

# SH1 AVALON DRIVE BYPASS

[www.transit.govt.nz/projects/avalondrive/](http://www.transit.govt.nz/projects/avalondrive/)

NOVEMBER 2007

## Construction of the New Norton Road Roundabout and Rail Bridge

**Transit New Zealand's State Highway 1 Avalon Drive Bypass project in Hamilton has moved to a new phase, which will concentrate construction in the area of the new Norton Road Roundabout and rail bridge.**

The complex construction sequence for the new Norton Road Roundabout and rail bridge will affect traffic using the Rifle Range Road/Lincoln Street/Norton Road intersection.

To construct the new roundabout the existing intersection will need to be lowered approximately three metres below its present level, with Norton Road lowered by over seven metres as it passes under the new rail bridge. New pedestrian/cycle underpasses will be constructed a further three metres below the new roundabout.

To enable construction of the new rail bridge, ONTRACK is currently reducing the number of operational tracks crossing Norton Road and constructing temporary tracks around the new bridge site. This work also requires changing the signalling cables and moving the

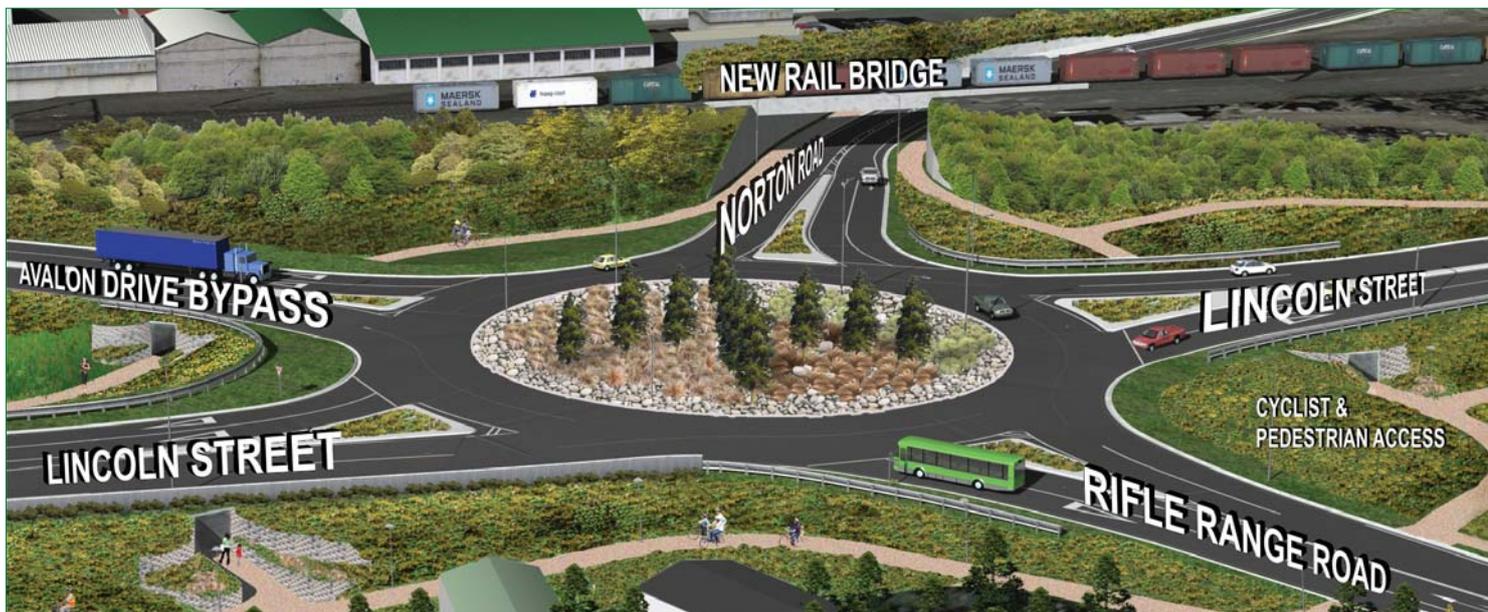
electrification gantries. The majority of this work is being undertaken with minimal disruption to road traffic but the final connection of the temporary tracks in January 2008 will require the closure of Norton Road for an extended period.

The effect on traffic flows in the area will include:

- The closure of the Lincoln Street end of Rifle Range Road for approximately two months
- Limited access into and out of the Lincoln Street end of Rifle Range Road for a further four months
- The closure of the Lincoln Street end of Norton Road and the railway level crossing for approximately eight months

Transit has planned the construction programme to minimise the impact on traffic. However, some disruption will occur and travel delays are expected. During construction it is recommended that you arrange your travel during off peak periods where possible, or allow additional time for your journey.

Below: An Artist's Impression of the New Norton Road Roundabout



## Construction Programme

### 10 November 2007

The Lincoln Street end of Rifle Range Road is closed

### 14 January 2008

The Lincoln Street end of Norton Road is closed

### Mid January 2008

- Lincoln Street traffic is shifted to a new temporary realignment of SH1, closer to Rifle Range Road
- Rifle Range Road is reconnected to Lincoln Street with left in and left out access only

### February 2008

The North Island Main Trunk Railway is shifted to temporary tracks, clear of the bridge construction area

### May 2008

The new Norton Road Roundabout is constructed and Rifle Range Road and Lincoln Street are connected to the new roundabout

### Late June 2008

ONTRACK will relocate the rail tracks over the new rail bridge

### August/September 2008

The western end of Norton Road is reopened and connected to the Norton Road Roundabout

### Late 2008

The bypass road from Rotokauri Roundabout to the Norton Road Roundabout is opened to traffic

### Early 2009

The Avalon Drive Bypass project is completed

## Construction Sequence

A major element of the Avalon Drive Bypass project is the construction of a roundabout at Norton Road and the replacement of the current railway level crossing with a new rail bridge. Once completed, the new Norton Road Roundabout and rail bridge will improve traffic flows through the intersection area, and will enable children to safely cycle and walk to school through the underpasses - well away from the busy road and railway line.

## Project Completion

The bypass road construction is expected to be nearing completion around the same time as Stage 5 and will be connected to the Norton Road Roundabout soon after. The pedestrian underpasses and landscaping will be completed once the bypass road is complete.

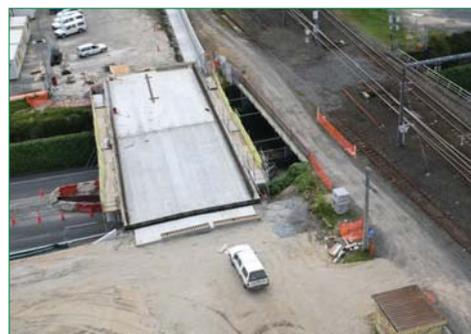


## Project Progress

During 2007, most of the construction activity for the Avalon Drive Bypass has been focused at the northern end of the project. The new Rotokauri Roundabout has been completed and opened to traffic, and Crawford Street has been extended and connected to the roundabout to enable easier truck access to the Crawford Street rail terminal. Rotokauri Road has also been realigned to connect with the southern approach to the Rotokauri Roundabout and noise walls have been erected along the bypass route next to the railway lines and along the section of Avalon Drive, north of Rotokauri Road. Further south, the Forest Lake Road overbridge and the culverts and embankment fill for the Waitawhiriwhiri Gully have also been substantially completed. Transit regional manager Chris Allen says, "Construction progress has been very pleasing and we are looking forward to the completion of the project in early 2009."



Left: The new Rotokauri Roundabout open for use.



Left: Forest Lake Road overbridge, during construction. The bridge structure is now complete.



**1**

**10 November 2007**  
 The Lincoln Street end of Rifle Range Road will be closed to enable the construction of a temporary realignment of SH1 that will shift Lincoln Street traffic away from the construction area, and closer to Rifle Range Road.



**2**

**14 January 2008**  
 The Lincoln Street end of Norton Road will be closed to enable the North Island Main Trunk Railway to be moved onto temporary tracks while the rail bridge is being constructed. As soon as Norton Road is closed, Lincoln Street traffic will be moved onto the temporary realignment away from the construction site and Rifle Range Road will be reconnected to Lincoln Street, with left in and left out access only.



**3**

**January to May 2008**  
 Construction for the new Norton Road Roundabout and rail bridge will proceed, with the rail tracks and Lincoln Street temporarily shifted away from the site.



**4**

**May 2008**  
 The Norton Road Roundabout will be opened to Rifle Range Road and Lincoln Street traffic, and full turning movements will be restored to Rifle Range Road. The rail bridge will be completed after the roundabout, and the rail tracks will be permanently positioned over the bridge.



**5**

**July to September 2008**  
 Once the North Island Main Trunk Railway is supported by the new bridge, works will proceed to lower Norton Road by up to 7.5 metres to pass under the rail bridge and connect to the new roundabout.

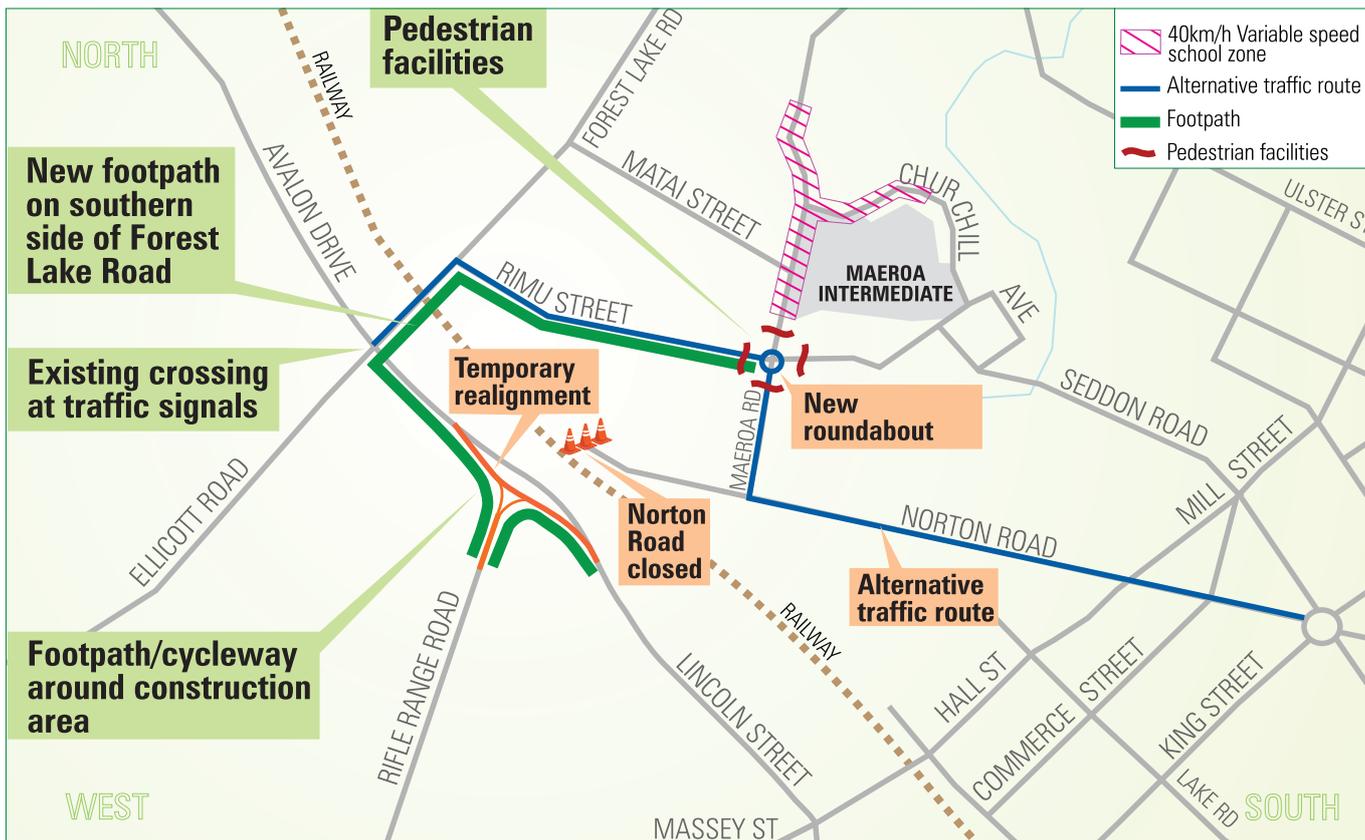
# Pedestrian Facilities

During the closure of the western end of Norton Road there will be no connection between Lincoln Street and Norton Road and pedestrians and cyclists will no longer be able to cross the railway lines into Norton Road. Transit and Hamilton City Council are working together in partnership to co-ordinate the works in the area, and will be managing pedestrian and road traffic during this period through a number of measures, including:

- The provision of a safe signposted pathway around the western edge (Dinsdale side) of the construction site from Rifle Range Road to the signal-controlled crossing at the Lincoln Street/Ellicott Road/ Forest Lake Road intersection. This will enable pedestrians and cyclists to safely cross from the Ellicott Road side of Lincoln Street onto the new footpath in Forest Lake Road.
- The construction of a new footpath on the southern (Rimu Street) side of Forest Lake Road, which will enable pedestrians to walk from Lincoln Street to Rimu Street without having to cross Forest Lake Road.
- The construction of a roundabout at the Rimu Street/Maeroa Road intersection, with pedestrian refuge islands on all four approaches to help pedestrians and cyclists safely cross Rimu Street and Maeroa Road.

# Alternative Routes

This diagram below shows the new traffic management measures and pedestrian and cycle pathways that will be available during the closure of Norton Road.



**For more information please contact:**

Jason Schirnack, Project Manager,  
Transit New Zealand, Ph. 07 903 5100

George Rogan, Consulting Engineer,  
Opus International Consultants, Ph. 07 838 9344

Website: [www.transit.govt.nz/projects/avalondrive/](http://www.transit.govt.nz/projects/avalondrive/)