



Tauranga Eastern Link

Construction update

Issue 9 May 2012

Progress to date



Maranui Drain culvert at the Mangatawa Interchange

Construction underway on the first of 73 permanent culverts

The first permanent culvert on the TEL, (80 metres long x 2.1 metres high) the Maranui Drain culvert at the Mangatawa interchange, is now in place, awaiting completion of the inlet and outlet structures. Construction has commenced in Zone C on an even longer culvert (99 metres), and ground improvements are underway at one of three large mowing boat culvert sites in the Pah Road area. The mowing boat culverts will be up to 94.5 metres long x 5.6 metres wide x 3.5 metres high and designed to allow a special boat that clears drains, to travel through the existing drainage system. All culverts will be concrete construction, except for two mowing boat culverts, which will be sheet piled.

Some culvert facts:

Zone A:	22 culverts
Zone B:	29 culverts
Zone C:	22 culverts
Longest:	133 metres
Shortest:	14 metres
Smallest (diameter)	375 millimetres
Largest (diameter)	3.5 metres



Left:
The Zone C,
99 metre x 1350
millimetre
culvert under
construction



Foundation fill grows between Bruce Road and Domain Road

Motorists travelling along State Highway 2 may have noticed the height of the foundation fill reaching the level of the concrete protection barriers. Over 32,000m³ of material has been placed to date, with another 100,000m³ of foundation fill and pre-load material yet to be placed.

In some areas the finished height will be up to four metres, however this may not be as noticeable due to the settlement which will occur to the ground below.

Three mechanically stabilised earth (MSE) walls completed

Both Kaituna River bridge MSE walls for the abutments are now complete, and will settle for a period of up to nine months.

The Maketu Road bridge southern MSE wall has also been completed but doesn't require settlement as it is constructed on Tehpra (a volcanic ash material).



The Maketu Road bridge southern MSE wall



Forward programme for May

Zone A — Te Maunga to Domain Road

Installation of the extensive stormwater system continues throughout Zone A.

Key activities this month will include:

- Vegetation clearing and installation of a temporary safety barrier between State Highway 2 and the old railway yard area.
- Mangatawa interchange—placement of material continues for the MSE wall and the Truman Lane embankment.
- Delivery and placement of fill material between Mangatawa interchange and Bruce Road and continuing between Bruce Road and Domain Road.
- Relocation of the sewer line at Bruce Road.

Traffic management

Domain Road

- 50km/h temporary speed restriction.
- State Highway 2 slip lane to Tauranga closed with traffic diverted via the Domain Road roundabout.

State Highway 2

- An 80km/h temporary speed restriction from Te Maunga to Domain Road.
- Bruce Road left turn in and left turn out only.

Zone B — Domain Road to Kaituna River

Finish completed batter slopes and swales in the 'sand cut' area with topsoil.

Key activities this month will include:

- Placement of material between Parton Road and Domain Road, for the main alignment embankments.
- Laying of topsoil on batter slopes and drainage swales.
- Delivery and placement of fill material for a future temporary diversion on Parton Road.
- Continuation of the piling operation on the western side of the Kaituna River at Pier B.
- Material will be removed from the Kaituna River bridge Pier C coffer dam in preparation for the piling operation.

Traffic management

Bell Road

- 50km/h temporary speed restriction, with TEL construction traffic required to give way to all Bell Road traffic.

Parton Road

- 30km/h temporary speed restriction.
- Manual stop/go (as required) with minimal delays expected.

Forward programme for May cont..



Kaituna River bridge abutments and Pier B piling operation

Zone B earthworks in the sand cut area



Zone C — Kaituna River to Paengaroa

The first stage of construction on the East Coast Main Trunk (ECMT) rail bridge is underway on the northern side.

Key activities this month will include the continuation of:

- ECMT bridge piling operation.
- Placement of material to construct a haul road to the ECMT rail bridge at Paengaroa.
- Construction of the Maketu Road bridge northern MSE wall.
- Earthworks continues in the tephra cut area to deliver material for the main alignment embankment shoulders.

And the commencement of the:

- Placement of material between Maketu Road and Te Tumu Road for the Maketu Road bridge northern embankment.
- Stone columns trials being conducted at one Pah Road mowing boat culvert in preparation for the stone column construction operation.

Traffic management

Pah Road

- Two 50km/h temporary speed restrictions.



Zone C tephra cut earthworks