

PUKETAHA ROAD BRIDGE

WHERE IS THE BRIDGE LOCATED?

The bridge will cross over Puketaha Rd 1.2km east of the Gordonton Road intersection.

WHEN ARE WE BUILDING IT?

In Nov 2017 the excavation of a 2m cut below ground level is due to start.

Construction of the bridge is due to be completed during October 2018.

HOW ARE WE BUILDING IT?

An initial 2m cut below ground level will be made and filled with stone chip. This helps to form stable platforms for the abutments to be constructed on. The ground under the bridge abutments at each end, will be strengthened to protect the bridge from damage caused by liquefaction of soils during an earthquake.

This involves drilling deep holes in the ground and backfilling them with concrete - to create concrete piles underground.

Lines of underground piles are created to form a lattice formation that holds the ground in place to prevent liquefaction. The bridge abutments that support the bridge on either side are made from mechanically stabilised earth (MSE) walls. These are formed from layers of compacted sand, each layer reinforced with geotextile material. This forms a strong, earthquake resistant structure. The abutment walls are finished with interlocking concrete panels. Beams are installed from ground level, being lifted into place on the bank seats by crane. The bank seat is made of reinforced concrete that sits on top of the abutments. Once the beams are in place they are secured to the bank seat with reinforced steel. The settlement slab is installed on top of the beams making the bridge ready for the reinforced concrete deck to be poured. Barriers and top rails are installed and bitumen laid.

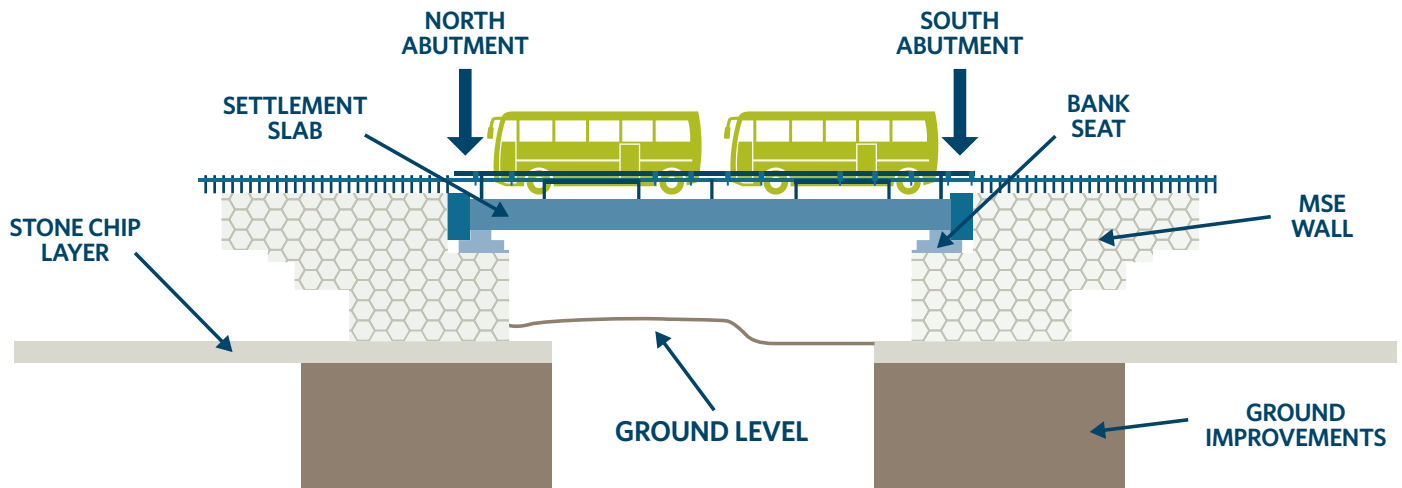
HOW WILL CONSTRUCTION AFFECT YOU?

A two-way sealed diversion will be in place while construction is under way. Local residents can expect to have more construction traffic on the road.

A 60km/h speed limit will be in effect during construction.

WHAT IS SPECIAL ABOUT THIS BRIDGE?

It is one of the few bridges which takes expressway traffic over local roads. Most bridges we are building take local traffic over the expressway.



This diagram shows the different construction areas of the bridge.

If you have concerns about noise levels, vibration or dust please contact us immediately.



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