



Baw Baw Shire Landslip Repairs

ROAD & LANDSLIP REMEDIATION

REF No. E/LR-1151V

Client: Baw Baw Shire Council
Location: Yarragon, VIC
Project: Yarragon-Leongatha Road

The terrain & geology around Baw Baw Shire is particularly prone to landslips and this became all the more apparent during the flooding in February 2011 which resulted in numerous landslips and road closures within councils road network.

Following an assessment by councils engineers and consultants the most critical sites were identified and tenders were called for interested contractors to submit schedule of rates for typical repair works.

These rates were then evaluated and a panel of selected contractors were invited to prepare Design & Construct solutions for a number of locations. EarthTEC was awarded 8 sites on the Yarragon-Leongatha Road, some of which were considered to be the most critical (Assessed Risk Ratings ARL1 or ARL 2) & challenging sites including Site No. 6 pictured above which comprised a 90m long 7m deep landslip.

Concept Designs were prepared and costed for councils approval & once the necessary funding had been confirmed work commenced on the detailed designs. EarthTEC engaged SMEC Urban to assist with detailed geotechnical modelling of each site to

“SMEC Urbans’ engineer was impressed with the results of the innovative top down construction method”

provide the necessary design information and confirm the stability of the proposed concepts. Work commenced in late November and Site 6 was completed before the Xmas break. However, due to adverse weather conditions through January & February work had to be temporarily suspended before the final site was considered safe to access for construction to continue. The solutions adopted included soil nailing and an innovative top-down

construction process incorporating a weldmesh gabion type facing which in conjunction with the soil nails provided temporary stability to the road formation during construction as well as being an integral part of the completed structure. We believe this to be the

first time this innovative construction method has been used both EarthTEC and SMEC’s engineer were impressed with the results. Please contact our office to meet an EarthTEC representative to discuss your project:

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