Highway Design
CE 424

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Volumes Sheet

Cross-Section No	Cross-Section Km	Interval	Application Distance		Area		Volume		$1+\Theta_c$	Per. Swelling Cut	Volume Increment		Cumulative Volume
			L_l	L_r	Cut	Fill	Cut	Fill			Cut	Fill	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1 cm	2,5 cm	1 cm	2 cm	2 cm	2 cm	2 cm	2 cm	2 cm	1,5 cm	2 cm	2 cm	2 cm	3 cm

Volumes Sheet

Cross-Section No	Cross-Section Km	Interval	Application Distance		Area		Volume		$1+\Theta_c$	Per. Swelling Cut	Volume Increment		Cumulative Volume
			L_l	L_r	Cut	Fill	Cut	Fill			Cut	Fill	
A	0+000^{00}												
C		-											
										Total			

Volumes Sheet

Cross-Section No	Cross-Section Km	Interval	Application Distance		Area		Volume		$1+\Theta_S$	Per. Swelling Cut	Volume Increment		Cumulative Volume
			L_{cl}	L_{cr}	Cut	Fill	Cut	Fill			Cut	Fill	
A	0+000^{00}	50.00	25.00	1.12	3.234	1.240	**80.850**	**1.383**	1.08	**84.893**	**84.893**	**1.383**	**83.510**
1	0+050^{00}	50.00	50.00	0.00	26.553	0.000	**1327.650**	-	1.08	**1394.033**	**1394.033**	-	**1477.542**
2	0+100^{00}	5.70	27.85	0.00	59.269	0.000	**1650.642**	-	1.08	**1733.174**	**1733.174**	-	**3210.716**
K_1	0+105^{70}	19.30	12.50	0.00	60.871	0.000	**760.888**	-	1.08	**798.932**	**798.932**	-	**4009.649**
3	0+125^{00}	34.70	27.00	0.00	61.902	0.000	**1671.354**	-	1.08	**1754.922**	**1754.922**	-	**5764.570**
TS	0+159^{70}	40.50	37.60	0.00	67.340	0.000	**2531.984**	-	1.08	**2658.583**	**2658.583**	-	**8423.153**
4	0+200^{20}	25.00	32.75	0.00	64.027	0.000	**2096.884**	-	1.08	**2201.728**	**2201.728**	-	**10624.882**
PC	0+225^{20}	15.50	20.25	0.00	70.199	0.000	**1421.530**	-	1.08	**1492.607**	**1492.607**	-	**12117.488**
5	0+240^{70}	31.42	23.46	0.00	73.399	0.000	**1721.941**	-	1.08	**1808.038**	**1808.038**	-	**13925.526**
SC	0+272^{12}	40.50	35.96	0.00	66.106	0.000	**2377.172**	-	1.08	**2496.031**	**2496.031**	-	**16421.557**
B	0+312^{62}	40.50	40.50	0.00	28.014	0.000	**1134.567**	-	1.08	**1191.295**	**1191.295**	-	**17612.852**
CS	0+353^{12}	34.50	37.50	0.00	40.528	0.000	**1519.800**	-	1.08	**1595.790**	**1595.790**	-	**19208.642**
7	0+387^{62}	19.50	27.00	0.00	37.615	0.000	**1015.605**	-	1.08	**1066.385**	**1066.385**	-	**20275.027**
PT	0+407^{12}	19.69	19.60	0.00	60.871	0.000	**1192.767**	-	1.08	**1252.405**	**1252.405**	-	**21527.433**
8	0+426^{81}	40.50	30.10	0.00	33.261	0.000	**1000.990**	-	1.08	**1051.040**	**1051.040**	-	**22578.472**
ST	0+467^{31}	34.50	37.50	0.00	96.325	0.000	**3612.188**	-	1.08	**3792.797**	**3792.797**	-	**26371.270**
K_2	0+501^{81}	25.00	29.75	0.00	62.804	0.000	**1868.419**	-	1.08	**1961.840**	**1961.840**	-	**28333.110**
C	0+526^{81}	-	25.00	2.08	6.497	2.279	**162.425**	**4.732**	1.08	**170.546**	**170.546**	**4.732**	**28498.924**
										Total	**28505.039**	**6.115**	**28498.924**