

National War Memorial Park and Underpass

Milestone reached with first pour of the roof span



Friday 28 March 2014: First pour of the roof span

Neighbours please note: The planned early Saturday morning pour has been cancelled. Early morning pours will take place during the first half of next week.

The first pour of the concrete roof span for the underpass is also the first pour of the base of the National War Memorial Park.

A significant milestone for the park occurred on Friday 28 March with the pouring of the first concrete roof span for the underpass.

Memorial Park is rapidly taking shape for the planned October opening of the underpass to traffic and the Anzac Day 2015 opening of the park for the nation to share.

The first pour that took place on Friday was originally scheduled for Tuesday. This is an example of the team taking every opportunity to advance the work in order to stay on top of the challenging programme and meet the tight deadlines.

Statistics for the first roof span:

- 14.5m wide, 10m long and 0.8m deep = 116 cubic metres
- Containing 300 tonnes of concrete.

A benefit of pouring the roof slab, rather than placing a pre-formed slab across the gap, is that the strength of the underpass tunnel can be increased.

The steel reinforcing in the walls and the roof can be linked to create a more resilient tunnel able to resist a 1-in-2500 year earthquake.

It's a steel maze, but our guys know their way around it



A

Reinforcing for the concrete walls.

60% of the walls have been completed.

B

The support structure (falsework) for the first roof span – timber scaffolding with a plywood deck supported on steel legs. Steel reinforcing for Friday's concrete pour was installed after this photo was taken. The falsework will be removed next week after the concrete has cured sufficiently.

The first roof span:

- 14.5m wide, 10m long and 0.8m deep – 116 cubic metres
- Containing 300 tonnes of concrete.

C

Steel reinforcing for the next concrete floor slab pour.

Concreting of the tunnel floor section of the underpass is complete – 130m in length.

Contact us

Strengthened crèche waiting for a ride



13 March 2014: The stripped-down and strengthened Home of Compassion Crèche awaits construction of the rail system to move it back into the site, the first of three moves to relocate it within the Memorial Park.

The Home of Compassion Crèche has been stripped down and strengthened so it can be relocated 15m to become part of the National War Memorial Park.

The move will be done in three phases using hydraulic pullers and lifters. The first phase will see the house moving on rails to the back of the site, probably in late May.

In the following month, the house will be hydraulically lifted 3m in the air and moved over to a position on higher ground. Another rail system will be built to move it to its final location in front of Te Papa Archives building.

The Alliance will then restore the crèche's exterior. The house will be strengthened to earthquake standard, including isolating the base.

Protecting

- Heritage materials, such as the veranda and matai floorboards, have been removed and stored for later use.
- A specialist contractor has removed lead paint and asbestos. Both materials are often found in old houses.

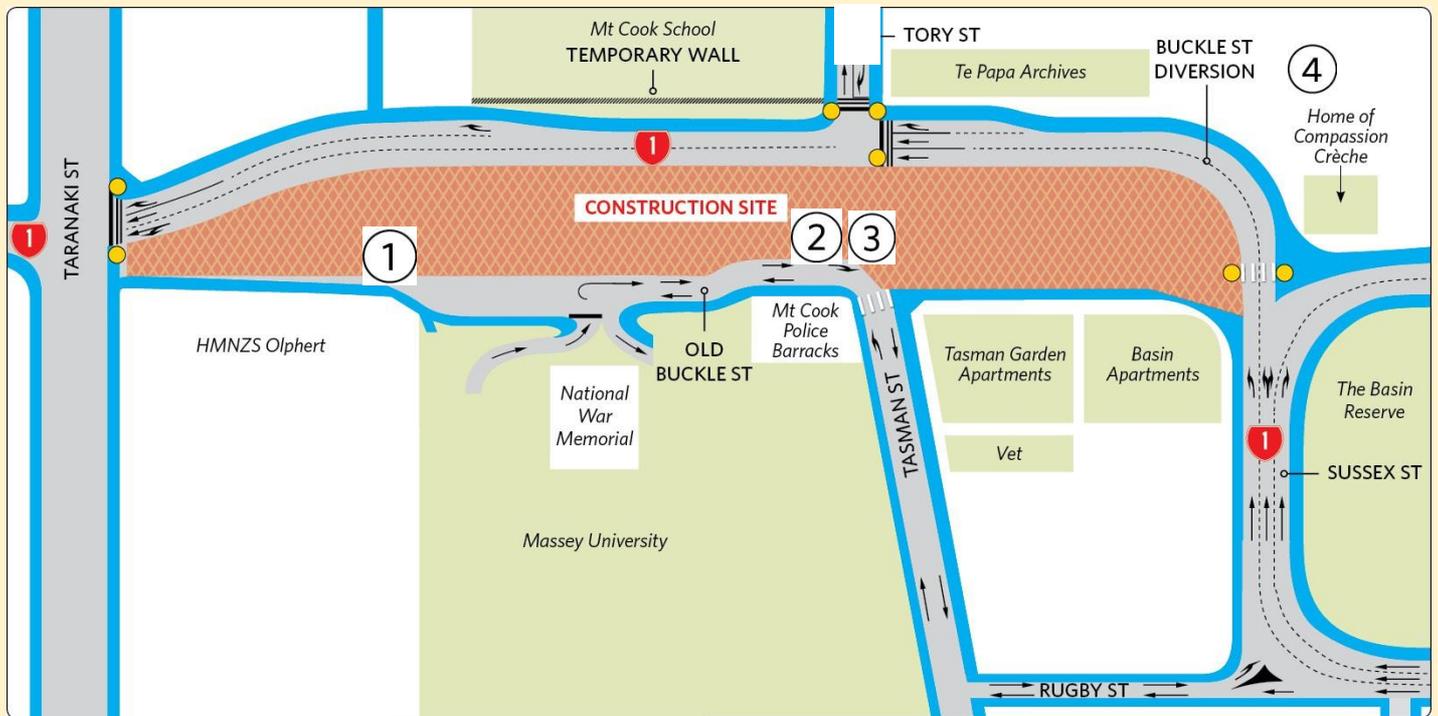
Strengthening

- Strengthening work includes fibre-reinforced plastic glued to internal walls, metal ties through the wall cavities, timber bracing for the roof and steel beams to brace the floor.
- On the outside, concrete beams have been clamped round the foundations.

For more detail on the crèche relocation, please visit the Memorial Park Publications page on the NZTA website www.nzta.govt.nz/memorial-park where there are several crèche documents listed under Plans and Certification. Link: <http://www.nzta.govt.nz/projects/memorial-park/docs/crhm-plan-1-7.pdf>

Contact us

What's happening around the project site



① NEW: Concreting – roof span, west site

- Fri 28 March (completed)
- **The planned early pour for Saturday has been cancelled.**
- Early morning pours are planned for the first half of next week. Trucks arrive from 4.00am.

Between now and the end of June we will be making early pours – frequency to be advised.

② Early morning concreting – floor slabs, east site

- Trucks arrive from 4.00am, generally Tues and Fri
- Generally 2 per week, early morning starts for the 800mm thick concrete floor slab to be poured in 10m long sections.

Early starts = cooler temperatures and reduced traffic delays for concrete trucks = smooth succession of pours and slower curing of concrete = a structurally strong concrete slab.

③ Daytime concreting – wall slabs, east site

- Daily during normal site work hours

④ Home of Compassion Crèche

- **Ground strengthening behind the crèche**
We will be working on Saturday and maintaining machinery on Sunday. This work is due for completion next week.
- **Preparing crèche for relocation**
First move likely late May, second and third in June and July.

One-way system

- **Corner Tasman St and Buckle St service lane**
Please take care when using the one-way road to access Entrance D Massey University and the National War Memorial.
A traffic supervisor is managing traffic at the corner until the lights at Entrance D are working again.

General site work hours

Mon – Fri: 6.00am–7.00pm Noisy work after 7.00am
Sat: 7.00am – 7.00pm Noisy work after 8.00am
Early morning concrete pours are necessary for floor and roof slabs.

We try to give our neighbours a timely warning of activities they may find disruptive. However, some activities may occur at short notice as the work programme is adapted to optimise progress.

Contact us