

Upper Harbour Highway, Auckland

Client

Works Infrastructure and Transit New Zealand.

Project

The Greenhithe section of the Upper Harbour Highway runs from Constellation Drive at the north eastern end to the Upper Harbour Bridge at the south western end. The project involves some high earth embankments (27 m) over soft ground, three interchange bridges and several MSE walls. A feature of the design is the range of special measures employed to enable construction with wet fill soils, including use of geo-grids, lime treatment and a specification to meet the design requirements.

Services provided

- Geotechnical assessment for tender
- Alternative earthworks design for successful tenderer
- Design of ground improvement with wick drains
- Specification of special measures for use of wet soils
- Construction observation and monitoring
- Stability of embankments.



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