



## NERANG TUNNEL CONTACT & BACKFILL INJECTION GROUTING

NERANG, QUEENSLAND



## CONTACT GROUTING THROUGH ENTIRE LENGTH OF TUNNEL

### PROJECT OVERVIEW:

Thiess constructed the grout flow barrier rings in Nerang Tunnel and contracted Geovert to complete the contact grouting which commenced at one end of the tunnel continuing progressively along the entire length.

### SOLUTION:

Initially, caps were installed on all grout ports within an isolated section of lining to ensure injected grout couldn't run from neighbouring grout ports. Grouting was carried out in a specific sequence ensuring the effective filling of voids behind the tunnel lining and commenced on the lowest grout ports of all the rings located within an isolated section. This process continued to higher grout ports in each ring until finally the highest grout ports were the last to be grouted in each isolated section effectively sealing the tunnel. Grout design & testing was completed prior to commencing the production works.

**Services related to this project**  
Injection Grouting

More information is available online at [www.geovert.com](http://www.geovert.com)