



Old Grafton Road gets Landslip Repairs

ROAD WORKS

REF No. E/RW-997N

Client: Glen Innes Severn Council
Location: Glen Innes, NSW
Project: Old Grafton Road via Gwydir Hwy

Following serious flooding in mid 2009 a series of landslips occurred on Old Grafton Road near the intersection with the Gwydir Highway at Glen Innes.

A Design & Construct Tender brief for 4 landslip sites was prepared & issued by council. However, before the pre-tender site meeting a second flood event in January 2011 caused further damage & an additional 4 locations were added to the project scope. The flood damage comprised low side landslips extending up to 8m below road level & between 12-70m long. The largest two were close to Leather Jacket Creek and had reduced the road to single lane traffic.

Like all landslip sites each is a unique combination of a variety of factors including, geometry, geology, locality and time to construct. Accordingly, each site required a comprehensive assessment and a site specific solution to provide council with the best

technical and most cost effective solution.

The tender called for *“contractors to propose innovative solutions that achieve the objectives of the repair works in an economical yet durable manner”*.

This brief provided Earthtec with a broad range of possible solutions which were evaluated for both technical & economical suitability before the Tender Concepts were finalised. Earthtec’s approach satisfied council’s requirements & work commenced on the detailed design to fine tune the concepts & provide the necessary details for construction.

Ultimately, a range of final designs including soil nailing, structural shot-

crete, gabions, mechanically stabilised earth slopes (MSE) also known as reinforced earth & rip-rap protection were constructed.

Due to the limited space, where possible work was constructed from low side platforms which minimised the

“propose innovative solutions that meet the objectives...in a durable & economical manner”

Councils’ Tender Brief

disruption to traffic so that the road remained open throughout the construction process.

Contact our Sydney office to meet with an EarthTEC representative to discuss your project:

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