SOFT SOIL COUNTERMEASURE OPTIONS



| | Over-Excavation | Woven Fabric (Geotextile) | Chemical Treatment | BX Geogrid (BX 1200) | TriAx Geogrid (TX 160) |
|--------|---|---|---|---|---|
| Method | Remove existing soil and replace it with select fill. | Installing a layer of geotextile and placing a material (usually an aggregate) on top of it. | Chemically modifying the existing soil by adding lime or a similar product. | Installing a layer of BX geogrid and placing an aggregate fill material on top of it. | Installing a layer of TriAx geogrid and placing an aggregate fill material on top of it. |
| Pros | Tried and true method using conventional materials. | Provides separation to prevent pumping of subgrade soil into aggregate. | Effective on moderate to high plasticity clay soils. | Provides separation with well-graded aggregate and stabilizes more effectively than geotextile | Highest performing geosynthetic. Separates and stabilizes soil with least amount of aggregate. Proven to maintain performance long-term. |
| Cons | Depth of unsuitable material is unknown. How low do you go? | Greater thickness of aggregate required compared to geogrid. | Installation possible only in dry weather above 40 degrees F. Lengthy curing period required (3-7 days.) | Lower performance than TriAx Geogrid. | The TriAx Geogrid line item may cost more. But, the total solution costs (grid and aggregate) will be lower than with other geosynthetics. |
| How mu | Jch | | | | 8-8-19-0-8-C |



WHATEVER YOUR PROJECT, WE CAN HELP

Tensar International is a manufacturer of proven geosynthetic products and full provider of engineering services. Backed by extensive research and thoroughly tested, Tensar's world-renowned geogrid products have set the industry standard. We help engineers, contractors and owners use geogrid to achieve more cost-effective, reliable solutions for soil stabilization, earth reinforcement, and other site development challenges.

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