



ROCKFALL PROTECTION

REF No. E/RP-945N

Client: Transfield Road Services
Location: Bells Line of Road, Kurrajong, NSW
Project: Construction of rockfall protection fence

Bell's Line of Road west of Sydney is an important westbound alternative to the Great Western Highway which links Sydney with the Blue Mountains and communities beyond.

Significant sections of the road are built in cut with rockfalls becoming more common and presenting an unacceptable hazard to motorists.

As part of a risk minimisation project executed by RTA, a rockfall fall fence was designed and Transfield Road Services, RTA's road maintenance contractor, engaged EarthTEC to assist with installation.

The rockfall design modeling determined that the fences would be most effective if located 30m above the road. This meant that the work had to be done by hand using industrial rope access techniques.

EarthTEC's accredited rope access technicians installed a total of 1,200 sq.m of Maccaferri DT Rockfall mesh

reinforced with steel wire ropes, connecting the elements to the UC Steel section fence posts.

Since completion the fence has been subjected to a number of rockfalls and has performed extremely well. The rockfall was contained and there was no damage to the fence or posts.

“EarthTEC’s professional commitment to quality, safety, environmental management and productivity... contributed highly to the successful procurement of this project.”

Wayne Pearce, Network Supt., Roads & Bridges, Transfield Services

EarthTEC has successfully completed two similar projects for the RTA, including a further major installation for the RTA at Roseville Bridge on the Warringah Road, and a four lane arterial route on Sydney's northern beaches - a particularly challenging job as the work had to be completed at night under lights making the height access work even more difficult.

Please contact our Sydney head office to meet with an EarthTEC representative in your state to discuss your project:

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