

1 Edendale Realignment



Project set to open well ahead of schedule.

The new alignment will be officially opening in December, six months ahead of the original mid-2020 opening date.

Getting the job done earlier than planned was helped by good weather last winter allowing the contractor to relocate the majority of underground services. This gave them a clear run in the drier, warmer months to construct the main alignment. A good team and management then saw the project run smoothly from there, and on to an early finish.

We expect that road users will be moved onto the new alignment in November to enable completion of works. When open, the realignment will improve safety and increase accessibility for Southland communities and businesses.

Work continues on the fourth leg of the roundabout that will serve as the new milk tanker access road for the Fonterra dairy plant. Tie-in work to connect the current highway to the new realignment is underway and will see road users directed through the roundabout from later this month.

PROGRESS SO FAR

Nearly 30 pipelines servicing the nearby Fonterra plant, have been relocated and eight spare ducts have been installed that will future proof the plant.

The main alignment north of the roundabout has been paved and sealed and asphalt laid on the roundabout and its approaches.

We've installed what is believed to be Southland's largest concrete box culvert that will carry the Oteramika Stream under the new alignment.

Five kilometres of kerb construction throughout site has been completed and traffic islands filled with concrete. Lighting at the roundabout has been installed, tested and good to go live once traffic is using the roundabout.

PROJECT BENEFITS

- Improved safety for highway users and the Edendale community.
- Shifts highway traffic away from Edendale including the local primary school.
- Provides more safe passing opportunities for SH1 traffic between Invercargill and Gore.
- Provides a consistent speed across a modern and safe new highway alignment.
- Creates a modern section of highway free of tight curves, intersections and rail crossings. All of which are issues on the current section of SH1 through Edendale.
- Better access and safety on Southland's main road freight route, with a more direct highway link between Gore and Invercargill, and destinations beyond the Southland region.

WHAT'S NEXT

Work in progress includes construction of the Fonterra access road and the tie-ins at each end to SH1 and into the Edendale township.

To help ensure the smooth tie-in at the south, road users will be directed through the roundabout, as shown in the sketch below.

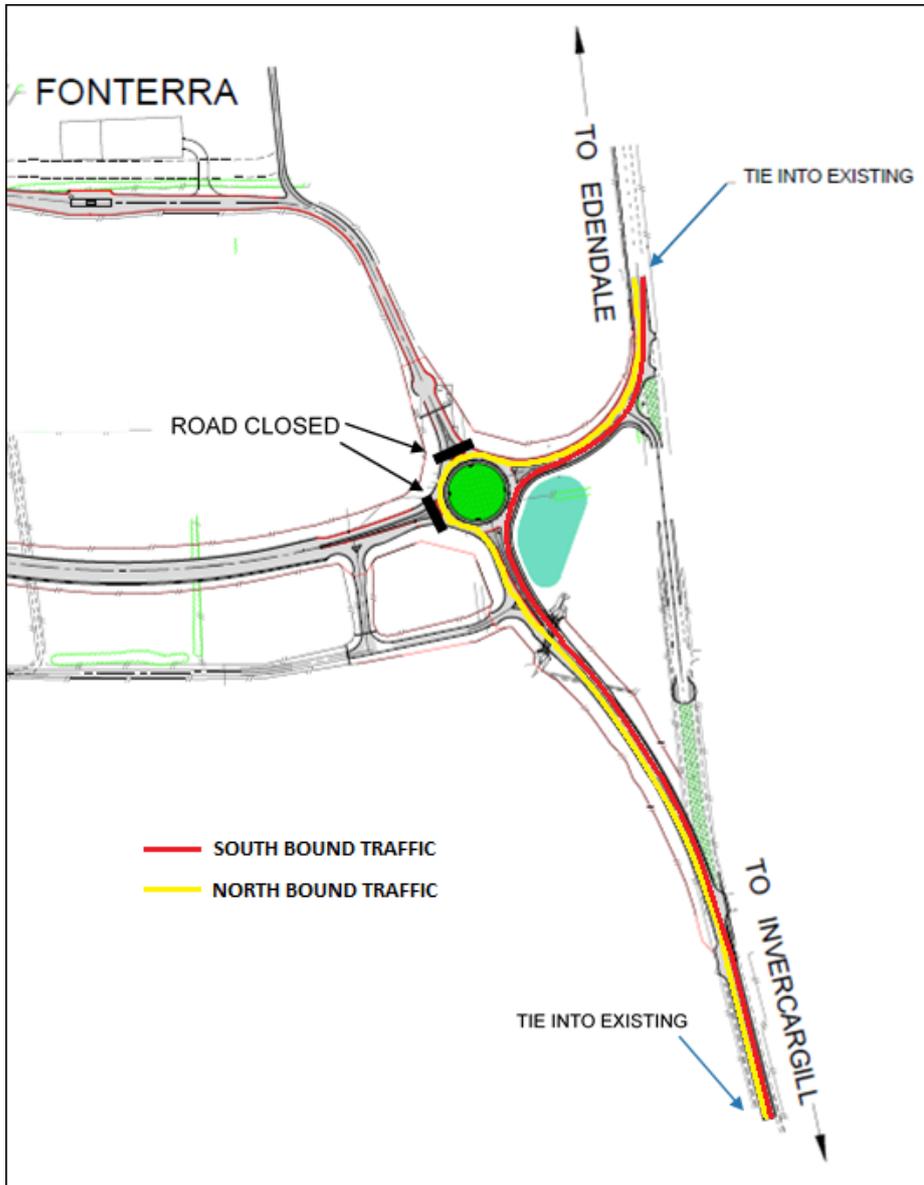


Diagram to show to flow of road users through the roundabout

More sealing, line markings, safety barrier installation and landscaping needs to be done.

Works will continue after the official opening in December, but during this time traffic will remain on the new alignment.

KEY FEATURES

- A new highway alignment bypassing Edendale and the Fonterra dairy plant, the largest in the southern hemisphere.
- A four-legged roundabout design that caters for the 100km/h speed environment on the two highway approach links.
- The highway will take a right-angle route at the roundabout. The two other legs on the roundabout connect to Edendale via Salford Street and the Fonterra site.
- A dedicated passing lane for northbound highway traffic.
- A stock and light farm vehicles underpass to reduce highway crossings associated with the day-to-day operations of nearby farms.

INTERESTING FACTS AND STATS

- The roundabout and its approaches were paved using two circulating paving crews to eliminate cold joint issues
- 106,000m³ of imported aggregates (267,000 tonnes)
- Roundabout asphalt depth 230mm (nearly 5 times thicker than a normal road)
- 5000 tonnes of Asphalt
- 5 kilometres of new safety barriers
- 27 service pipelines relocated - 2 kilometres of pipe and ducts
- 11 kilometres of fencing
- 58 new lighting columns
- 82 new signs, largest are 4.2m x 2.2m
- 35,000 plants for landscaping



FOR MORE INFORMATION about this project go to www.nzta.govt.nz/sh1-edendale-realignment

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