




Observed Subgrade Condition		Subgrade Improvement Method			
Visual Subgrade Conditions	CBR Equivalent	Overexcavation	AASHTO M288 Class 1 Geotextile	BX Class 2 Geogrid	TX160 Geogrid
Below is the depth of cut/fill necessary for an improved subgrade condition					
Man Leaves 3" Footprint 	0.5% CBR	1050 mm (41 in.)	850 mm (35 in.)	750 mm (29 in.)	600 mm (24 in.)
Man Leaves 1" Footprint 	1% CBR	700 mm (28 in.)	550 mm (22 in.)	450 mm (17 in.)	300 mm (12 in.)
Pick-Up Truck Leaves 1" Tire Rut 	2% CBR	600 mm (23 in.)	450 mm (18 in.)	350 mm (13 in.)	200 mm (8 in.)

The conditions shown on this card are considered typical and should apply to many field situations, however, they may not be applicable to your specific situation. Tensor solutions applied in extremely wet or silty subgrade conditions should be confirmed with the local Tensor Distributor (or 800-TENSAR-1) before installing. Using dense graded aggregate (1.5" maximum diameter and smaller, well-graded) is recommended for best results.

What are your subgrade conditions?

Are you having to perform any undercut?

Do you have any pavement sections of 75mm (3") asphalt and 200mm (8") aggregate base or greater?

If yes, to any of these questions, please call:

800-TENSAR-1

Cost Conversion Card

Installed Aggregate Cost (\$/m²)

In-Place Cost of Aggregate Base (\$/tonne)

Compacted Aggregate Base Thickness (inches)		\$20.00	\$30.00	\$40.00
	25 mm	1.00	1.50	2.00
150 mm	6.00	9.00	12.00	
300 mm	12.00	18.00	24.00	

Assumed unit weight of aggregate: 60 kg/m³

HOW TO USE THIS CHART: If you have 300 mm of Aggregate and your installed cost is \$20/tonne, then a 10,000 square meter project will cost about \$120,000.

WHY IT MATTERS: If using TriAx Geogrid was able to reduce your base requirements to 150 mm, then your cost savings would be around \$60,000.