

Northern Gateway Toll Road



Location	Auckland, New Zealand
Client	New Zealand Transport Agency
Contract	Alliance
Total Cost	\$360m
Duration	December 2004 to January 2009



The Northern Gateway Alliance (NGA) was formed in March 2004 to design and construct the Northern Gateway Toll Road, an extension of the Northern Motorway between Orewa and Puhoi, 30 kilometres north of Auckland. The 7.5 kilometre route improves access and provides a safer, more direct journey for travellers between Auckland and Northland. The road opened ahead of schedule on 25 January 2009.

The toll road passes through a historically rich and diverse landscape containing steep topography, large tracts of native bush, regionally significant streams and estuaries, and areas of pastoral farmland, making it one of New Zealand's largest and most challenging roading projects. The NGA embraced the opportunities presented within this complex setting to realise its vision of creating a visual showcase of environmental and engineering excellence.

Six alliance partners including Leighton Contractors and two sub-alliance partners made up the alliance with each member playing a critical role in ensuring the project was innovative, efficient, and cost-effective.

The Northern Gateway Toll Road was the New Zealand Transport Agency's largest capital project. It was also the first State Highway to be progressed by tolling, the first construction project to report against triple bottom line measures, and the first roading project in New Zealand to actively work on reducing its carbon footprint.

Key Facts:

- 7.5 kilometres of road
- Twin tunnels through Johnstone's Hill
- Six bridges (totalling 1.1 kilometres)
- A 520 metre long, 30 metre tall bridge over the Waiwera estuary (balanced cantilever construction)
- Eco-viaducts at Otanerua and Nukumea
- A local road overbridge at Hillcrest
- Retaining walls to 20 metres high
- Five major culverts
- More than 4 million cubic metres of earthworks.