



**Given Information:**

Axle Load = 20 kips

No. of Passes = 1000

Tire Pressure = 100 psi

Rut Depth = 1.5 in.

Base CBR = 20

	Soil CBR	Unreinforced Depth (in)	Unreinforced Section Cost	RS380i	RS380i Section Cost	RS580i	RS580i Section Cost
Man sinks 1 - 3"	1.0	31	\$35.65	19	\$26.05	16	\$24.40
	1.5	26	\$29.90	14	\$20.30	9	\$16.35
Pick-up ruts 1/2 - 2"	2.0	23	\$26.45	12	\$18.00	7	\$14.05
	2.5	22	\$25.30	11	\$16.85	6	\$12.90
	3.0	21	\$24.15	9	\$14.55	6	\$12.90
			PER SQUARE YARD		PER SQUARE YARD		PER SQUARE YARD

Notes: All section costs include estimated installed geosynthetic costs, installed aggregate costs estimated at \$20/ton and soil excavation and removal costs estimated at \$0.15/SY-in.

### Aggregate In-Place Cost Conversion Chart

\$/TON	\$/CY	\$/SY-in	\$/TON	\$/CY	\$/SY-in
\$5.00	\$8.98	\$0.25	\$22.00	\$39.50	\$1.10
\$6.00	\$10.77	\$0.30	\$23.00	\$41.29	\$1.15
\$7.00	\$12.57	\$0.35	\$24.00	\$43.09	\$1.20
\$8.00	\$14.36	\$0.40	\$25.00	\$44.88	\$1.25
\$9.00	\$16.16	\$0.45	\$26.00	\$46.88	\$1.30
\$10.00	\$17.95	\$0.50	\$27.00	\$48.47	\$1.35
\$11.00	\$19.75	\$0.55	\$28.00	\$50.27	\$1.40
\$12.00	\$21.54	\$0.60	\$29.00	\$52.06	\$1.45
\$13.00	\$23.34	\$0.65	\$30.00	\$53.86	\$1.50
\$14.00	\$25.13	\$0.70	\$31.00	\$55.66	\$1.55
\$15.00	\$26.93	\$0.75	\$32.00	\$57.45	\$1.60
\$16.00	\$28.73	\$0.80	\$33.00	\$59.25	\$1.65
\$17.00	\$30.52	\$0.85	\$34.00	\$61.04	\$1.70
\$18.00	\$32.32	\$0.90	\$35.00	\$62.84	\$1.75
\$19.00	\$34.11	\$0.95	\$36.00	\$64.63	\$1.80
\$20.00	\$35.91	\$1.00	\$37.00	\$66.43	\$1.85
\$21.00	\$37.70	\$1.05	\$38.00	\$68.22	\$1.90

Aggregate Unit Weight = 133 pounds/cubic foot