

Waikato Expressway (New Zealand)



Project description

The 16 km-long Cambridge section of the Waikato Expressway passes to the north and east of Cambridge. It will connect with the existing Tamahere interchange to the north and with the existing SH1 to the south of Cambridge town.

Within the Cambridge area, interchanges will be provided at Discombe Road, at the existing SH1B and Victoria Road and at the south end of the section, where the Expressway will link with the existing SH1, just south of Cambridge Golf Club.

mageba scope

mageba supplied both RESTON®POT bearings and LASTO®BLOCK elastomeric bearings for the Waikato Expressway Cambridge section.

The LASTO®BLOCK elastomeric bearings are produced from natural Rubber (NR) and are reinforced with steel plates.

The RESTON®POT bearings with uplift restraints installed have a maximal load carrying capacity of 5,500 kN. Both the LASTO®BLOCK elastomeric bearings and the RESTON®POT bearings are designed and manufactured in accordance with EN 1337 and AS5100.4 and NZTA bridge manual.

Highlights & facts

mageba products:

Type: RESTON®POT bearings
LASTO®BLOCK elastomeric bearings
Features: Uplift resistant
Installation: 2014

Structure:

Location: Victoria Rd, Southern and Northern Interchange, Pickering Rd Overpass
Country: New Zealand
Construction: 2013–2017
Type: Roadway
Builder: HEB Construciton

Location of the north/south connection of Cambridge on the North Island of New Zealand



LASTO®BLOCK elastomeric bearing - AS5100.4 and NZTA manual compliant



Illustration (exploded view) of a RESTON®POT bearing of the guided sliding type

