.00	-7854.78
133+50.00	1.00	45.96	40.52	40.52	1.20	19.84	8.82	10.58	1.00	-60.59	-60.59	1.00	0.00	0.00	-7904.56
134+00.00	1.00	163.27	193.73	193.73	1.20	75.68	88.45	106.14	1.00	-126.23	-126.23	1.20	19.50	23.40	-8012.56
134+50.00	1.00	160.95	300.20	300.20	1.20	8.21	77.68	93.21	1.00	-126.23	-126.23	1.20	19.50	23.40	-8006.00
135+00.00	1.00	238.38	369.74	369.74	1.20	3.05	10.42	12.50	1.00	-126.23	-126.23	1.00	0.00	0.00	-7827.46
135+50.00	1.00	340.61	536.10	536.10	1.20	3.84	6.38	7.65	1.00	-126.23	-126.23	1.00	0.00	0.00	-7479.38
136+00.00	1.00	331.97	622.76	622.76	1.20	2.71	6.07	7.28	1.00	-126.23	-126.23	1.00	0.00	0.00	-7045.94
136+50.00	1.00	86.45	387.42	387.42	1.20	0.43	2.91	3.49	1.00	-126.23	-126.23	1.00	0.00	0.00	-6845.90
137+00.00	1.00	0.00	80.04	80.04	1.20	0.00	0.40	0.48	1.00	0.00	0.00	1.00	0.00	0.00	-6795.68

US Highway 18

Baseline Station	----- Station Quantities -----								----- Added Quantities -----						Mass Ordinate
	Factor	Area	----- Cut -----		----- Fill -----		Factor	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	
Grand Total:			12761.11	12761.11			5257.62	6309.15		-7611.30	-7611.30		2303.84	2738.65	

US Highway 18

Multiple Material Volumes Report

Report Created: 8/1/2024
Time: 2:49pm

Cross Section Set Name: East-West - Volumes

Alignment Name: Mainline - US18

Input Grid Factor: 1.000000

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

Station	Normal Cut	Factor	Adjusted Normal Cut	Adjusted Added Cut	Adjusted MDC Cut	Total Adjusted Station Cut	Normal Fill	Factor	Adjusted Normal Fill	Adjusted Added Fill	Adjusted MDC Fill	Total Adjusted Station Fill	Mass Ordinate
99+00.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00
99+50.00	25.50	1.00	25.50	-126.23	72.22	-28.50	0.00	1.20	0.00	0.00	86.67	86.67	-115.17
100+00.00	25.50	1.00	25.50	-126.23	72.22	-28.50	0.00	1.20	0.00	0.00	86.67	86.67	-230.34
100+50.00	79.27	1.00	79.27	-126.23	72.22	25.26	0.00	1.20	0.00	0.00	86.67	86.67	-291.74
101+00.00	125.53	1.00	125.53	-126.23	154.94	154.25	0.01	1.20	0.01	0.00	185.93	185.94	-323.44
101+50.00	114.24	1.00	114.24	-126.23	201.87	189.89	0.11	1.20	0.13	0.00	242.24	242.38	-375.92
102+00.00	153.42	1.00	153.42	-126.23	238.30	265.49	0.10	1.20	0.12	0.00	285.96	286.08	-396.51
102+38.00	135.59	1.00	135.59	-92.79	181.11	223.91	2.63	1.20	3.16	3.77	217.33	224.25	-396.85
102+50.00	44.45	1.00	44.45	-30.29	57.19	71.34	1.70	1.20	2.04	0.00	68.63	70.67	-396.18
103+00.00	176.86	1.00	176.86	-126.23	230.54	281.18	4.60	1.20	5.52	0.00	276.65	282.17	-397.17
103+42.00	133.71	1.00	133.71	-99.42	179.83	214.12	4.51	1.20	5.41	7.93	215.79	229.13	-412.18
103+50.00	23.61	1.00	23.61	-20.20	32.59	36.00	1.40	1.20	1.68	0.00	39.11	40.79	-416.96
104+00.00	135.57	1.00	135.57	-126.23	194.25	203.59	7.55	1.20	9.06	0.00	233.10	242.15	-455.53
104+50.00	122.78	1.00	122.78	-126.23	186.44	183.00	6.00	1.20	7.20	0.00	223.73	230.93	-503.46
104+58.00	19.08	1.00	19.08	-20.20	29.83	28.72	0.85	1.20	1.02	0.00	35.80	36.82	-511.56
104+80.00	50.83	1.00	50.83	-52.72	82.04	80.14	3.23	1.20	3.88	3.38	98.44	105.71	-537.12
105+00.00	44.54	1.00	44.54	-50.49	74.58	68.63	2.84	1.20	3.41	0.00	89.49	92.91	-561.40
105+50.00	100.90	1.00	100.90	-126.23	186.44	161.11	7.20	1.20	8.64	0.00	223.73	232.38	-632.66
106+00.00	87.66	1.00	87.66	-126.23	186.44	147.87	21.20	1.20	25.44	0.00	223.73	249.17	-733.95
106+29.00	47.90	1.00	47.90	200.83	95.96	344.69	9.45	1.20	11.34	312.52	115.15	439.00	-828.27
106+50.00	38.21	1.00	38.21	-53.02	69.49	54.68	4.22	1.20	5.06	0.00	83.38	88.45	-862.04
106+95.00	101.87	1.00	101.87	-113.60	167.80	156.07	9.82	1.20	11.78	0.00	201.36	213.14	-919.12
107+00.00	12.73	1.00	12.73	-12.62	18.64	18.75	0.19	1.20	0.23	0.00	22.37	22.60	-922.97
107+04.77	12.32	1.00	12.32	30.18	17.80	60.30	0.21	1.20	0.25	50.68	21.36	72.28	-934.96
107+35.09	96.04	1.00	96.04	-29.08	113.05	180.01	2.02	1.20	2.42	56.95	135.66	195.04	-949.98
107+50.00	47.52	1.00	47.52	-37.64	55.60	65.48	1.08	1.20	1.29	0.00	66.71	68.00	-952.51
108+00.00	153.59	1.00	153.59	-126.23	186.44	213.80	1.47	1.20	1.76	0.00	223.73	225.49	-964.19
108+50.00	219.23	1.00	219.23	-126.23	186.44	279.45	0.00	1.20	0.00	0.00	223.73	223.73	-908.48
108+77.00	132.93	1.00	132.93	-65.20	100.68	168.41	0.00	1.20	0.00	3.55	120.82	124.37	-864.44
109+00.00	106.22	1.00	106.22	-58.06	85.76	133.92	0.00	1.20	0.00	0.00	102.92	102.92	-833.43
109+50.00	210.69	1.00	210.69	-126.23	186.44	270.90	0.00	1.20	0.00	0.00	223.73	223.73	-786.26
109+51.00	3.78	1.00	3.78	-2.52	3.73	4.98	0.00	1.20	0.00	0.00	4.47	4.47	-785.76
110+00.00	172.72	1.00	172.72	-123.70	182.72	231.73	0.02	1.20	0.02	0.00	219.26	219.28	-773.31
110+06.00	19.35	1.00	19.35	-15.15	22.37	26.58	0.00	1.20	0.00	0.00	26.85	26.85	-773.58
110+44.00	110.32	1.00	110.32	88.47	133.72	332.51	1.54	1.20	1.85	225.59	160.46	387.90	-828.97
110+50.00	15.55	1.00	15.55	-15.15	19.85	20.25	0.27	1.20	0.32	0.00	23.82	24.15	-832.86
110+70.00	50.04	1.00	50.04	-47.84	70.38	72.58	7.60	1.20	9.12	3.18	84.45	96.75	-857.04
111+00.00	70.09	1.00	70.09	-45.01	111.87	136.94	42.55	1.20	51.06	36.87	134.24	222.17	-942.26
111+49.00	101.59	1.00	101.59	-73.51	172.43	200.50	116.34	1.20	139.61	60.23	206.91	406.75	-1148.51
111+50.00	1.93	1.00	1.93	157.20	3.31	162.44	2.64	1.20	3.17	227.29	3.97	234.43	-1220.50
112+00.00	94.84	1.00	94.84	-75.01	175.94	195.77	111.49	1.20	133.79	61.45	211.13	406.38	-1431.11
112+50.00	97.31	1.00	97.31	-75.01	186.44	208.74	125.12	1.20	150.14	61.45	223.73	435.33	-1657.70
112+91.00	88.13	1.00	88.13	-54.88	152.88	186.13	133.45	1.20	160.14	58.35	183.46	401.95	-1873.52
113+00.00	20.56	1.00	20.56	-13.50	33.56	40.62	30.32	1.20	36.38	11.06	40.27	87.71	-1920.62
113+50.00	118.93	1.00	118.93	-75.01	186.44	230.36	129.73	1.20	155.68	61.45	223.73	440.87	-2131.13
114+00.00	123.60	1.00	123.60	-75.01	175.94	224.53	45.31	1.20	54.37	61.45	211.13	326.96	-2233.55
114+12.00	30.00	1.00	30.00	104.57	39.71	174.27	0.19	1.20	0.23	188.76	47.65	236.64	-2295.93
114+50.00	98.39	1.00	98.39	-95.93	133.72	136.18	2.39	1.20	2.87	0.00	160.46	163.33	-2323.08
115+00.00	144.93	1.00	144.93	-126.23	186.44	205.15	3.01	1.20	3.61	0.00	223.73	227.35	-2345.28
115+42.00	139.30	1.00	139.30	-103.99	156.61	191.93	0.23	1.20	0.27	2.45	187.94	190.65	-2344.00
115+50.00	28.31	1.00	28.31	-20.20	29.83	37.95	0.02	1.20	0.02	0.00	35.80	35.82	-2341.88
116+00.00	187.05	1.00	187.05	-126.23	186.44	247.27	0.04	1.20	0.05	0.00	223.73	223.78	-2318.39
116+50.00	198.87	1.00	198.87	-126.23	186.44	259.08	0.00	1.20	0.00	0.00	223.73	223.73	-2283.04
117+00.00	207.07	1.00	207.07	-126.23	186.44	267.29	0.00	1.20	0.00	0.00	223.73	223.73	-2239.48
117+50.00	212.84	1.00	212.84	-126.23	186.44	273.05	0.00	1.20	0.00	0.00	223.73	223.73	-2190.16
117+83.00	115.71	1.00	115.71	-83.31	109.19	141.59	0.00	1.20	0.00	0.00	131.03	131.03	-2179.60
118+00.00	49.87	1.00	49.87	-42.92	52.68	59.64	0.03	1.20	0.03	0.00	63.22	63.25	-2183.22
118+50.00	170.61	1.00	170.61	-126.23	175.94	220.32	2.31	1.20	2.77	0.00	211.13	213.90	-2176.80
119+00.00	190.44	1.00	190.44	-126.23	186.44	250.66	3.09	1.20	3.71	0.00	223.73	227.44	-2153.58
119+43.00	167.85	1.00	167.85	-105.84	160.34	222.35	1.25	1.20	1.50	3.25	192.41	197.16	-2128.40
119+50.00	27.12	1.00	27.12	-17.67	26.10	35.55	0.16	1.20	0.19	0.00	31.32	31.51	-2124.36
119+71.96	85.33	1.00	85.33	-48.96	81.89	118.26	0.64	1.20	0.76	7.78	98.27	106.81	-2112.90
120+00.00	112.12	1.00	112.12	-70.78	104.55	145.89	0.53	1.20	0.63	0.00	125.46	126.10	-2093.11
120+50.00	203.28	1.00	203.28	-126.23	186.44	263.49	0.05	1.20	0.06	0.00	223.73	223.79	-2053.41
121+00.00	195.30	1.00	195.30	-126.23	186.44	255.51	0.01	1.20	0.01	0.00	223.73	223.74	-2021.63

US Highway 18

Station	Normal Cut	Factor	Adjusted Normal Cut	Adjusted Added Cut	Adjusted MDC Cut	Total Adjusted Station Cut	Normal Fill	Factor	Adjusted Normal Fill	Adjusted Added Fill	Adjusted MDC Fill	Total Adjusted Station Fill	Mass Ordinate
121+50.00	184.99	1.00	184.99	-126.23	186.44	245.21	0.87	1.20	1.04	0.00	223.73	224.78	-2001.19
121+72.00	78.84	1.00	78.84	39.99	77.44	196.27	0.38	1.20	0.46	106.10	92.93	199.49	-2004.41
122+00.00	103.62	1.00	103.62	-70.69	98.56	131.49	0.71	1.20	0.85	0.00	118.28	119.13	-1992.05
122+44.58	170.18	1.00	170.18	-112.53	166.22	223.87	60.33	1.20	72.39	0.00	199.46	271.85	-2040.03
122+50.00	20.52	1.00	20.52	-13.70	20.23	27.05	14.01	1.20	16.81	0.00	24.27	41.08	-2054.06
123+00.00	189.53	1.00	189.53	-126.23	186.44	249.75	124.55	1.20	149.47	0.00	223.73	373.20	-2177.51
123+50.00	191.83	1.00	191.83	-126.23	186.44	252.05	118.54	1.20	142.25	0.00	223.73	365.98	-2291.45
124+00.00	194.97	1.00	194.97	-126.23	186.44	255.19	96.10	1.20	115.32	0.00	223.73	339.06	-2375.32
124+50.00	189.49	1.00	189.49	-126.23	186.44	249.71	69.59	1.20	83.51	0.00	223.73	307.24	-2432.86
125+00.00	176.23	1.00	176.23	-126.23	186.44	236.45	47.03	1.20	56.44	0.00	223.73	280.17	-2476.58
125+14.00	47.06	1.00	47.06	-27.91	52.20	71.35	12.17	1.20	14.60	8.92	62.65	86.16	-2491.39
125+50.00	108.03	1.00	108.03	75.30	119.12	302.44	19.16	1.20	22.99	379.95	142.94	545.89	-2734.84
125+66.00	42.58	1.00	42.58	144.54	46.22	233.34	0.00	1.20	0.00	0.00	55.47	55.47	-2556.96
126+00.00	103.69	1.00	103.69	-85.83	112.50	130.35	5.50	1.20	6.59	0.00	135.00	141.60	-2568.21
126+50.00	159.97	1.00	159.97	-126.23	186.44	220.19	38.94	1.20	46.72	0.00	223.73	270.46	-2618.48
127+00.00	144.44	1.00	144.44	-126.23	186.44	204.66	81.21	1.20	97.45	0.00	223.73	321.19	-2735.00
127+49.67	141.53	1.00	141.53	-62.50	185.23	264.26	103.57	1.20	124.29	75.48	222.27	422.04	-2892.79
127+50.00	0.94	1.00	0.94	-0.82	1.22	1.33	0.70	1.20	0.84	0.00	1.46	2.30	-2893.76
128+00.00	139.65	1.00	139.65	-126.23	186.44	199.87	91.80	1.20	110.16	0.00	223.73	333.89	-3027.79
128+50.00	131.42	1.00	131.42	-126.23	186.44	191.64	78.18	1.20	93.82	0.00	223.73	317.55	-3153.70
129+00.00	124.24	1.00	124.24	-126.23	186.44	184.46	85.39	1.20	102.47	0.00	223.73	326.20	-3295.44
129+44.00	113.33	1.00	113.33	-111.08	164.07	166.33	74.87	1.20	89.85	0.00	196.89	286.73	-3415.85
129+50.00	16.41	1.00	16.41	-15.15	22.37	23.64	9.32	1.20	11.19	0.00	26.85	38.04	-3430.25
130+00.00	135.84	1.00	135.84	-126.23	186.44	196.06	68.44	1.20	82.13	0.00	223.73	305.87	-3540.05
130+50.00	148.12	1.00	148.12	-126.23	196.86	218.75	71.74	1.20	86.08	0.00	236.23	322.31	-3643.61
131+00.00	168.42	1.00	168.42	-126.23	218.90	261.09	244.24	1.20	293.08	0.00	262.68	555.76	-3938.28
131+50.00	166.09	1.00	166.09	-95.48	230.53	301.14	516.88	1.20	620.25	36.90	276.63	933.78	-4570.92
132+00.00	144.45	1.00	144.45	-95.48	230.89	279.86	715.58	1.20	858.70	269.10	277.07	1404.86	-5695.93
132+48.62	115.65	1.00	115.65	-92.85	224.53	247.33	795.18	1.20	954.22	261.69	269.44	1485.34	-6933.94
132+50.00	2.93	1.00	2.93	-2.63	6.36	6.66	22.79	1.20	27.35	7.41	7.63	42.39	-6969.67
133+00.00	98.68	1.00	98.68	-95.48	230.89	234.09	559.79	1.20	671.75	36.90	277.07	985.71	-7721.29
133+26.00	45.50	1.00	45.50	-65.64	109.14	89.00	76.27	1.20	91.52	0.00	130.97	222.49	-7854.78
133+50.00	40.52	1.00	40.52	-60.59	95.71	75.64	8.82	1.20	10.58	0.00	114.85	125.43	-7904.56
134+00.00	193.73	1.00	193.73	-126.23	229.85	297.35	88.45	1.20	106.14	23.40	275.82	405.35	-8012.56
134+50.00	300.20	1.00	300.20	-126.23	253.99	427.96	77.68	1.20	93.21	23.40	304.78	421.40	-8006.00
135+00.00	369.74	1.00	369.74	-126.23	262.35	505.87	10.42	1.20	12.50	0.00	314.82	327.33	-7827.46
135+50.00	536.10	1.00	536.10	-126.23	270.72	680.59	6.38	1.20	7.65	0.00	324.86	332.51	-7479.38
136+00.00	622.76	1.00	622.76	-126.23	279.08	775.61	6.07	1.20	7.28	0.00	334.90	342.18	-7045.94
136+50.00	387.42	1.00	387.42	-126.23	287.26	548.46	2.91	1.20	3.49	0.00	344.93	348.42	-6845.90
137+00.00	80.04	1.00	80.04	0.00	145.63	225.67	0.40	1.20	0.48	0.00	174.98	175.45	-6795.68

US Highway 18

Roadway Designer Component Quantities Report

Report Created: 8/1/2024
Time: 2:50pm

Corridor Name: East-West - Volumes

Alignment Name: Mainline - US18

Input Grid Factor: 1.000000

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

Station	Material	Component End Area Totals		Component Surface Area Totals			Material Cost
		Area	Volume	Length	Area	Unit Cost	
99+00.00	UndercutA:						
99+50.00	UndercutA:	78.00	72.22				
100+00.00	UndercutA:		72.22				
100+50.00	UndercutA:	78.00	72.22				
101+00.00	UndercutA:	89.34	154.94				
101+50.00	UndercutA:	128.68	201.87				
102+00.00	UndercutA:	128.68	238.30				
102+38.00	UndercutA:	128.68	181.11				
102+50.00	UndercutA:	128.68	57.19				
103+00.00	UndercutA:	120.31	230.54				
103+42.00	UndercutA:	110.90	179.83				
103+50.00	UndercutA:	109.11	32.59				
104+00.00	UndercutA:	100.68	194.25				
104+50.00	UndercutA:	100.68	186.44				
104+58.00	UndercutA:	100.68	29.83				
104+80.00	UndercutA:	100.68	82.04				
105+00.00	UndercutA:	100.68	74.58				
105+50.00							

US Highway 18

Station	Material	Component End Area Totals		Component Surface Area Totals			Material Cost
		Area	Volume	Length	Area	Unit Cost	
	UndercutA:	100.68	186.44				
106+00.00	UndercutA:	100.68	186.44				
106+29.00	UndercutA:	78.00	95.96				
106+50.00	UndercutA:	100.68	69.49				
106+95.00	UndercutA:	100.68	167.80				
107+00.00	UndercutA:	100.68	18.64				
107+04.77	UndercutA:	100.68	17.80				
107+35.09	UndercutA:	100.68	113.05				
107+50.00	UndercutA:	100.68	55.60				
108+00.00	UndercutA:	100.68	186.44				
108+50.00	UndercutA:	100.68	186.44				
108+77.00	UndercutA:	100.68	100.68				
109+00.00	UndercutA:	100.68	85.76				
109+50.00	UndercutA:	100.68	186.44				
109+51.00	UndercutA:	100.68	3.73				
110+00.00	UndercutA:	100.68	182.72				
110+06.00	UndercutA:	100.68	22.37				
110+44.00	UndercutA:	89.34	133.72				
110+50.00	UndercutA:	89.34	19.85				
110+70.00	UndercutA:	100.68	70.38				
111+00.00	UndercutA:	100.68	111.87				

US Highway 18

Station	Material	Component End Area Totals		Component Surface Area Totals			Material Cost
		Area	Volume	Length	Area	Unit Cost	
111+49.00	UndercutA:	89.34	172.43				
111+50.00	UndercutA:	89.34	3.31				
112+00.00	UndercutA:	100.68	175.94				
112+50.00	UndercutA:	100.68	186.44				
112+91.00	UndercutA:	100.68	152.88				
113+00.00	UndercutA:	100.68	33.56				
113+50.00	UndercutA:	100.68	186.44				
114+00.00	UndercutA:	89.34	175.94				
114+12.00	UndercutA:	89.34	39.71				
114+50.00	UndercutA:	100.68	133.72				
115+00.00	UndercutA:	100.68	186.44				
115+42.00	UndercutA:	100.68	156.61				
115+50.00	UndercutA:	100.68	29.83				
116+00.00	UndercutA:	100.68	186.44				
116+50.00	UndercutA:	100.68	186.44				
117+00.00	UndercutA:	100.68	186.44				
117+50.00	UndercutA:	100.68	186.44				
117+83.00	UndercutA:	78.00	109.19				
118+00.00	UndercutA:	89.34	52.68				
118+50.00	UndercutA:	100.68	175.94				

US Highway 18

Station	Material	Component End Area Totals		Component Surface Area Totals			Material Cost
		Area	Volume	Length	Area	Unit Cost	
119+00.00	UndercutA:	100.68	186.44				
119+43.00	UndercutA:	100.68	160.34				
119+50.00	UndercutA:	100.68	26.10				
119+71.96	UndercutA:	100.68	81.89				
120+00.00	UndercutA:	100.68	104.55				
120+50.00	UndercutA:	100.68	186.44				
121+00.00	UndercutA:	100.68	186.44				
121+50.00	UndercutA:	100.68	186.44				
121+72.00	UndercutA:	89.34	77.44				
122+00.00	UndercutA:	100.68	98.56				
122+44.58	UndercutA:	100.68	166.22				
122+50.00	UndercutA:	100.68	20.23				
123+00.00	UndercutA:	100.68	186.44				
123+50.00	UndercutA:	100.68	186.44				
124+00.00	UndercutA:	100.68	186.44				
124+50.00	UndercutA:	100.68	186.44				
125+00.00	UndercutA:	100.68	186.44				
125+14.00	UndercutA:	100.68	52.20				
125+50.00	UndercutA:	78.00	119.12				
125+66.00	UndercutA:	78.00	46.22				
126+00.00							

US Highway 18

Station	Material	Component End Area Totals		Component Surface Area Totals			Material Cost
		Area	Volume	Length	Area	Unit Cost	
	UndercutA:	100.68	112.50				
126+50.00	UndercutA:	100.68	186.44				
127+00.00	UndercutA:	100.68	186.44				
127+49.67	UndercutA:	100.68	185.23				
127+50.00	UndercutA:	100.68	1.22				
128+00.00	UndercutA:	100.68	186.44				
128+50.00	UndercutA:	100.68	186.44				
129+00.00	UndercutA:	100.68	186.44				
129+44.00	UndercutA:	100.68	164.07				
129+50.00	UndercutA:	100.68	22.37				
130+00.00	UndercutA:	100.68	186.44				
130+50.00	UndercutA:	112.01	196.86				
131+00.00	UndercutA:	124.68	218.90				
131+50.00	UndercutA:	124.68	230.53				
132+00.00	UndercutA:	124.68	230.89				
132+48.62	UndercutA:	124.68	224.53				
132+50.00	UndercutA:	124.68	6.36				
133+00.00	UndercutA:	124.68	230.89				
133+26.00	UndercutA:	102.00	109.14				
133+50.00	UndercutA:	113.34	95.71				
134+00.00	UndercutA:	134.89	229.85				

US Highway 18

Station	Material	Component End Area Totals		Component Surface Area Totals		Unit Cost	Material Cost
		Area	Volume	Length	Area		
134+50.00	UndercutA:	139.41	253.99				
135+00.00	UndercutA:	143.93	262.35				
135+50.00	UndercutA:	148.44	270.72				
136+00.00	UndercutA:	152.96	279.08				
136+50.00	UndercutA:	157.48	287.44				
137+00.00	UndercutA:		145.81				

Totals: UndercutA: 14486.65

Total Estimated Cost:

SD Highway 407

SD Highway 407

Earthwork Quantities Report

Report Created: 8/1/2024
Time: 3:26pm

Cross Section Set Name: North-South - Volumes

Alignment Name: Mainline - SD407-US18

Input Grid Factor: 1.000000 All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Baseline Station	Cut Shrink/Swell Factor	Station Cut Area	Station Cut Volume	Adjusted Station Cut	Fill		Adjusted Station Fill	----- Added Quantities -----				Mass Ordinate	
					Shrink/Swell Factor	Station Fill Area		Station Fill Volume	Cut	Adjusted Cut	Fill		Adjusted Fill
201+00.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Moisture & Density Control (unclassified):						0.00						
	Moisture & Density Control:			0.00			0.00						
	Station Total:			0.00			0.00		0.00		0.00		0.00
201+50.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Moisture & Density Control (unclassified):						0.00						
	Moisture & Density Control:			0.00			0.00						
	Station Total:			0.00			0.00		0.00		0.00		0.00
202+00.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Moisture & Density Control (unclassified):						0.00						
	Moisture & Density Control:			0.00			0.00						
	Station Total:			0.00			0.00		0.00		0.00		0.00
202+50.00	1.00	0.62	0.57	0.57	1.20	27.27	25.25	30.31	0.00	0.00	0.00	0.00	
	Moisture & Density Control (unclassified):							0.00					
	Moisture & Density Control:			0.00			0.00						
	Station Total:			0.57			30.31		0.00		0.00		-29.73
203+00.00	1.00	0.09	0.65	0.65	1.20	34.19	56.91	68.29	0.00	0.00	0.00	0.00	
	Moisture & Density Control (unclassified):							0.00					
	Moisture & Density Control:			0.00			0.00						
	Station Total:			0.65			68.29		0.00		0.00		-97.38
203+50.00	1.00	0.68	0.71	0.71	1.20	0.43	32.05	38.47	0.00	0.00	0.00	0.00	
	Moisture & Density Control (unclassified):							0.00					
	Moisture & Density Control:			0.00			0.00						
	Station Total:			0.71			38.47		0.00		0.00		-135.13
204+00.00	1.00	0.91	1.47	1.47	1.20	0.50	0.86	1.03	0.00	0.00	0.00	0.00	
	Moisture & Density Control (unclassified):							0.00					
	Moisture & Density Control:			0.00			0.00						
	Station Total:			1.47			1.03		0.00		0.00		-134.69
204+50.00	1.00	1.48	2.21	2.21	1.20	0.10	0.55	0.66	0.00	0.00	0.00	0.00	
	Moisture & Density Control (unclassified):							0.00					
	Moisture & Density Control:			0.00			0.00						
	Station Total:			2.21			0.66		0.00		0.00		-133.14
205+00.00	1.00	1.66	2.91	2.91	1.20	0.24	0.32	0.38	0.00	0.00	0.00	0.00	
	Moisture & Density Control (unclassified):							0.00					
	Moisture & Density Control:			0.00			0.00						
	Station Total:			2.91			0.38		0.00		0.00		-130.62
205+50.00	1.00	0.71	2.19	2.19	1.20	0.25	0.46	0.55	0.00	0.00	0.00	0.00	
	Moisture & Density Control (unclassified):							0.00					
	Moisture & Density Control:			0.00			0.00						
	Station Total:			2.19			0.55		0.00		0.00		-128.97
206+00.00	1.00	1.89	2.40	2.40	1.20	0.16	0.38	0.45	0.00	0.00	0.00	0.00	

SD Highway 407

Baseline Station	Cut			Adjusted Station Cut	Fill			Adjusted Station Fill	----- Added Quantities -----				Mass Ordinate	
	Shrink/Swell Factor	Station Cut Area	Station Cut Volume		Shrink/Swell Factor	Station Fill Area	Station Fill Volume		Cut	Adjusted Cut	Fill	Adjusted Fill		
								0.00						
				Moisture & Density Control (unclassified):				0.00						
				Moisture & Density Control:	0.00			0.00						
				Station Total:	2.40			0.45		0.00		0.00		-127.03
206+50.00	1.00	0.16	1.90	1.90	1.20	0.42	0.53	0.64	0.00	0.00	0.00	0.00		
				Moisture & Density Control (unclassified):				0.00						
				Moisture & Density Control:	0.00			0.00						
				Station Total:	1.90			0.64		0.00		0.00		-125.77
207+00.00	1.00	0.39	0.52	0.52	1.20	0.28	0.65	0.78	0.00	0.00	0.00	0.00		
				Moisture & Density Control (unclassified):				0.00						
				Moisture & Density Control:	0.00			0.00						
				Station Total:	0.52			0.78		0.00		0.00		-126.03
207+50.00	1.00	0.37	0.70	0.70	1.20	0.32	0.56	0.67	0.00	0.00	0.00	0.00		
				Moisture & Density Control (unclassified):				0.00						
				Moisture & Density Control:	0.00			0.00						
				Station Total:	0.70			0.67		0.00		0.00		-126.00
208+00.00	1.00	5.17	5.13	5.13	1.20	3.70	3.73	4.48	0.00	0.00	0.00	0.00		
				Moisture & Density Control (unclassified):				0.00						
				Moisture & Density Control:	0.00			0.00						
				Station Total:	5.13			4.48		0.00		0.00		-125.35
208+09.82	1.00	6.58	2.14	2.14	1.20	2.56	1.14	1.37	2.11	2.11	2.11	2.53		
				Moisture & Density Control (unclassified):				0.00						
				Moisture & Density Control:	0.00			0.00						
				Station Total:	2.14			1.37		2.11		2.53		-125.00
208+50.00	1.00	2.25	6.57	6.57	1.20	2.74	3.94	4.73	0.00	0.00	0.00	0.00		
				Moisture & Density Control (unclassified):				0.00						
				Moisture & Density Control:	0.00			0.00						
				Station Total:	6.57			4.73		0.00		0.00		-123.16
209+00.00	1.00	2.03	3.96	3.96	1.20	0.44	2.94	3.53	0.00	0.00	0.00	0.00		
				Moisture & Density Control (unclassified):				0.00						
				Moisture & Density Control:	0.00			0.00						
				Station Total:	3.96			3.53		0.00		0.00		-122.74
209+50.00	1.00	0.00	1.88	1.88	1.20	0.00	0.41	0.49	0.00	0.00	0.00	0.00		
				Moisture & Density Control (unclassified):				0.00						
				Moisture & Density Control:	0.00			0.00						
				Station Total:	1.88			0.49		0.00		0.00		-121.35
210+00.00	1.00	0.29	0.27	0.27	1.20	0.01	0.01	0.01	0.00	0.00	0.00	0.00		
				Moisture & Density Control (unclassified):				0.00						
				Moisture & Density Control:	0.00			0.00						
				Station Total:	0.27			0.01		0.00		0.00		-121.10
210+50.00	1.00	0.30	0.54	0.54	1.20	0.01	0.02	0.02	0.00	0.00	0.00	0.00		
				Moisture & Density Control (unclassified):				0.00						
				Moisture & Density Control:	0.00			0.00						
				Station Total:	0.54			0.02		0.00		0.00		-120.58
211+00.00	1.00	0.06	0.33	0.33	1.20	0.02	0.02	0.03	0.00	0.00	0.00	0.00		
				Moisture & Density Control (unclassified):				0.00						
				Moisture & Density Control:	0.00			0.00						
				Station Total:	0.33			0.03		0.00		0.00		-120.28
211+50.00	1.00	0.11	0.16	0.16	1.20	0.02	0.03	0.04	0.00	0.00	0.00	0.00		

SD Highway 407

Baseline Station	Cut			Adjusted Station Cut	Fill			Adjusted Station Fill	----- Added Quantities -----				Mass Ordinate	
	Shrink/Swell Factor	Station Cut Area	Station Cut Volume		Shrink/Swell Factor	Station Fill Area	Station Fill Volume		Cut	Adjusted Cut	Fill	Adjusted Fill		
								0.00						
				0.00				0.00						
				0.16				0.04		0.00		0.00		-120.16
212+00.00	1.00	1.70	1.68	1.68	1.20	0.00	0.01	0.02	0.00	0.00	0.00	0.00		
								0.00						
				0.00				0.00						
				1.68				0.02		0.00		0.00		-118.49
212+50.00	1.00	10.63	11.42	11.42	1.20	2.19	2.03	2.43	58.81	58.81	58.81	70.57		
								4.14						
				20.68				20.68						
				32.09				27.25		58.81		70.57		-125.41
213+00.00	1.00	24.47	32.50	32.50	1.20	0.88	2.84	3.41	-77.40	-77.40	0.00	0.00		
								12.35						
				61.73				61.73						
				94.23				77.49		-77.40		0.00		-186.06
213+44.69	1.00	19.37	36.28	36.28	1.20	1.32	1.82	2.18	-69.17	-69.17	0.00	0.00		
								12.78						
				63.91				63.91						
				100.20				78.88		-69.17		0.00		-233.91
213+50.00	1.00	22.77	4.15	4.15	1.20	3.71	0.49	0.59	-8.22	-8.22	0.00	0.00		
								1.29						
				6.47				6.47						
				10.62				8.36		-8.22		0.00		-239.88
213+67.30	1.00	22.79	14.59	14.59	1.20	5.66	3.00	3.60	-26.78	-26.78	0.00	0.00		
								4.94						
				24.69				24.69						
				39.28				33.22		-26.78		0.00		-260.60
214+00.00	1.00	19.03	25.32	25.32	1.20	3.14	5.33	6.39	-50.62	-50.62	0.00	0.00		
								9.32						
				46.59				46.59						
				71.91				62.30		-50.62		0.00		-301.61
214+19.98	1.00	17.69	13.58	13.58	1.20	5.75	3.29	3.95	-30.92	-30.92	0.00	0.00		
								4.84						
				24.22				24.22						
				37.80				33.01		-30.92		0.00		-327.74
214+50.00	1.00	20.82	21.41	21.41	1.20	2.90	4.81	5.77	-46.47	-46.47	0.00	0.00		
								8.53						
				42.64				42.64						
				64.05				56.94		-46.47		0.00		-367.10
215+00.00	1.00	30.20	47.24	47.24	1.20	0.00	2.69	3.23	-77.40	-77.40	0.00	0.00		
								23.15						
				115.74				115.74						
				162.97				142.11		-77.40		0.00		-423.63
215+50.00	1.00	22.77	49.04	49.04	1.20	31.58	29.24	35.09	-77.40	-77.40	0.00	0.00		
								31.90						
				159.52				159.52						
				208.56				226.51		-77.40		0.00		-518.98
215+84.13	1.00	46.94	44.06	44.06	1.20	0.12	20.03	24.04	-52.82	-52.82	0.00	0.00		

SD Highway 407

Baseline Station	Cut		Station Cut Volume	Adjusted Station Cut	Fill		Station Fill Area	Station Fill Volume	Adjusted Station Fill	----- Added Quantities -----				Mass Ordinate
	Shrink/Swell Factor	Station Cut Area			Shrink/Swell Factor	Station Fill Area				Cut	Adjusted Cut	Fill	Adjusted Fill	
									23.07					
				115.36					115.36					
				159.42					162.47	-52.82		0.00		-574.86
216+00.00	1.00	6.07	15.58	15.58	1.20	0.86	0.29	0.34	0.00	0.00	0.00	0.00		
									5.37					
				26.83					26.83					
				42.42					32.54	0.00		0.00		-564.98
216+50.00	1.00	7.42	12.48	12.48	1.20	0.81	1.54	1.85	0.00	0.00	0.00	0.00		
									0.00					
				0.00					0.00					
				12.48					1.85	0.00		0.00		-554.35
216+54.99	1.00	6.74	1.31	1.31	1.20	0.90	0.16	0.19	0.50	0.50	0.50	0.60		
									0.00					
				0.00					0.00					
				1.31					0.19	0.50		0.60		-553.33
217+00.00	1.00	6.89	11.36	11.36	1.20	0.00	0.75	0.90	0.00	0.00	0.00	0.00		
									0.00					
				0.00					0.00					
				11.36					0.90	0.00		0.00		-542.87
217+18.91	1.00	3.27	3.56	3.56	1.20	0.00	0.00	0.00	2.65	2.65	2.65	3.18		
									0.00					
				0.00					0.00					
				3.56					0.00	2.65		3.18		-539.84
217+50.00	1.00	0.97	2.44	2.44	1.20	8.69	5.01	6.01	0.00	0.00	0.00	0.00		
									0.00					
				0.00					0.00					
				2.44					6.01	0.00		0.00		-543.41
218+00.00	1.00	2.40	3.12	3.12	1.20	2.84	10.68	12.82	0.00	0.00	0.00	0.00		
									0.00					
				0.00					0.00					
				3.12					12.82	0.00		0.00		-553.11
218+50.00	1.00	3.89	5.82	5.82	1.20	5.50	7.73	9.27	0.00	0.00	0.00	0.00		
									0.00					
				0.00					0.00					
				5.82					9.27	0.00		0.00		-556.56
218+55.61	1.00	1.19	0.53	0.53	1.20	4.28	1.02	1.22	25.05	25.05	21.15	25.38		
									0.00					
				0.00					0.00					
				0.53					1.22	25.05		25.38		-557.58
218+64.21	1.00	0.67	0.30	0.30	1.20	5.84	1.61	1.93	3.20	3.20	3.20	3.84		
									0.00					
				0.00					0.00					
				0.30					1.93	3.20		3.84		-559.86
218+84.12	1.00	0.37	0.38	0.38	1.20	5.08	4.03	4.84	0.00	0.00	0.00	0.00		
									0.00					
				0.00					0.00					
				0.38					4.84	0.00		0.00		-564.31
219+00.00	1.00	0.44	0.24	0.24	1.20	4.90	2.93	3.52	0.00	0.00	0.00	0.00		

SD Highway 407

Baseline Station	Cut		Station Cut Volume	Adjusted Station Cut	Fill		Station Fill Area	Station Fill Volume	Adjusted Station Fill	----- Added Quantities -----				Mass Ordinate
	Shrink/Swell Factor	Station Cut Area			Shrink/Swell Factor	Station Fill Area				Cut	Adjusted Cut	Fill	Adjusted Fill	
									0.00					
				0.00					0.00					
				0.24					3.52		0.00		0.00	-567.60
219+50.00	1.00	3.55	3.69	3.69	1.20	0.00	4.53	5.44	0.00	0.00	0.00	0.00		
									0.00					
				0.00					0.00					
				3.69					5.44		0.00		0.00	-569.35
219+54.24	1.00	1.77	0.42	0.42	1.20	0.02	0.00	0.00	79.32	79.32	75.53	90.64		
									0.00					
				0.00					0.00					
				0.42					0.00		79.32		90.64	-580.25
220+00.00	1.00	0.74	2.13	2.13	1.20	1.09	0.94	1.13	0.00	0.00	0.00	0.00		
									0.00					
				0.00					0.00					
				2.13					1.13		0.00		0.00	-579.25
220+50.00	1.00	2.60	3.10	3.10	1.20	0.99	1.93	2.31	0.00	0.00	0.00	0.00		
									0.00					
				0.00					0.00					
				3.10					2.31		0.00		0.00	-578.46
221+00.00	1.00	4.94	6.99	6.99	1.20	1.00	1.84	2.21	0.00	0.00	0.00	0.00		
									0.00					
				0.00					0.00					
				6.99					2.21		0.00		0.00	-573.69
221+50.00	1.00	2.13	6.55	6.55	1.20	1.57	2.38	2.86	0.58	0.58	0.58	0.70		
									0.00					
				0.00					0.00					
				6.55					2.86		0.58		0.70	-570.11
221+50.33	1.00	2.12	0.03	0.03	1.20	1.58	0.02	0.02	0.00	0.00	0.00	0.00		
									0.00					
				0.00					0.00					
				0.03					0.02		0.00		0.00	-570.11
221+84.12	1.00	0.53	1.66	1.66	1.20	0.27	1.16	1.39	0.00	0.00	0.00	0.00		
									0.00					
				0.00					0.00					
				1.66					1.39		0.00		0.00	-569.83
222+00.00	1.00	1.27	0.53	0.53	1.20	0.09	0.10	0.13	0.00	0.00	0.00	0.00		
									0.00					
				0.00					0.00					
				0.53					0.13		0.00		0.00	-569.43
222+25.16	1.00	3.85	2.39	2.39	1.20	0.04	0.06	0.07	1.36	1.36	1.36	1.63		
									0.00					
				0.00					0.00					
				2.39					0.07		1.36		1.63	-567.38
222+50.00	1.00	3.55	3.41	3.41	1.20	0.14	0.09	0.10	0.00	0.00	0.00	0.00		
									0.00					
				0.00					0.00					
				3.41					0.10		0.00		0.00	-564.08
223+00.00	1.00	7.04	9.80	9.80	1.20	0.07	0.20	0.24	0.00	0.00	0.00	0.00		

SD Highway 407

Baseline Station	Cut		Adjusted Station Cut	Fill Shrink/Swell Factor	Station Fill Area	Station Fill Volume	Adjusted Station Fill	----- Added Quantities -----				Mass Ordinate	
	Shrink/Swell Factor	Station Cut Area						Station Cut Volume	Cut	Adjusted Cut	Fill		Adjusted Fill
							0.00						
			Moisture & Density Control (unclassified):				0.00						
			Moisture & Density Control:	0.00			0.00						
			Station Total:	0.02			0.33		0.00		0.00		-607.54
227+50.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
			Moisture & Density Control (unclassified):				0.00						
			Moisture & Density Control:	0.00			0.00						
			Station Total:	0.00			0.00		0.00		0.00		-607.54
228+00.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
			Moisture & Density Control (unclassified):				0.00						
			Moisture & Density Control:	0.00			0.00						
			Station Total:	0.00			0.00		0.00		0.00		-607.54
228+00.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
			Moisture & Density Control (unclassified):				0.00						
			Moisture & Density Control:	0.00			0.00						
			Station Total:	0.00			0.00		0.00		0.00		-607.54
Grand Total:			528.68	1237.05		376.44	1301.77	-342.99	-342.99	166.52	199.82		

SD Highway 407

End Area Volume Report

Report Created: 8/1/2024
Time: 3:27pm

Cross Section Set Name: North-South - Volumes

Alignment Name: Mainline - SD407-US18

Input Grid Factor: 1.000000

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
	----- Cut -----				----- Fill -----				----- Cut -----			----- Fill -----			
Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted		
201+00.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
201+50.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
202+00.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
202+50.00	1.00	0.62	0.57	0.57	1.20	27.27	25.25	30.31	1.00	0.00	0.00	1.00	0.00	0.00	-29.73
203+00.00	1.00	0.09	0.65	0.65	1.20	34.19	56.91	68.29	1.00	0.00	0.00	1.00	0.00	0.00	-97.38
203+50.00	1.00	0.68	0.71	0.71	1.20	0.43	32.05	38.47	1.00	0.00	0.00	1.00	0.00	0.00	-135.13
204+00.00	1.00	0.91	1.47	1.47	1.20	0.50	0.86	1.03	1.00	0.00	0.00	1.00	0.00	0.00	-134.69
204+50.00	1.00	1.48	2.21	2.21	1.20	0.10	0.55	0.66	1.00	0.00	0.00	1.00	0.00	0.00	-133.14
205+00.00	1.00	1.66	2.91	2.91	1.20	0.24	0.32	0.38	1.00	0.00	0.00	1.00	0.00	0.00	-130.62
205+50.00	1.00	0.71	2.19	2.19	1.20	0.25	0.46	0.55	1.00	0.00	0.00	1.00	0.00	0.00	-128.97
206+00.00	1.00	1.89	2.40	2.40	1.20	0.16	0.38	0.45	1.00	0.00	0.00	1.00	0.00	0.00	-127.03
206+50.00	1.00	0.16	1.90	1.90	1.20	0.42	0.53	0.64	1.00	0.00	0.00	1.00	0.00	0.00	-125.77
207+00.00	1.00	0.39	0.52	0.52	1.20	0.28	0.65	0.78	1.00	0.00	0.00	1.00	0.00	0.00	-126.03
207+50.00	1.00	0.37	0.70	0.70	1.20	0.32	0.56	0.67	1.00	0.00	0.00	1.00	0.00	0.00	-126.00
208+00.00	1.00	5.17	5.13	5.13	1.20	3.70	3.73	4.48	1.00	0.00	0.00	1.00	0.00	0.00	-125.35
208+09.82	1.00	6.58	2.14	2.14	1.20	2.56	1.14	1.37	1.00	2.11	2.11	1.20	2.11	2.53	-125.00
208+50.00	1.00	2.25	6.57	6.57	1.20	2.74	3.94	4.73	1.00	0.00	0.00	1.00	0.00	0.00	-123.16
209+00.00	1.00	2.03	3.96	3.96	1.20	0.44	2.94	3.53	1.00	0.00	0.00	1.00	0.00	0.00	-122.74
209+50.00	1.00	0.00	1.88	1.88	1.20	0.00	0.41	0.49	1.00	0.00	0.00	1.00	0.00	0.00	-121.35
210+00.00	1.00	0.29	0.27	0.27	1.20	0.01	0.01	0.01	1.00	0.00	0.00	1.00	0.00	0.00	-121.10
210+50.00	1.00	0.30	0.54	0.54	1.20	0.01	0.02	0.02	1.00	0.00	0.00	1.00	0.00	0.00	-120.58
211+00.00	1.00	0.06	0.33	0.33	1.20	0.02	0.02	0.03	1.00	0.00	0.00	1.00	0.00	0.00	-120.28
211+50.00	1.00	0.11	0.16	0.16	1.20	0.02	0.03	0.04	1.00	0.00	0.00	1.00	0.00	0.00	-120.16
212+00.00	1.00	1.70	1.68	1.68	1.20	0.00	0.01	0.02	1.00	0.00	0.00	1.00	0.00	0.00	-118.49
212+50.00	1.00	10.63	11.42	11.42	1.20	2.19	2.03	2.43	1.00	58.81	58.81	1.20	58.81	70.57	-125.41
213+00.00	1.00	24.47	32.50	32.50	1.20	0.88	2.84	3.41	1.00	-77.40	-77.40	1.00	0.00	0.00	-186.06
213+44.69	1.00	19.37	36.28	36.28	1.20	1.32	1.82	2.18	1.00	-69.17	-69.17	1.00	0.00	0.00	-233.91
213+50.00	1.00	22.77	4.15	4.15	1.20	3.71	0.49	0.59	1.00	-8.22	-8.22	1.00	0.00	0.00	-239.88
213+67.30	1.00	22.79	14.59	14.59	1.20	5.66	3.00	3.60	1.00	-26.78	-26.78	1.00	0.00	0.00	-260.60
214+00.00	1.00	19.03	25.32	25.32	1.20	3.14	5.33	6.39	1.00	-50.62	-50.62	1.00	0.00	0.00	-301.61
214+19.98	1.00	17.69	13.58	13.58	1.20	5.75	3.29	3.95	1.00	-30.92	-30.92	1.00	0.00	0.00	-327.74
214+50.00	1.00	20.82	21.41	21.41	1.20	2.90	4.81	5.77	1.00	-46.47	-46.47	1.00	0.00	0.00	-367.10
215+00.00	1.00	30.20	47.24	47.24	1.20	0.00	2.69	3.23	1.00	-77.40	-77.40	1.00	0.00	0.00	-423.63
215+50.00	1.00	22.77	49.04	49.04	1.20	31.58	29.24	35.09	1.00	-77.40	-77.40	1.00	0.00	0.00	-518.98
215+84.13	1.00	46.94	44.06	44.06	1.20	0.12	20.03	24.04	1.00	-52.82	-52.82	1.00	0.00	0.00	-574.86
216+00.00	1.00	6.07	15.58	15.58	1.20	0.86	0.29	0.34	1.00	0.00	0.00	1.00	0.00	0.00	-564.98
216+50.00	1.00	7.42	12.48	12.48	1.20	0.81	1.54	1.85	1.00	0.00	0.00	1.00	0.00	0.00	-554.35
216+54.99	1.00	6.74	1.31	1.31	1.20	0.90	0.16	0.19	1.00	0.50	0.50	1.20	0.50	0.60	-553.33
217+00.00	1.00	6.89	11.36	11.36	1.20	0.00	0.75	0.90	1.00	0.00	0.00	1.00	0.00	0.00	-542.87
217+18.91	1.00	3.27	3.56	3.56	1.20	0.00	0.00	0.00	1.00	2.65	2.65	1.20	2.65	3.18	-539.84
217+50.00	1.00	0.97	2.44	2.44	1.20	8.69	5.01	6.01	1.00	0.00	0.00	1.00	0.00	0.00	-543.41
218+00.00	1.00	2.40	3.12	3.12	1.20	2.84	10.68	12.82	1.00	0.00	0.00	1.00	0.00	0.00	-553.11
218+50.00	1.00	3.89	5.82	5.82	1.20	5.50	7.73	9.27	1.00	0.00	0.00	1.00	0.00	0.00	-556.56
218+55.61	1.00	1.19	0.53	0.53	1.20	4.28	1.02	1.22	1.00	25.05	25.05	1.20	21.15	25.38	-557.58
218+64.21	1.00	0.67	0.30	0.30	1.20	5.84	1.61	1.93	1.00	3.20	3.20	1.20	3.20	3.84	-559.86
218+84.12	1.00	0.37	0.38	0.38	1.20	5.08	4.03	4.84	1.00	0.00	0.00	1.00	0.00	0.00	-564.31
219+00.00	1.00	0.44	0.24	0.24	1.20	4.90	2.93	3.52	1.00	0.00	0.00	1.00	0.00	0.00	-567.60
219+50.00	1.00	3.55	3.69	3.69	1.20	0.00	4.53	5.44	1.00	0.00	0.00	1.00	0.00	0.00	-569.35

SD Highway 407

Baseline Station	----- Station Quantities -----								----- Added Quantities -----						Mass Ordinate
	----- Cut -----				----- Fill -----				----- Cut -----			----- Fill -----			
Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted		
219+54.24	1.00	1.77	0.42	0.42	1.20	0.02	0.00	0.00	1.00	79.32	79.32	1.20	75.53	90.64	-580.25
220+00.00	1.00	0.74	2.13	2.13	1.20	1.09	0.94	1.13	1.00	0.00	0.00	1.00	0.00	0.00	-579.25
220+50.00	1.00	2.60	3.10	3.10	1.20	0.99	1.93	2.31	1.00	0.00	0.00	1.00	0.00	0.00	-578.46
221+00.00	1.00	4.94	6.99	6.99	1.20	1.00	1.84	2.21	1.00	0.00	0.00	1.00	0.00	0.00	-573.69
221+50.00	1.00	2.13	6.55	6.55	1.20	1.57	2.38	2.86	1.00	0.58	0.58	1.20	0.58	0.70	-570.11
221+50.33	1.00	2.12	0.03	0.03	1.20	1.58	0.02	0.02	1.00	0.00	0.00	1.00	0.00	0.00	-570.11
221+84.12	1.00	0.53	1.66	1.66	1.20	0.27	1.16	1.39	1.00	0.00	0.00	1.00	0.00	0.00	-569.83
222+00.00	1.00	1.27	0.53	0.53	1.20	0.09	0.10	0.13	1.00	0.00	0.00	1.00	0.00	0.00	-569.43
222+25.16	1.00	3.85	2.39	2.39	1.20	0.04	0.06	0.07	1.00	1.36	1.36	1.20	1.36	1.63	-567.38
222+50.00	1.00	3.55	3.41	3.41	1.20	0.14	0.09	0.10	1.00	0.00	0.00	1.00	0.00	0.00	-564.08
223+00.00	1.00	7.04	9.80	9.80	1.20	0.07	0.20	0.24	1.00	0.00	0.00	1.00	0.00	0.00	-554.52
223+22.45	1.00	4.23	4.68	4.68	1.20	0.00	0.03	0.04	1.00	0.63	0.63	1.20	0.63	0.76	-549.99
223+50.00	1.00	13.16	8.87	8.87	1.20	0.01	0.01	0.01	1.00	0.00	0.00	1.00	0.00	0.00	-541.13
224+00.00	1.00	28.73	38.79	38.79	1.20	0.69	0.65	0.77	1.00	0.00	0.00	1.00	0.00	0.00	-503.12
224+03.71	1.00	32.12	4.18	4.18	1.20	0.67	0.09	0.11	1.00	0.00	0.00	1.00	0.00	0.00	-499.05
224+33.84	1.00	0.22	18.04	18.04	1.20	0.68	0.75	0.90	1.00	0.00	0.00	1.00	0.00	0.00	-481.91
224+44.06	1.00	0.02	0.05	0.05	1.20	1.50	0.41	0.49	1.00	0.00	0.00	1.00	0.00	0.00	-482.35
224+50.00	1.00	0.00	0.00	0.00	1.20	7.01	0.94	1.12	1.00	0.00	0.00	1.00	0.00	0.00	-483.48
225+00.00	1.00	0.05	0.05	0.05	1.20	57.91	60.10	72.13	1.00	0.00	0.00	1.00	0.00	0.00	-555.55
225+50.00	1.00	3.77	3.54	3.54	1.20	1.76	55.25	66.29	1.00	0.00	0.00	1.00	0.00	0.00	-618.31
226+00.00	1.00	5.76	8.82	8.82	1.20	0.36	1.97	2.36	1.00	0.00	0.00	1.00	0.00	0.00	-611.84
226+50.00	1.00	0.02	5.35	5.35	1.20	0.29	0.61	0.73	1.00	0.00	0.00	1.00	0.00	0.00	-607.23
227+00.00	1.00	0.00	0.02	0.02	1.20	0.00	0.27	0.33	1.00	0.00	0.00	1.00	0.00	0.00	-607.54
227+50.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-607.54
228+00.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-607.54
228+00.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-607.54
Grand Total:			528.68	528.68			376.44	451.73		-342.99	-342.99		166.52	199.82	

SD Highway 407

Multiple Material Volumes Report

Report Created: 8/1/2024
Time: 3:27pm

Cross Section Set Name: North-South - Volumes

Alignment Name: Mainline - SD407-US18

Input Grid Factor: 1.000000

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

Station	Normal Cut	Factor	Adjusted Normal Cut	Adjusted Added Cut	Adjusted MDC Cut	Total Adjusted Station Cut	Normal Fill	Factor	Adjusted Normal Fill	Adjusted Added Fill	Adjusted MDC Fill	Total Adjusted Station Fill	Mass Ordinate
201+00.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00
201+50.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00
202+00.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00
202+50.00	0.57	1.00	0.57	0.00	0.00	0.57	25.25	1.20	30.31	0.00	0.00	30.31	-29.73
203+00.00	0.65	1.00	0.65	0.00	0.00	0.65	56.91	1.20	68.29	0.00	0.00	68.29	-97.38
203+50.00	0.71	1.00	0.71	0.00	0.00	0.71	32.05	1.20	38.47	0.00	0.00	38.47	-135.13
204+00.00	1.47	1.00	1.47	0.00	0.00	1.47	0.86	1.20	1.03	0.00	0.00	1.03	-134.69
204+50.00	2.21	1.00	2.21	0.00	0.00	2.21	0.55	1.20	0.66	0.00	0.00	0.66	-133.14
205+00.00	2.91	1.00	2.91	0.00	0.00	2.91	0.32	1.20	0.38	0.00	0.00	0.38	-130.62
205+50.00	2.19	1.00	2.19	0.00	0.00	2.19	0.46	1.20	0.55	0.00	0.00	0.55	-128.97
206+00.00	2.40	1.00	2.40	0.00	0.00	2.40	0.38	1.20	0.45	0.00	0.00	0.45	-127.03
206+50.00	1.90	1.00	1.90	0.00	0.00	1.90	0.53	1.20	0.64	0.00	0.00	0.64	-125.77
207+00.00	0.52	1.00	0.52	0.00	0.00	0.52	0.65	1.20	0.78	0.00	0.00	0.78	-126.03
207+50.00	0.70	1.00	0.70	0.00	0.00	0.70	0.56	1.20	0.67	0.00	0.00	0.67	-126.00
208+00.00	5.13	1.00	5.13	0.00	0.00	5.13	3.73	1.20	4.48	0.00	0.00	4.48	-125.35
208+09.82	2.14	1.00	2.14	2.11	0.00	4.25	1.14	1.20	1.37	2.53	0.00	3.90	-125.00
208+50.00	6.57	1.00	6.57	0.00	0.00	6.57	3.94	1.20	4.73	0.00	0.00	4.73	-123.16
209+00.00	3.96	1.00	3.96	0.00	0.00	3.96	2.94	1.20	3.53	0.00	0.00	3.53	-122.74
209+50.00	1.88	1.00	1.88	0.00	0.00	1.88	0.41	1.20	0.49	0.00	0.00	0.49	-121.35
210+00.00	0.27	1.00	0.27	0.00	0.00	0.27	0.01	1.20	0.01	0.00	0.00	0.01	-121.10
210+50.00	0.54	1.00	0.54	0.00	0.00	0.54	0.02	1.20	0.02	0.00	0.00	0.02	-120.58
211+00.00	0.33	1.00	0.33	0.00	0.00	0.33	0.02	1.20	0.03	0.00	0.00	0.03	-120.28
211+50.00	0.16	1.00	0.16	0.00	0.00	0.16	0.03	1.20	0.04	0.00	0.00	0.04	-120.16
212+00.00	1.68	1.00	1.68	0.00	0.00	1.68	0.01	1.20	0.02	0.00	0.00	0.02	-118.49
212+50.00	11.42	1.00	11.42	58.81	20.68	90.90	2.03	1.20	2.43	70.57	24.81	97.82	-125.41
213+00.00	32.50	1.00	32.50	-77.40	61.73	16.83	2.84	1.20	3.41	0.00	74.08	77.49	-186.06
213+44.69	36.28	1.00	36.28	-69.17	63.91	31.02	1.82	1.20	2.18	0.00	76.69	78.88	-233.91
213+50.00	4.15	1.00	4.15	-8.22	6.47	2.39	0.49	1.20	0.59	0.00	7.77	8.36	-239.88
213+67.30	14.59	1.00	14.59	-26.78	24.69	12.50	3.00	1.20	3.60	0.00	29.62	33.22	-260.60
214+00.00	25.32	1.00	25.32	-50.62	46.59	21.29	5.33	1.20	6.39	0.00	55.91	62.30	-301.61
214+19.98	13.58	1.00	13.58	-30.92	24.22	6.88	3.29	1.20	3.95	0.00	29.06	33.01	-327.74
214+50.00	21.41	1.00	21.41	-46.47	42.64	17.57	4.81	1.20	5.77	0.00	51.16	56.94	-367.10
215+00.00	47.24	1.00	47.24	-77.40	115.74	85.58	2.69	1.20	3.23	0.00	138.88	142.11	-423.63
215+50.00	49.04	1.00	49.04	-77.40	159.52	131.16	29.24	1.20	35.09	0.00	191.42	226.51	-518.98
215+84.13	44.06	1.00	44.06	-52.82	115.36	106.59	20.03	1.20	24.04	0.00	138.44	162.47	-574.86
216+00.00	15.58	1.00	15.58	0.00	26.83	42.42	0.29	1.20	0.34	0.00	32.20	32.54	-564.98
216+50.00	12.48	1.00	12.48	0.00	0.00	12.48	1.54	1.20	1.85	0.00	0.00	1.85	-554.35
216+54.99	1.31	1.00	1.31	0.50	0.00	1.81	0.16	1.20	0.19	0.60	0.00	0.79	-553.33
217+00.00	11.36	1.00	11.36	0.00	0.00	11.36	0.75	1.20	0.90	0.00	0.00	0.90	-542.87
217+18.91	3.56	1.00	3.56	2.65	0.00	6.21	0.00	1.20	0.00	3.18	0.00	3.18	-539.84
217+50.00	2.44	1.00	2.44	0.00	0.00	2.44	5.01	1.20	6.01	0.00	0.00	6.01	-543.41
218+00.00	3.12	1.00	3.12	0.00	0.00	3.12	10.68	1.20	12.82	0.00	0.00	12.82	-553.11
218+50.00	5.82	1.00	5.82	0.00	0.00	5.82	7.73	1.20	9.27	0.00	0.00	9.27	-556.56
218+55.61	0.53	1.00	0.53	25.05	0.00	25.58	1.02	1.20	1.22	25.38	0.00	26.60	-557.58
218+64.21	0.30	1.00	0.30	3.20	0.00	3.50	1.61	1.20	1.93	3.84	0.00	5.77	-559.86
218+84.12	0.38	1.00	0.38	0.00	0.00	0.38	4.03	1.20	4.84	0.00	0.00	4.84	-564.31
219+00.00	0.24	1.00	0.24	0.00	0.00	0.24	2.93	1.20	3.52	0.00	0.00	3.52	-567.60
219+50.00	3.69	1.00	3.69	0.00	0.00	3.69	4.53	1.20	5.44	0.00	0.00	5.44	-569.35
219+54.24	0.42	1.00	0.42	79.32	0.00	79.74	0.00	1.20	0.00	90.64	0.00	90.64	-580.25
220+00.00	2.13	1.00	2.13	0.00	0.00	2.13	0.94	1.20	1.13	0.00	0.00	1.13	-579.25
220+50.00	3.10	1.00	3.10	0.00	0.00	3.10	1.93	1.20	2.31	0.00	0.00	2.31	-578.46
221+00.00	6.99	1.00	6.99	0.00	0.00	6.99	1.84	1.20	2.21	0.00	0.00	2.21	-573.69
221+50.00	6.55	1.00	6.55	0.58	0.00	7.13	2.38	1.20	2.86	0.70	0.00	3.55	-570.11
221+50.33	0.03	1.00	0.03	0.00	0.00	0.03	0.02	1.20	0.02	0.00	0.00	0.02	-570.11
221+84.12	1.66	1.00	1.66	0.00	0.00	1.66	1.16	1.20	1.39	0.00	0.00	1.39	-569.83
222+00.00	0.53	1.00	0.53	0.00	0.00	0.53	0.10	1.20	0.13	0.00	0.00	0.13	-569.43
222+25.16	2.39	1.00	2.39	1.36	0.00	3.75	0.06	1.20	0.07	1.63	0.00	1.70	-567.38
222+50.00	3.41	1.00	3.41	0.00	0.00	3.41	0.09	1.20	0.10	0.00	0.00	0.10	-564.08
223+00.00	9.80	1.00	9.80	0.00	0.00	9.80	0.20	1.20	0.24	0.00	0.00	0.24	-554.52
223+22.45	4.68	1.00	4.68	0.63	0.00	5.31	0.03	1.20	0.04	0.76	0.00	0.79	-549.99
223+50.00	8.87	1.00	8.87	0.00	0.00	8.87	0.01	1.20	0.01	0.00	0.00	0.01	-541.13
224+00.00	38.79	1.00	38.79	0.00	0.00	38.79	0.65	1.20	0.77	0.00	0.00	0.77	-503.12
224+03.71	4.18	1.00	4.18	0.00	0.00	4.18	0.09	1.20	0.11	0.00	0.00	0.11	-499.05
224+33.84	18.04	1.00	18.04	0.00	0.00	18.04	0.75	1.20	0.90	0.00	0.00	0.90	-481.91
224+44.06	0.05	1.00	0.05	0.00	0.00	0.05	0.41	1.20	0.49	0.00	0.00	0.49	-482.35

SD Highway 407

Station	Normal Cut	Factor	Adjusted Normal Cut	Adjusted Added Cut	Adjusted MDC Cut	Total Adjusted Station Cut	Normal Fill	Factor	Adjusted Normal Fill	Adjusted Added Fill	Adjusted MDC Fill	Total Adjusted Station Fill	Mass Ordinate
224+50.00	0.00	1.00	0.00	0.00	0.00	0.00	0.94	1.20	1.12	0.00	0.00	1.12	-483.48
225+00.00	0.05	1.00	0.05	0.00	0.00	0.05	60.10	1.20	72.13	0.00	0.00	72.13	-555.55
225+50.00	3.54	1.00	3.54	0.00	0.00	3.54	55.25	1.20	66.29	0.00	0.00	66.29	-618.31
226+00.00	8.82	1.00	8.82	0.00	0.00	8.82	1.97	1.20	2.36	0.00	0.00	2.36	-611.84
226+50.00	5.35	1.00	5.35	0.00	0.00	5.35	0.61	1.20	0.73	0.00	0.00	0.73	-607.23
227+00.00	0.02	1.00	0.02	0.00	0.00	0.02	0.27	1.20	0.33	0.00	0.00	0.33	-607.54
227+50.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	-607.54
228+00.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	-607.54
228+00.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	-607.54

SD Highway 407

Roadway Designer Component Quantities Report

Report Created: 8/1/2024
Time: 3:28pm

Corridor Name: North-South - Volumes

Alignment Name: Mainline - SD407-US18

Input Grid Factor: 1.000000

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

Station	Material	Component End Area Totals		Component Surface Area Totals		Unit Cost	Material Cost
		Area	Volume	Length	Area		
201+00.00	UndercutA:						
201+50.00	UndercutA:						
202+00.00	UndercutA:						
202+50.00	UndercutA:						
203+00.00	UndercutA:						
203+50.00	UndercutA:						
204+00.00	UndercutA:						
204+50.00	UndercutA:						
205+00.00	UndercutA:						
205+50.00	UndercutA:						
206+00.00	UndercutA:						
206+50.00	UndercutA:						
207+00.00	UndercutA:						
207+50.00	UndercutA:						
208+00.00	UndercutA:						
208+09.82	UndercutA:						
208+50.00	UndercutA:						
209+00.00							

SD Highway 407

Station	Material	Component End Area Totals		Component Surface Area Totals		Unit Cost	Material Cost
		Area	Volume	Length	Area		
	UndercutA:						
209+50.00	UndercutA:						
210+00.00	UndercutA:						
210+50.00	UndercutA:						
211+00.00	UndercutA:						
211+50.00	UndercutA:						
212+00.00	UndercutA:						
212+50.00	UndercutA:	22.33	20.68				
213+00.00	UndercutA:	44.34	61.73				
213+44.69	UndercutA:	32.90	63.91				
213+50.00	UndercutA:	32.88	6.47				
213+67.30	UndercutA:	44.18	24.69				
214+00.00	UndercutA:	32.75	46.59				
214+19.98	UndercutA:	32.71	24.22				
214+50.00	UndercutA:	43.98	42.64				
215+00.00	UndercutA:	81.01	115.74				
215+50.00	UndercutA:	91.26	159.52				
215+84.13	UndercutA:	91.28	115.36				
216+00.00	UndercutA:		26.83				
216+50.00	UndercutA:						
216+54.99	UndercutA:						

SD Highway 407

Station	Material	Component End Area Totals		Component Surface Area Totals		Unit Cost	Material Cost
		Area	Volume	Length	Area		
217+00.00	UndercutA:						
217+18.91	UndercutA:						
217+50.00	UndercutA:						
218+00.00	UndercutA:						
218+50.00	UndercutA:						
218+55.61	UndercutA:						
218+64.21	UndercutA:						
218+84.12	UndercutA:						
219+00.00	UndercutA:						
219+50.00	UndercutA:						
219+54.24	UndercutA:						
220+00.00	UndercutA:						
220+50.00	UndercutA:						
221+00.00	UndercutA:						
221+50.00	UndercutA:						
221+50.33	UndercutA:						
221+84.12	UndercutA:						
222+00.00	UndercutA:						
222+25.16	UndercutA:						
222+50.00	UndercutA:						

SD Highway 407

Station	Material	Component End Area Totals		Component Surface Area Totals		Unit Cost	Material Cost
		Area	Volume	Length	Area		
223+00.00	UndercutA:						
223+22.45	UndercutA:						
223+50.00	UndercutA:						
224+00.00	UndercutA:						
224+03.71	UndercutA:						
224+33.84	UndercutA:						
224+44.06	UndercutA:						
224+50.00	UndercutA:						
225+00.00	UndercutA:						
225+50.00	UndercutA:						
226+00.00	UndercutA:						
226+50.00	UndercutA:						
227+00.00	UndercutA:						
227+50.00	UndercutA:						
228+00.00	UndercutA:						
228+00.00	UndercutA:						
<hr/>							
Totals:	UndercutA:		708.37				Total Estimated Cost:

xr117 – Eastridge Rd/Cherokee Ave

xr117 - Eastridge Rd/Cherokee Ave

Earthwork Quantities Report

Report Created: 4/10/2024

Time: 3:57pm

Cross Section Set Name: xr117 - Volumes

Alignment Name: xr117

Input Grid Factor: 1.000000 All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Baseline Station	Cut Shrink/Swell Factor	Station Cut Area	Station Cut Volume	Adjusted Station Cut	Fill			----- Added Quantities -----					Mass Ordinate		
					Shrink/Swell Factor	Station Fill Area	Station Fill Volume	Adjusted Station Fill	Cut	Adjusted Cut	Fill	Adjusted Fill			
10+00.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Moisture & Density Control (unclassified):								0.00							
Moisture & Density Control:				0.00				0.00							
Station Total:				0.00				0.00		0.00		0.00		0.00	
10+50.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	-49.34	-49.34	0.00	0.00			
Moisture & Density Control (unclassified):								0.00							
Moisture & Density Control:				0.00				0.00							
Station Total:				0.00				0.00		-49.34		0.00		-49.34	
11+00.00	1.00	57.34	53.09	53.09	1.20	0.41	0.38	0.45	-49.34	-49.34	0.00	0.00			
Moisture & Density Control (unclassified):								17.04							
Moisture & Density Control:				85.19				85.19							
Station Total:				138.28				102.68		-49.34		0.00		-63.07	
11+50.00	1.00	45.35	95.09	95.09	1.20	4.31	4.37	5.24	-49.34	-49.34	0.00	0.00			
Moisture & Density Control (unclassified):								33.83							
Moisture & Density Control:				169.15				169.15							
Station Total:				264.23				208.22		-49.34		0.00		-56.39	
12+00.00	1.00	45.08	83.73	83.73	1.20	4.18	7.86	9.43	-49.34	-49.34	0.00	0.00			
Moisture & Density Control (unclassified):								33.59							
Moisture & Density Control:				167.93				167.93							
Station Total:				251.66				210.94		-49.34		0.00		-65.02	
12+50.00	1.00	52.93	90.75	90.75	1.20	0.00	3.87	4.65	-49.34	-49.34	0.00	0.00			
Moisture & Density Control (unclassified):								29.39							
Moisture & Density Control:				146.93				146.93							
Station Total:				237.67				180.96		-49.34		0.00		-57.64	
13+00.00	1.00	63.30	107.62	107.62	1.20	0.00	0.00	0.00	-49.34	-49.34	0.00	0.00			
Moisture & Density Control (unclassified):								24.44							
Moisture & Density Control:				122.22				122.22							
Station Total:				229.84				146.67		-49.34		0.00		-23.80	
Balance Point Station:				13+39.39											
Cut:				89.34	89.34				Fill:	3.91	4.70	-38.86	-38.86	0.00	0.00
Moisture & Density Control (unclassified):								-7.64							
Moisture & Density Control:				139.52				139.52							
Balance Point Total:				228.86				136.58		-38.86		0.00		0.00	
13+50.00	1.00	59.19	113.41	113.41	1.20	5.37	4.97	5.96	-49.34	-49.34	0.00	0.00			
Moisture & Density Control (unclassified):								27.90							
Moisture & Density Control:				139.52				139.52							
Station Total:				252.93				173.39		-49.34		0.00		6.41	

xr117 - Eastridge Rd/Cherokee Ave

Baseline Station	Cut Shrink/Swell Factor	Station Cut Area	Station Cut Volume	Adjusted Station Cut	Fill Shrink/Swell Factor	Station Fill Area	Station Fill Volume	Adjusted Station Fill	----- Added Quantities -----				Mass Ordinate	
									Cut	Adjusted Cut	Fill	Adjusted Fill		
14+00.00	1.00	45.70	97.12	97.12	1.20	1.53	6.39	7.66	-46.81	-46.81	2.53	3.04		
Moisture & Density Control (unclassified):									32.33					
Moisture & Density Control:									161.67					
Station Total:									258.79					
14+50.00	1.00	44.55	83.56	83.56	1.20	5.03	6.08	7.29	-49.34	-49.34	0.00	0.00		
Moisture & Density Control (unclassified):									33.92					
Moisture & Density Control:									169.61					
Station Total:									253.17					

Balance Point Station:				14+60.70										
			Cut:	8.82	8.82	Fill:		1.00	1.20	-10.56	-10.56	0.00	0.00	0.00
Moisture & Density Control (unclassified):									-65.55					
Moisture & Density Control:									88.19					
Balance Point Total:									97.02					

15+00.00	1.00	0.00	41.25	41.25	1.20	0.00	4.66	5.59	-49.34	-49.34	0.00	0.00		
Moisture & Density Control (unclassified):									17.64					
Moisture & Density Control:									88.19					
Station Total:									129.44					
15+50.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	-49.34	-49.34	0.00	0.00		
Moisture & Density Control (unclassified):									0.00					
Moisture & Density Control:									0.00					
Station Total:									0.00					

Grand Total:			765.62	2016.02			38.57	1546.77	-540.17	-540.17	2.53	3.04		

xr117 - Eastridge Rd/Cherokee Ave

End Area Volume Report

Report Created: 4/10/2024
Time: 3:57pm

Cross Section Set Name: xr117 - Volumes

Alignment Name: xr117

Input Grid Factor: 1.000000

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	
	----- Cut -----				----- Fill -----				----- Cut -----			----- Fill -----				
Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted			
10+00.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	
10+50.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	1.00	-49.34	-49.34	1.00	0.00	0.00	-49.34	
11+00.00	1.00	57.34	53.09	53.09	1.20	0.41	0.38	0.45	1.00	-49.34	-49.34	1.00	0.00	0.00	-63.07	
11+50.00	1.00	45.35	95.09	95.09	1.20	4.31	4.37	5.24	1.00	-49.34	-49.34	1.00	0.00	0.00	-56.39	
12+00.00	1.00	45.08	83.73	83.73	1.20	4.18	7.86	9.43	1.00	-49.34	-49.34	1.00	0.00	0.00	-65.02	
12+50.00	1.00	52.93	90.75	90.75	1.20	0.00	3.87	4.65	1.00	-49.34	-49.34	1.00	0.00	0.00	-57.64	
13+00.00	1.00	63.30	107.62	107.62	1.20	0.00	0.00	0.00	1.00	-49.34	-49.34	1.00	0.00	0.00	-23.80	

13+39.39															0.00	

13+50.00	1.00	59.19	113.41	113.41	1.20	5.37	4.97	5.96	1.00	-49.34	-49.34	1.00	0.00	0.00	6.41	
14+00.00	1.00	45.70	97.12	97.12	1.20	1.53	6.39	7.66	1.00	-46.81	-46.81	1.20	2.53	3.04	13.69	
14+50.00	1.00	44.55	83.56	83.56	1.20	5.03	6.08	7.29	1.00	-49.34	-49.34	1.00	0.00	0.00	6.70	

14+60.70															0.00	

15+00.00	1.00	0.00	41.25	41.25	1.20	0.00	4.66	5.59	1.00	-49.34	-49.34	1.00	0.00	0.00	-24.62	
15+50.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	1.00	-49.34	-49.34	1.00	0.00	0.00	-73.95	

Grand Total:			765.62	765.62			38.57	46.29			-540.17	-540.17			2.53	3.04

xr117 - Eastridge Rd/Cherokee Ave

Multiple Material Volumes Report

Report Created: 4/10/2024

Time: 3:58pm

Cross Section Set Name: xr117 - Volumes

Alignment Name: xr117

Input Grid Factor: 1.000000

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

Station	Normal Cut	Factor	Adjusted Normal Cut	Adjusted Added Cut	Adjusted MDC Cut	Total Adjusted Station Cut	Normal Fill	Factor	Adjusted Normal Fill	Adjusted Added Fill	Adjusted MDC Fill	Total Adjusted Station Fill	Mass Ordinate
10+00.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00
10+50.00	0.00	1.00	0.00	-49.34	0.00	-49.34	0.00	1.20	0.00	0.00	0.00	0.00	-49.34
11+00.00	53.09	1.00	53.09	-49.34	85.19	88.94	0.38	1.20	0.45	0.00	102.22	102.68	-63.07
11+50.00	95.09	1.00	95.09	-49.34	169.15	214.90	4.37	1.20	5.24	0.00	202.98	208.22	-56.39
12+00.00	83.73	1.00	83.73	-49.34	167.93	202.32	7.86	1.20	9.43	0.00	201.51	210.94	-65.02
12+50.00	90.75	1.00	90.75	-49.34	146.93	188.34	3.87	1.20	4.65	0.00	176.31	180.96	-57.64
13+00.00	107.62	1.00	107.62	-49.34	122.22	180.51	0.00	1.20	0.00	0.00	146.67	146.67	-23.80
13+50.00	113.41	1.00	113.41	-49.34	139.52	203.59	4.97	1.20	5.96	0.00	167.42	173.39	6.41
14+00.00	97.12	1.00	97.12	-46.81	161.67	211.98	6.39	1.20	7.66	3.04	194.01	204.71	13.69
14+50.00	83.56	1.00	83.56	-49.34	169.61	203.84	6.08	1.20	7.29	0.00	203.53	210.82	6.70
15+00.00	41.25	1.00	41.25	-49.34	88.19	80.11	4.66	1.20	5.59	0.00	105.83	111.42	-24.62
15+50.00	0.00	1.00	0.00	-49.34	0.00	-49.34	0.00	1.20	0.00	0.00	0.00	0.00	-73.95

xr117 - Eastridge Rd/Cherokee Ave

Roadway Designer Component Quantities Report

Report Created: 4/10/2024
Time: 3:58pm

Corridor Name: xr117 - Volumes

Alignment Name: xr117

Input Grid Factor: 1.000000

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

Station	Material	Component End Area Totals		Component Surface Area Totals			Material Cost
		Area	Volume	Length	Area	Unit Cost	
10+00.00	UndercutA:						
10+50.00	UndercutA:						
11+00.00	UndercutA:	92.00	85.19				
11+50.00	UndercutA:	90.68	169.15				
12+00.00	UndercutA:	90.68	167.93				
12+50.00	UndercutA:	68.00	146.93				
13+00.00	UndercutA:	64.00	122.22				
13+50.00	UndercutA:	86.68	139.52				
14+00.00	UndercutA:	87.93	161.67				
14+50.00	UndercutA:	95.25	169.61				
15+00.00	UndercutA:		88.19				
15+50.00	UndercutA:						
<hr/>							
Totals:	UndercutA:		1250.40				

Total Estimated Cost:

xr133 – Indian Health Rd/Tribal 93

Earthwork Quantities Report

Report Created: 4/10/2024
Time: 3:59pm

Cross Section Set Name: xr133 - Volumes

Alignment Name: xr133

Input Grid Factor: 1.000000 All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Baseline Station	Cut Shrink/Swell Factor	Station Cut Area	Station Cut Volume	Adjusted Station Cut	Fill Shrink/Swell Factor	Station Fill Area	Station Fill Volume	Adjusted Station Fill	----- Added Quantities -----				Mass Ordinate
									Cut	Adjusted Cut	Fill	Adjusted Fill	
22+00.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Moisture & Density Control (unclassified):									0.00				
Moisture & Density Control:									0.00				
Station Total:									0.00	0.00		0.00	0.00
22+50.00	1.00	346.40	320.74	320.74	1.20	0.00	0.00	0.00	-33.38	-33.38	0.00	0.00	
Moisture & Density Control (unclassified):									18.55				
Moisture & Density Control:									92.75				
Station Total:									413.50	111.30	-33.38	0.00	268.81
23+00.00	1.00	363.15	656.99	656.99	1.20	0.00	0.00	0.00	-33.38	-33.38	0.00	0.00	
Moisture & Density Control (unclassified):									37.10				
Moisture & Density Control:									185.51				
Station Total:									842.50	222.61	-33.38	0.00	855.32
23+50.00	1.00	305.82	619.42	619.42	1.20	0.00	0.00	0.00	-33.38	-33.38	0.00	0.00	
Moisture & Density Control (unclassified):									37.10				
Moisture & Density Control:									185.51				
Station Total:									804.93	222.61	-33.38	0.00	1404.26
24+00.00	1.00	345.04	602.66	602.66	1.20	0.00	0.00	0.00	-33.38	-33.38	0.00	0.00	
Moisture & Density Control (unclassified):									37.78				
Moisture & Density Control:									188.90				
Station Total:									791.56	226.68	-33.38	0.00	1935.76
24+50.00	1.00	302.29	599.38	599.38	1.20	0.00	0.00	0.00	-33.38	-33.38	0.00	0.00	
Moisture & Density Control (unclassified):									43.44				
Moisture & Density Control:									211.14				
Station Total:									810.53	254.58	-33.38	0.00	2458.33
25+00.00	1.00	189.55	395.28	395.28	1.20	0.00	0.00	0.00	-33.38	-33.38	0.00	0.00	
Moisture & Density Control (unclassified):									101.37				
Moisture & Density Control:									177.31				
Station Total:									572.59	278.68	-33.38	0.00	2718.86
25+50.00	1.00	170.80	333.65	333.65	1.20	38.04	35.22	42.27	-33.38	-33.38	0.00	0.00	
Moisture & Density Control (unclassified):									219.45				
Moisture & Density Control:									74.27				
Station Total:									407.93	335.99	-33.38	0.00	2757.42
26+00.00	1.00	0.00	158.14	158.14	1.20	0.00	35.22	42.27	-33.38	-33.38	0.00	0.00	
Moisture & Density Control (unclassified):									141.19				
Moisture & Density Control:									5.67				
Station Total:									163.81	189.13	-33.38	0.00	2698.72
26+50.00	1.00	0.95	0.88	0.88	1.20	19.04	17.63	21.16	-33.38	-33.38	0.00	0.00	
Moisture & Density Control (unclassified):									25.51				

xr133 - Indian Health Road/Tribal 93

Baseline Station	Cut Shrink/Swell Factor	Station Cut Area	Station Cut Volume	Adjusted Station Cut	Fill Shrink/Swell Factor	Station Fill Area	Station Fill Volume	Adjusted Station Fill	----- Added Quantities -----				Mass Ordinate	
									Cut	Adjusted Cut	Fill	Adjusted Fill		
				70.80				70.80						
				Moisture & Density Control:				70.80						
				Station Total:				117.47						2619.55
27+00.00	1.00	8.57	8.81	8.81	1.20	135.44	143.04	171.64	-33.38	-33.38	0.00	0.00		
				Moisture & Density Control (unclassified):				135.91						
				Moisture & Density Control:				71.70						
				Station Total:				379.26						2287.43
27+50.00	1.00	7.11	14.51	14.51	1.20	102.30	220.13	264.16	-33.38	-33.38	0.00	0.00		
				Moisture & Density Control (unclassified):				200.23						
				Moisture & Density Control:				22.38						
				Station Total:				486.77						1804.18
28+00.00	1.00	0.07	6.64	6.64	1.20	53.26	144.04	172.85	-33.38	-33.38	0.00	0.00		
				Moisture & Density Control (unclassified):				131.36						
				Moisture & Density Control:				91.25						
				Station Total:				395.46						1473.23
28+50.00	1.00	23.09	21.44	21.44	1.20	24.79	70.87	85.04	-33.38	-33.38	0.00	0.00		
				Moisture & Density Control (unclassified):				64.48						
				Moisture & Density Control:				158.13						
				Station Total:				307.65						1311.77
29+00.00	1.00	43.61	61.76	61.76	1.20	6.37	28.85	34.62	-33.38	-33.38	0.00	0.00		
				Moisture & Density Control (unclassified):				36.85						
				Moisture & Density Control:				156.79						
				Station Total:				228.26						1268.68
29+50.00	1.00	0.00	40.38	40.38	1.20	0.00	5.90	7.08	-33.38	-33.38	0.00	0.00		
				Moisture & Density Control (unclassified):				13.72						
				Moisture & Density Control:				68.61						
				Station Total:				89.41						1254.88
Grand Total:			3840.71	5601.43				700.90	3845.85	-500.70	-500.70	0.00	0.00	

End Area Volume Report

Report Created: 4/10/2024
Time: 3:59pm

Cross Section Set Name: xr133 - Volumes

Alignment Name: xr133

Input Grid Factor: 1.000000 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	Factor	Volume	Adjusted	Factor	Volume	Adjusted	
22+00.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
22+50.00	1.00	346.40	320.74	320.74	1.20	0.00	0.00	0.00	1.00	-33.38	-33.38	1.00	0.00	0.00	268.81
23+00.00	1.00	363.15	656.99	656.99	1.20	0.00	0.00	0.00	1.00	-33.38	-33.38	1.00	0.00	0.00	855.32
23+50.00	1.00	305.82	619.42	619.42	1.20	0.00	0.00	0.00	1.00	-33.38	-33.38	1.00	0.00	0.00	1404.26
24+00.00	1.00	345.04	602.66	602.66	1.20	0.00	0.00	0.00	1.00	-33.38	-33.38	1.00	0.00	0.00	1935.76
24+50.00	1.00	302.29	599.38	599.38	1.20	0.00	0.00	0.00	1.00	-33.38	-33.38	1.00	0.00	0.00	2458.33
25+00.00	1.00	189.55	395.28	395.28	1.20	0.00	0.00	0.00	1.00	-33.38	-33.38	1.00	0.00	0.00	2718.86
25+50.00	1.00	170.80	333.65	333.65	1.20	38.04	35.22	42.27	1.00	-33.38	-33.38	1.00	0.00	0.00	2757.42
26+00.00	1.00	0.00	158.14	158.14	1.20	0.00	35.22	42.27	1.00	-33.38	-33.38	1.00	0.00	0.00	2698.72
26+50.00	1.00	0.95	0.88	0.88	1.20	19.04	17.63	21.16	1.00	-33.38	-33.38	1.00	0.00	0.00	2619.55
27+00.00	1.00	8.57	8.81	8.81	1.20	135.44	143.04	171.64	1.00	-33.38	-33.38	1.00	0.00	0.00	2287.43
27+50.00	1.00	7.11	14.51	14.51	1.20	102.30	220.13	264.16	1.00	-33.38	-33.38	1.00	0.00	0.00	1804.18
28+00.00	1.00	0.07	6.64	6.64	1.20	53.26	144.04	172.85	1.00	-33.38	-33.38	1.00	0.00	0.00	1473.23
28+50.00	1.00	23.09	21.44	21.44	1.20	24.79	70.87	85.04	1.00	-33.38	-33.38	1.00	0.00	0.00	1311.77
29+00.00	1.00	43.61	61.76	61.76	1.20	6.37	28.85	34.62	1.00	-33.38	-33.38	1.00	0.00	0.00	1268.68
29+50.00	1.00	0.00	40.38	40.38	1.20	0.00	5.90	7.08	1.00	-33.38	-33.38	1.00	0.00	0.00	1254.88
Grand Total:			3840.71	3840.71			700.90	841.08		-500.70	-500.70		0.00	0.00	

Multiple Material Volumes Report

Report Created: 4/10/2024

Time: 4:00pm

Cross Section Set Name: xr133 - Volumes

Alignment Name: xr133

Input Grid Factor: 1.000000

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

Station	Normal Cut	Factor	Adjusted Normal Cut	Adjusted Added Cut	Adjusted MDC Cut	Total Adjusted Station Cut	Normal Fill	Factor	Adjusted Normal Fill	Adjusted Added Fill	Adjusted MDC Fill	Total Adjusted Station Fill	Mass Ordinate
22+00.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00
22+50.00	320.74	1.00	320.74	-33.38	92.75	380.12	0.00	1.20	0.00	0.00	111.30	111.30	268.81
23+00.00	656.99	1.00	656.99	-33.38	185.51	809.12	0.00	1.20	0.00	0.00	222.61	222.61	855.32
23+50.00	619.42	1.00	619.42	-33.38	185.51	771.55	0.00	1.20	0.00	0.00	222.61	222.61	1404.26
24+00.00	602.66	1.00	602.66	-33.38	188.90	758.18	0.00	1.20	0.00	0.00	226.68	226.68	1935.76
24+50.00	599.38	1.00	599.38	-33.38	211.14	777.15	0.00	1.20	0.00	0.00	254.58	254.58	2458.33
25+00.00	395.28	1.00	395.28	-33.38	177.31	539.21	0.00	1.20	0.00	0.00	278.68	278.68	2718.86
25+50.00	333.65	1.00	333.65	-33.38	74.27	374.55	35.22	1.20	42.27	0.00	293.72	335.99	2757.42
26+00.00	158.14	1.00	158.14	-33.38	5.67	130.43	35.22	1.20	42.27	0.00	146.86	189.13	2698.72
26+50.00	0.88	1.00	0.88	-33.38	70.80	38.30	17.63	1.20	21.16	0.00	96.31	117.47	2619.55
27+00.00	8.81	1.00	8.81	-33.38	71.70	47.13	143.04	1.20	171.64	0.00	207.62	379.26	2287.43
27+50.00	14.51	1.00	14.51	-33.38	22.38	3.52	220.13	1.20	264.16	0.00	222.61	486.77	1804.18
28+00.00	6.64	1.00	6.64	-33.38	91.25	64.51	144.04	1.20	172.85	0.00	222.61	395.46	1473.23
28+50.00	21.44	1.00	21.44	-33.38	158.13	146.19	70.87	1.20	85.04	0.00	222.61	307.65	1311.77
29+00.00	61.76	1.00	61.76	-33.38	156.79	185.17	28.85	1.20	34.62	0.00	193.64	228.26	1268.68
29+50.00	40.38	1.00	40.38	-33.38	68.61	75.61	5.90	1.20	7.08	0.00	82.33	89.41	1254.88

Roadway Designer Component Quantities Report

Report Created: 4/10/2024
Time: 4:00pm

Corridor Name: xr133 - Volumes

Alignment Name: xr133

Input Grid Factor: 1.000000

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

Station	Material	Component End Area Totals		Component Surface Area Totals			Material Cost
		Area	Volume	Length	Area	Unit Cost	
22+00.00	UndercutA:						
22+50.00	UndercutA:	100.17	92.75				
23+00.00	UndercutA:	100.17	185.51				
23+50.00	UndercutA:	100.17	185.51				
24+00.00	UndercutA:	103.84	188.90				
24+50.00	UndercutA:	125.28	212.15				
25+00.00	UndercutA:	132.17	232.23				
25+50.00	UndercutA:	132.17	244.77				
26+00.00	UndercutA:		122.38				
26+50.00	UndercutA:	86.68	80.26				
27+00.00	UndercutA:	100.17	173.01				
27+50.00	UndercutA:	100.17	185.51				
28+00.00	UndercutA:	100.17	185.51				
28+50.00	UndercutA:	100.17	185.51				
29+00.00	UndercutA:	74.10	161.37				
29+50.00	UndercutA:		68.61				

xr133 - Indian Health Road/Tribal 93

Station	Material	Component End Area Totals		Component Surface Area Totals			Material Cost
		Area	Volume	Length	Area	Unit Cost	
<hr/>							
Totals:	UndercutA:		2503.97				
							Total Estimated Cost:

US Highway 18 Right Turn Lane

US Highway 18 Right Turn Lane

Baseline Station	Cut Shrink/Swell Factor	Station Cut Area	Station Cut Volume	Adjusted Station Cut	Fill Shrink/Swell Factor	Station Fill Area	Station Fill Volume	Adjusted Station Fill	----- Added Quantities -----				Mass Ordinate	
									Cut	Adjusted Cut	Fill	Adjusted Fill		
								0.00						
				0.00				0.00						
				0.00				0.00		0.00		0.00		81.68
2+51.65	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
								0.00						
				0.00				0.00						
				0.00				0.00		0.00		0.00		81.68
Grand Total:			143.99	455.52			0.00	373.83	0.00	0.00	0.00	0.00		

US Highway 18 Right Turn Lane

End Area Volume Report

Report Created: 8/1/2024
Time: 3:12pm

Cross Section Set Name: TurnLane - Volumes

Alignment Name: Mainline - TurnLane

Input Grid Factor: 1.000000 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	----- Cut -----			----- Fill -----			Factor	----- Cut -----			----- Fill -----			
		Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted	
0+00.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
0+25.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
0+50.00	1.00	15.97	7.39	7.39	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	3.97
0+75.00	1.00	19.37	15.23	15.23	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	10.90
1+00.00	1.00	30.36	23.02	23.02	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	21.74
1+25.00	1.00	31.39	28.59	28.59	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	36.86
1+50.00	1.00	30.10	28.47	28.47	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	53.52
1+75.00	1.00	19.54	22.99	22.99	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	68.72
2+00.00	1.00	10.00	13.68	13.68	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	78.37
2+25.00	1.00	0.00	4.63	4.63	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	81.68
2+50.00	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	81.68
2+51.65	1.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	81.68
Grand Total:			143.99	143.99			0.00	0.00			0.00	0.00		0.00	

US Highway 18 Right Turn Lane

Multiple Material Volumes Report

Report Created: 8/1/2024
Time: 3:13pm

Cross Section Set Name: TurnLane - Volumes

Alignment Name: Mainline - TurnLane

Input Grid Factor: 1.000000

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

Station	Normal Cut	Factor	Adjusted Normal Cut	Adjusted Added Cut	Adjusted MDC Cut	Total Adjusted Station Cut	Normal Fill	Factor	Adjusted Normal Fill	Adjusted Added Fill	Adjusted MDC Fill	Total Adjusted Station Fill	Mass Ordinate
0+00.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00
0+25.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00
0+50.00	7.39	1.00	7.39	0.00	17.15	24.54	0.00	1.20	0.00	0.00	20.57	20.57	3.97
0+75.00	15.23	1.00	15.23	0.00	41.44	56.67	0.00	1.20	0.00	0.00	49.73	49.73	10.90
1+00.00	23.02	1.00	23.02	0.00	60.91	83.93	0.00	1.20	0.00	0.00	73.09	73.09	21.74
1+25.00	28.59	1.00	28.59	0.00	67.31	95.90	0.00	1.20	0.00	0.00	80.77	80.77	36.86
1+50.00	28.47	1.00	28.47	0.00	59.05	87.52	0.00	1.20	0.00	0.00	70.86	70.86	53.52
1+75.00	22.99	1.00	22.99	0.00	38.96	61.95	0.00	1.20	0.00	0.00	46.76	46.76	68.72
2+00.00	13.68	1.00	13.68	0.00	20.14	33.82	0.00	1.20	0.00	0.00	24.17	24.17	78.37
2+25.00	4.63	1.00	4.63	0.00	6.57	11.20	0.00	1.20	0.00	0.00	7.88	7.88	81.68
2+50.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	81.68
2+51.65	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	81.68

US Highway 18 Right Turn Lane

Roadway Designer Component Quantities Report

Report Created: 8/1/2024
Time: 3:13pm

Corridor Name: TurnLane - Volumes

Alignment Name: Mainline - TurnLane

Input Grid Factor: 1.000000

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

Station	Material	Component End Area Totals		Component Surface Area Totals			Unit Cost	Material Cost
		Area	Volume	Length	Area			
0+00.00	UndercutA:							
0+25.00	UndercutA:							
0+50.00	UndercutA:	37.03	17.15					
0+75.00	UndercutA:	58.89	41.44					
1+00.00	UndercutA:	72.68	60.91					
1+25.00	UndercutA:	72.71	67.31					
1+50.00	UndercutA:	54.83	59.05					
1+75.00	UndercutA:	29.33	38.96					
2+00.00	UndercutA:	14.18	20.14					
2+25.00	UndercutA:		6.57					
2+50.00	UndercutA:							
2+51.65	UndercutA:							
<hr/>								
Totals:	UndercutA:		311.53					
							Total Estimated Cost:	