



CASE STUDY

Railbed Stabilization - Geocell



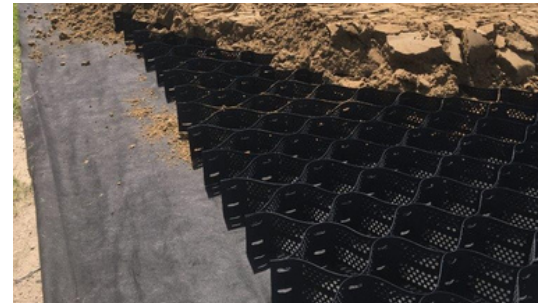
- ▼ **LOCATION:** Glenlea, Manitoba
- ▼ **PROJECT TYPE:** Product Supply & Engineer Consultation
- ▼ **PRODUCT USED:** Baselok GeoCell and Geotextile

▼ **PROBLEM:**

A G3 Grain Elevator site in Manitoba required further railbed stabilization. Repairs on the track a few years before were not holding up. The rail was experiencing subgrade failure, the ground was dropping out, and the customer needed a more efficient solution.

▼ **THE TITAN SOLUTION:**

Engineers at Titan knew the best solution for this project was BaseLok GeoCell however, another geocell product was in the running. With the customer's best interest in mind, Titan submitted a technical letter explaining the benefits of BaseLok GeoCell to the alternate geocell. BaseLok GeoCell's base material is HDPE with 100/years design life and widely used throughout the industry.



▼ **ACHIEVEMENT:**

The Railway design included two layers of custom-size geocell panels secured with cable locks and the cells filled with sub-ballast rock. Layers of geotextile helped with further reinforcement and meeting filtration requirements. Combined with the knowledge and experience provided by JKW Construction, BaseLok GeoCell allowed for an easy and quick install to restore the track servicing the grain elevator with minimal disruption.



Contact us for more information:

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