



Given Information:

Axle Load = 89 kN

No. of Passes = 1000

Tire Pressure = 690 kPa

Rut Depth = 40 mm

Base CBR = 20 (min.)

	Soil CBR	Unreinforced Depth (mm)	Unreinforced Section Cost	RS380 <i>i</i>	RS380 <i>i</i> Section Cost	RS580 <i>i</i>	RS580 <i>i</i> Section Cost
Man sinks 25-75 mm	1.0	775	\$42.64	450	\$29.78	375	\$27.81
	1.5	650	\$35.76	350	\$24.28	225	\$19.55
Pick-up ruts 15-50 mm	2.0	575	\$31.63	300	\$21.53	175	\$16.80
	2.5	500	\$27.51	275	\$20.15	175	\$16.80
	3.0	450	\$24.76	250	\$18.78	150	\$15.43
			PER SQUARE METRE		PER SQUARE METRE		PER SQUARE METRE

Notes: All section costs include estimated installed geosynthetic costs, installed aggregate costs estimated at \$22/t and soil excavation and removal costs estimated at \$0.20/SM (per 25mm depth).

Aggregate In-Place Cost Conversion Chart

\$/TONNE	\$/CM	\$/SM-25mm	\$/TONNE	\$/CM	\$/SM-25mm
\$5.00	\$10.70	\$0.27	\$22.00	\$47.08	\$1.18
\$6.00	\$12.84	\$0.32	\$23.00	\$49.22	\$1.23
\$7.00	\$14.98	\$0.37	\$24.00	\$51.36	\$1.28
\$8.00	\$17.12	\$0.43	\$25.00	\$53.50	\$1.34
\$9.00	\$19.26	\$0.48	\$26.00	\$55.64	\$1.39
\$10.00	\$21.40	\$0.54	\$27.00	\$57.78	\$1.44
\$11.00	\$23.54	\$0.59	\$28.00	\$59.92	\$1.50
\$12.00	\$25.68	\$0.64	\$29.00	\$62.06	\$1.55
\$13.00	\$27.82	\$0.70	\$30.00	\$64.20	\$1.61
\$14.00	\$29.96	\$0.75	\$31.00	\$66.34	\$1.66
\$15.00	\$32.10	\$0.80	\$32.00	\$68.48	\$1.71
\$16.00	\$34.24	\$0.86	\$33.00	\$70.62	\$1.77
\$17.00	\$36.38	\$0.91	\$34.00	\$72.76	\$1.82
\$18.00	\$38.52	\$0.96	\$35.00	\$74.90	\$1.87
\$19.00	\$40.66	\$1.02	\$36.00	\$77.04	\$1.93
\$20.00	\$42.80	\$1.07	\$37.00	\$79.18	\$1.98
\$21.00	\$44.94	\$1.12	\$38.00	\$81.32	\$2.03

Aggregate Unit Weight = 2.14 tonne/m³