

MANGAONE STREAM BRIDGE

WHERE IS THE BRIDGE LOCATED?

It is located in the Mangaone stream gully east of SH1 and Cambridge Road in Tamahere.

WHEN ARE WE BUILDING IT?

Enabling works and piling began in July /August 2017. Construction of the bridge is due to be completed in February 2019.

HOW ARE WE BUILDING IT?

In late July 2017 the clearing of vegetation and the ground preparation were completed.

A temporary stream diversion will be created while construction of the bridge is taking place.

The piling process begins with the creation of pile platforms on either side of the bridge, then steel pile casings are driven into the ground up to 37m using a 10 tonne weight suspended from a crane. Cages of reinforcing steel are lowered inside and the casings filled with concrete to create the foundations for the bridge abutments and piers.

The centre columns that support the bridge are constructed using reinforced steel and concrete. The crossheads which support the beams are then placed on top of the columns and connected. Then the 30m Super-T beams are installed on top of the crosshead and secured. The next process is pouring the concrete deck on top of the beams, sealing and fitting the bridge barriers and road marking.

The final step is to reinstate the permanent stream course by disassembling the stream diversion.

HOW WILL CONSTRUCTION AFFECT YOU?

For residents bridge construction will generate some noise and vibration, and extra traffic on local roads.

WHAT IS SPECIAL ABOUT THIS BRIDGE?

The bridge is curved. A temporary stream diversion is required to enable works to progress at the north side.



Piling crane in place ready to start

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



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MANAGING WIND-BLOWN DUST