



Tiverton-Wolverton Upgrade

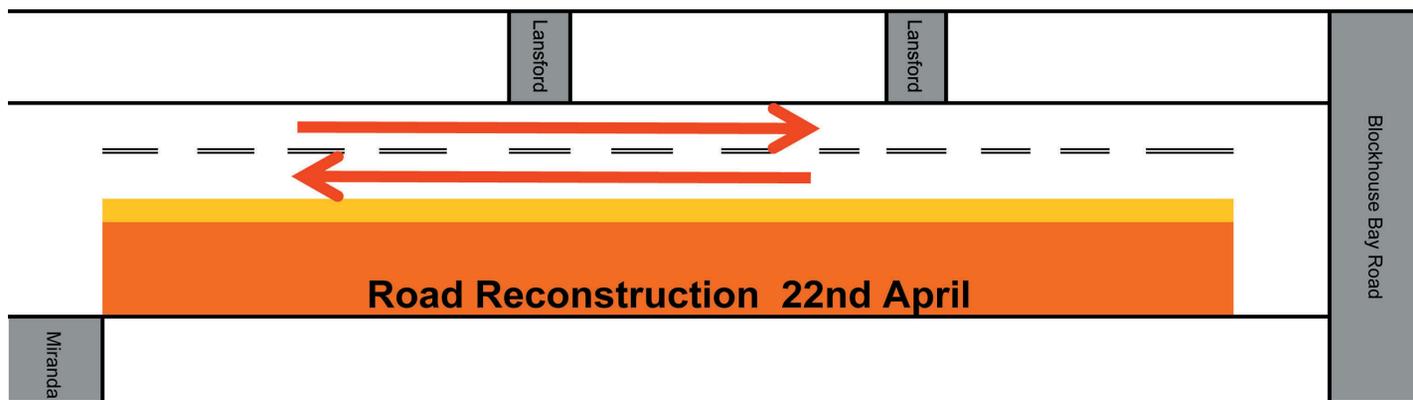
Construction Update 8.4.13

0800 DOWNER (0800 369 637)

Road Reconstruction - Wolverton Street:

From 22 April, we will begin the first section of road reconstruction, starting with the southern side of Wolverton Street. The traffic will be shifted to a narrower temporary alignment and continue to flow in both directions (as pictured below).

Access to residential properties between Blockhouse Bay Road roundabout and Miranda Street will be dramatically effected for approximately three weeks while this work is underway. Once this side has been constructed, the traffic will be shifted onto the new surface and work will begin on the northern side in the same fashion.



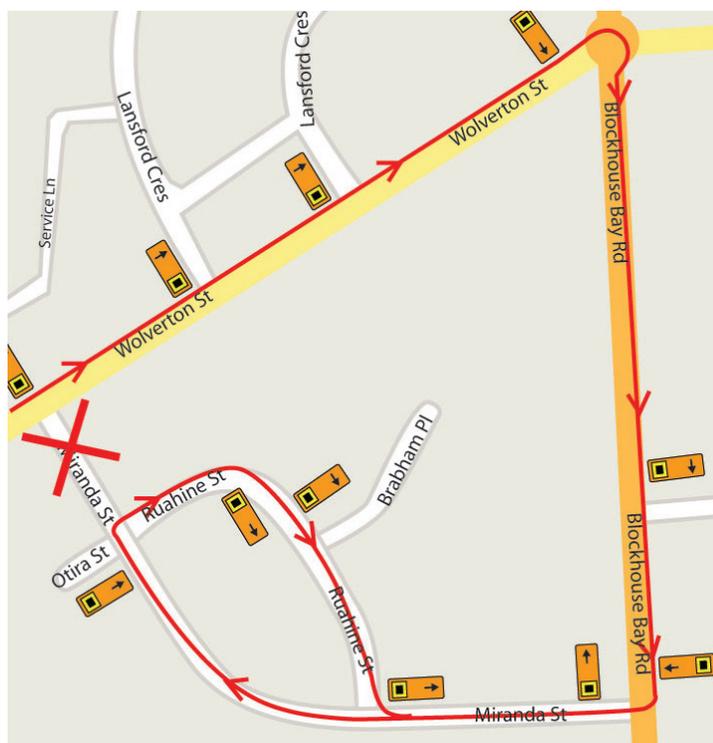
Note to Residents:

A secure carpark facility will be made available to residents from 22 April, as well as a shuttle service for residents to be transported to and from the car park. A full information pack delivered to the affected properties next week.

Miranda Street closed 22 - 25 April:

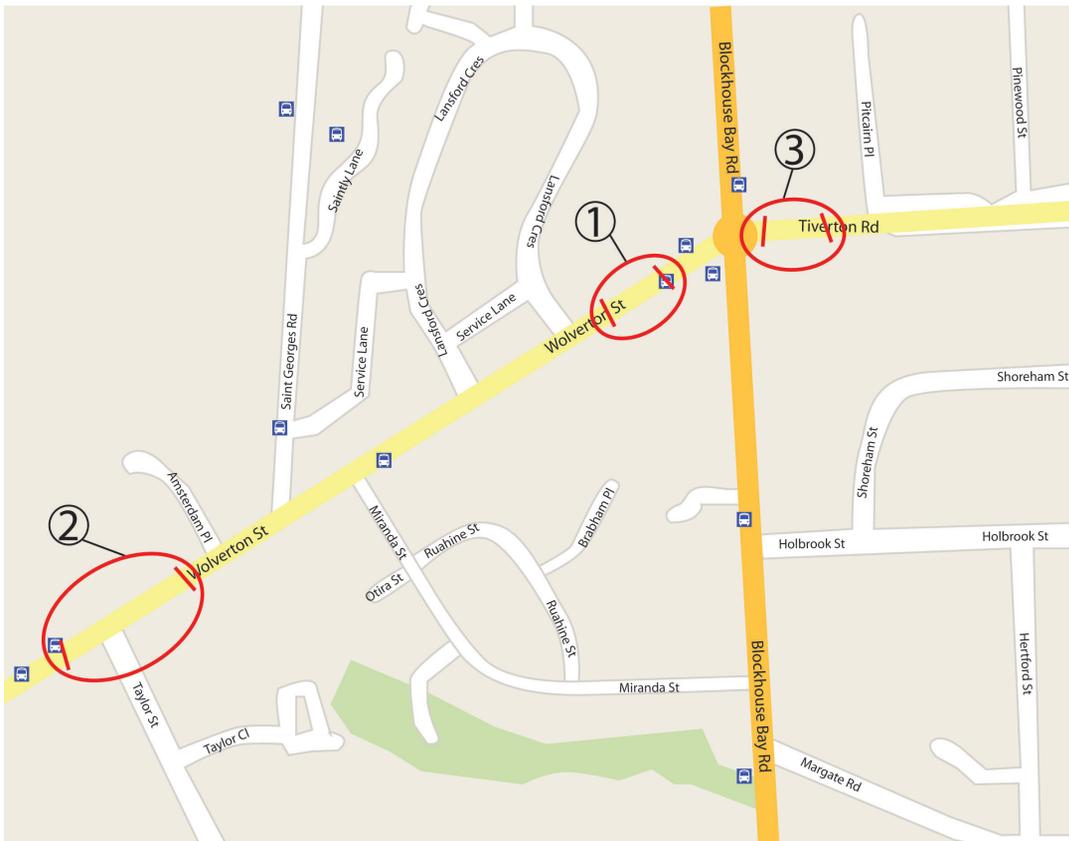
The first task in the road reconstruction phase is to remove the current road surface. The road closure at Miranda Street will enable trucks to enter and remove the material safely.

We apologise for any inconvenience to residents and motorists during this road closure. A detour will be in place as pictured right:



Weekend work during April

Over the next three to four weekends we are installing stormwater drainage across Tiverton Road and Wolverton Street. The work requires stop/go traffic management to allow six trench excavations within the road, as per the plan below:



1: 13 & 14 April

2: 20 & 21 April

3: 27 & 28 April

Stormwater, kerb and channel

Installation of the stormwater drainage line on the north side of Wolverton Street between Saint Georges Rd and Lansford West is complete. We have also opened the footpath at Olympic Park. This progress has allowed for the following activity to begin:

Kerb and channel construction: Wolverton Street & Tiverton Road (north side)

We are now working on kerb and channel removal and reconstruction from Olympic Park to Whitney Street - almost the entire north side of Wolverton Street. Access ways will be affected at times during this construction phase (see page 3 for details). All businesses remain open so please continue to support them.

The pedestrian route will also be affected by this work. If you are uncertain, please ask the crew working on the site to assist you with either pedestrian access. Over the coming weeks you will see some changes to the footpath with the aim of improving temporary access as we continue to work on kerb, channel and footpath.



Kerb and channel removed corner of Blockhouse Bay Rd and Tiverton Rd.



Nightwork on Wolverton St last week, to install services by open trench.



Kerb and channel removed corner Pinewood St and Tiverton Rd.

What to expect during kerb, channel and footpath construction

Kerb and channel construction process

1. Levels are taken using a GPS to identify correct placement of kerb.
2. Pedestrians and bus stops are diverted as topsoil and clay is removed along new kerblines.
3. Drainage is then installed below the kerb to keep water from entering the pavement structure.
4. At this point, vehicle access into driveways will be unavailable for approximately three days.
5. Gravel is placed for the foundation of the kerb.
6. Kerb and channel is then laid using a kerb extrusion machine.
7. Driveways are reopened to allow vehicles to enter and exit. Pedestrian access and bus stops restored.



Footpath construction process

1. Levels are taken from the new kerb to confirm the new height for the footpath.
2. Existing footpath and/or topsoil and clay is removed to make way for footpath. Pedestrian diversions are installed and bus stops temporarily relocated. Vehicles are unable to access driveway entrances at this point for approximately three days.
3. A wooden frame is constructed to neatly contain the gravel and concrete.
4. Metal (approx 100mm) is placed on the footpath and driveway entrances for the concrete to sit on.
5. 100mm of concrete is then poured for footpaths and 150mm for driveway entrances.
6. The wooden frame is removed once concrete has cured, and driveway access is restored.



Progress to date

Downer NZ is completing the Tiverton - Wolverton upgrade in stage. Generally, we install services underground first, followed by the removal of powerpoles, kerb, channel and footpath replacment, road reconstruction (including five new signalised intersections) and finally the finishing touches, such as landscaping.

Since the Tiverton-Wolverton Upgrade Project began, we have successfully completed:

Watermains

Installed 5.2km of new underground watermains, decommissioned the previous lines, and new ones are now in service. We had up to 24 staff working on this part of the job, and we are aiming to have all watermains (5.6km in total) live by end of April (this includes connecting over 100 houses up to the new watermains).

Ducting

Service installation requires new ducting/pipelines to be drilled underground throughout the site before we can remove the powerpoles. So far we have installed 20.6km of new power, telecommunication, water pipes, traffic signals and Joint transport operations centre ducts under the ground, as well as removing old service lines. Once the ducts are in the ground, we then run the new services through them.

Electricity

8.6km of new powerlines are now live underground. We have also removed 210 out of 350 power poles so far.

Lighting

31 new lighting columns have been installed to date.

Stormwater

We have installed 670metres of concrete stormwater drainage, as well as 2 major stormwater filters into the Whau Creek catchment, completed at night with 150 tonne crane.

Kerb, channel, footpath and access ways

881metres of new kerb and channel has been installed and 3,100m² of concrete footpath and access ways have been installed. We have removed 2,100m³ of dirt, and 4,811m² of footpath has been removed.

Personnel

Over the last three months we have had an average of 50 people working on site, and in March our average was 60.



Community involvement

Kiwicare preschool has been a key stakeholder requiring assistance through the construction zone at times, and we were happy to be a part of their sports day by escorting their entire group (180 preschoolers and 30 staff) down to Olympic Park and back. At times like these, safety requires all of our attention. All staff were involved that day throughout the site to ensure the safe passage of this large group.



Contact information

If you have any questions regarding the Tiverton-Wolverton Upgrade construction activity, please contact **Jessica Sinclair** on 0800 369 637 or email jessica.sinclair@downer.co.nz

For any general enquiries please contact 09 355 3553 or visit the Tiverton-Wolverton project page: www.aucklandtransport.govt.nz/tiverton-wolverton.