

1

Atiamuri Bridge Replacement

This \$24 million project replaced the previous Atiamuri Bridge (between Taupo and Tokoroa) with a wider, stronger structure. This also allowed a realignment of SH1. These two measures improved road safety and ensured route security. The new bridge now supports economic development and productivity by helping move freight more efficiently. The SH1 Atiamuri Bridge is part of a significant freight route with high volumes of heavy vehicles.

The new bridge was built about 75m upstream of the previous bridge. It provides a wider carriageway of two 3.5m lanes and shoulders between 1.5m and 3.5m. It also includes facilities for pedestrians and cyclists. The road realignment in the project included a new northbound passing lane. This lane removed several low speed curves and upgraded the intersection to SH30.

Key facts

- Upgraded SH1/30 intersection
- Bridge includes a wide footpath for shared walking and cycling
- New northbound passing lane starting at the intersection with SH30
- Carpark facilities to promote walking and cycling on the Waikato river trails
- Areas planted with New Zealand natives
- Construction got under way in early November 2011 and was completed in March 2013
- View the online webcam - www.nzta.govt.nz/atiamuri-bridge



1

Atiamuri Bridge replacement project

Scope of work

- Replacement of the SH1 Waikato River Bridge at Atiamuri
- SH1 realigned to the new bridge location
- SH30 extended to meet the realigned SH1
- New northbound passing lane created between SH30 and Hatu Patu's rock
- Road repairs carried out to the existing pavement along the length of the passing lane
- A shared pedestrian/cycle path created on the new bridge
- A shared pedestrian/cycle path crossing created to connect SH1 to the Waikato River Trails
- Deconstruction of the previous bridge



Earthworks facts

- 300,000 cubic metres of earthworks shifted
- 10,000 square metres of biodegradable coconut matting was temporarily laid to minimise erosion
- Pine tree mulch was created from a cleared plantation pine forest. The mulch was used in alternate layers with construction site waste material to restore the forest area and increase soil fertility
- Five sediment ponds were created to protect waterways from sediment runoff during the project
- August 2012 - received the 'Innovative Practice' award from Waikato Regional Council for achieving a high quality of erosion and sediment control on earthworks



Drainage facts

- 1200 metres of stormwater drainage pipes
- 50 new drainage structures (manholes, catchpits, headwalls)
- 3500 metres of pavement drains

Road construction facts

- 24,000 tonnes of pavement aggregate concrete
- 30,000 square metres of chipseal surfacing
- 330,000 litres of bitumen

Bridge construction facts

- 380 tonnes of structural bridge steel
- 320 tonnes of reinforcing steel
- 1200 cubic metres of concrete



Landscaping facts

- 6000 new native plants planted
- A new landscaped rest area created next to SH30 to provide access to the Waikato River and Waikato River Trails

Miscellaneous facts

- Construction involved more than 100,000 labour hours
- 1800m of guardrail was installed
- 350,000 litres of diesel used by project vehicles and equipment
- On-site webcam viewable at: www.nzta.govt.nz/atiamuri-bridge

