



SH20A  
TO AIRPORT  
IMPROVEMENTS

## NORTHBOUND RAMPS TO OPEN AS TRENCH TAKES CENTRE STAGE

Motorists, residents and the Mangere community may have noticed increased activity at the SH20A to Airport project with three big cranes, a large pile of silt and busy project site, as the digging of the trench becomes visible.

The new northbound motorway ramps are nearing completion and will be put into use with the upcoming traffic switch in July. The changes will see northbound traffic on the new ramps and southbound traffic on the existing alignment, giving the team enough space to dig the trench through the middle. See over the page for more information on the traffic changes ahead and what to expect.

The team has poured 6 of 42 base slabs so far. The slabs will form the surface of the trench, which will eventually be motorway.

The noise walls along the northbound onramp are complete. The northbound offramp and

southbound onramp noise walls are in progress. There are concrete and timber walls and they will be completed by the end of the year.

Local road improvements, including the addition of walking and cycling paths, are also under way along Kirkbride Road with work complete outside Mangere Central School. A new signalised intersection at Jordan/Kirkbride and Westney Roads will start in July and be in use by the end of the year. More information on the improvements can be found on pg.3.

Landscaping at the northern end of the project is progressing too. Approximately 100,000 new shrubs and trees are to be planted throughout the project. That's around 1.5 for every person living in the Mangere-Otahuhu Local Board area.

### QUICK FACTS

- Budget \$142 million
- 200+ people are working on the project at Kirkbride Road
- More than 1 kilometre of noise walls are being built alongside the motorway
- Estimated completion in 2017



# TRAFFIC CHANGES AHEAD

**From 18 July 2016:**

The next SH20A/Kirkbride intersection temporary alignment will make use of the newly constructed northbound ramps. Traffic will be split into dedicated northbound and southbound lane layout. This will allow for trench excavation to progress between the two traffic streams.

**The new temporary intersection layout will involve turning movement changes for motorists including:**

- Removal of right turn movement from SH20A into Kirkbride Road east towards Massey Road - **please use an alternative route.**
- Reinstatement of left turn from SH20A into Kirkbride Road west.

**Current turning restrictions that will remain:**

- No right turn from Kirkbride Road west into SH20A southbound - please use Montgomerie Road for alternative access.
- No right turn from Kirkbride Road east into SH20A northbound - **please use Coronation Road for alternative access.**

Current travel times to and from the airport are available on [www.drivelive.nz/AKL](http://www.drivelive.nz/AKL)



## NORTHERN TRENCH - UPDATE

- A** Excavation of trench for base slabs to be laid.
- B** Pouring of concrete for base slab.
- C** D wall reinforcement cage being lifted.
- D** Installation of temporary props. These facilitate the team digging downwards by supporting the sides of the trenches. Keeping them stable and in place.
- E** First three permanent props in place, a total of 12 will cross the top of the completed trench and support the trench walls.

Grade separation and the trench itself are key features of the project to improve journey reliability and safety for both local road users and for those travelling to and from the airport.

On completion SH20A will pass through the trench and under Kirkbride Road. The finished trench will be 580m long and 7.5m from top to bottom at the deepest point.

Over the next few months the team will be making further headway as the 'big dig' (trench excavation) moves south towards Kirkbride Road.

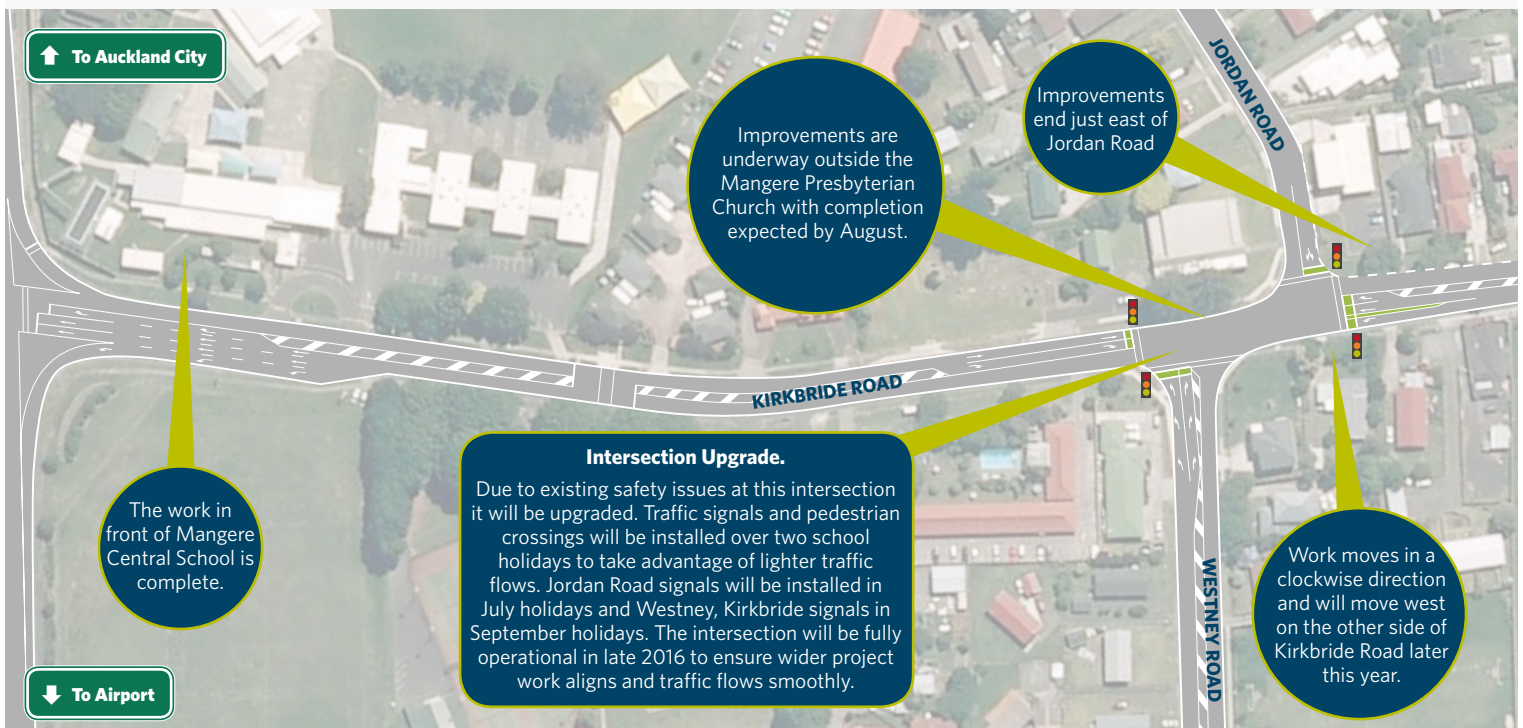
**TEMPORARY PROPS** can hold **700 TONNES** that's equivalent to



## LOCAL ROAD IMPROVEMENTS

These improvements include new walking and cycling facilities, more footpaths, drainage, road widening, crossing points for pedestrians and upgraded signalised intersections for safer traffic movements.

The map below outlines work underway and planned along Kirkbride Road East. Drainage work on Kirkbride Road West has started. A more detailed update on work at this location will be provided in our September newsletter.



## KEEPING YOU INFORMED

The project stakeholder team will be out and about in the community throughout June to provide more information around the upcoming traffic switches and project updates.

Please contact us on **0508 698 2742** or **sh20a@nzta.govt.nz** for more information.

### DID YOU KNOW?

Excavation of the trench involves *digging out*

**100,000**  
CUBIC METRES of DIRT.

**460 TONNES**  
of *temporary steel*  
will be used to support  
trench excavation.

TEMPORARY  
PROPS can take  
**700 TONNES.**

**1583 TRUCKLOADS**  
of CONCRETE  
are needed for the *trench base slabs.*

So far **290 SCREW PILES**  
have been installed, with  
**70 left to go.**

## CREATING THE GATEWAY TO AUCKLAND

80% of international travellers arrive at Auckland Airport and most will travel through the Kirkbride Road interchange; for many people it will be part of their first experience of New Zealand.

The Mangere area is rich in history and cultural significance for Mana Whenua.

Themes of travel and arrival belong to both mana whenua and the wider community and are expressed in the design of the project, specifically the throw screen on the bridge and other structures.

These themes include:

- Travel; the trench as waka and entry/exit of a meeting house; bridge throw screen support posts as the waka hull and waves through which the waka moves; central artwork figure is a koruru (owl) watching over travellers arriving and departing
- The natural environment; the trench represents the waterways of Tamaki and the lighting of the prop artwork the glistening green sea
- The creation of the world; noise wall carving design.



Permanent props of the trench



Throw screens, Kirkbride Road Bridge

Artist's Impressions

## WALKING AND CYCLING

The new shared path from Kirkbride Road to Williams Park will open in July.

This is the northern section of the 2.5km long walking and cycling path and is lined by the visually impressive noise walls made of concrete and timber.

The remaining section of the shared path that runs along the western side of SH20A

from Kirkbride Road to the Landing is under construction and cyclists should use Richard Pearse Drive or Westney Road/Verissimo Drive as a detour route.

Walking and cycling improvements that make up the part of the local road package continue along Kirkbride Road as outlined on pg.3.

If English is not your first language we can organise a translation of this newsletter for you. Please contact us if you would like this service.

Kapau ko e lea fakapālangi 'oku 'ikai ko ho'o lea ia, e lava pe ke mau alea'i ha liliu-lea 'o e fakamatalatohi ni ma'au. Kātaki 'o fetu'utaki mai kia kimautilu kapau 'oku ke fiema'u e mau ngāue koia.

अगर अंग्रेजी आपकी पहली भाषा नहीं है तो हम आपके लिए इस समाचार-पत्र के अनुवाद की व्यवस्था कर सकते हैं। अगर आप इस सेवा को लेना चाहेंगे तो कृपया हमसे संपर्क करें।

A fai ole Iglisi e le o lau gagana muamua, e mafai ona matou faaliliuina soo se tusitusiga. Valaau mai pea mamao mia se fesoasoani

### CONTACT US

For more information on the SH20A to Airport Project, please contact Leone Hansen, Stakeholder Manager.

Email: **sh20a@nzta.govt.nz**

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