

SH20A to Airport

PROJECT UPDATE

MARCH 2016



The trench structures team working on the first section of the diaphragm wall before it's poured with concrete. These walls will form each side of the trench.

One year in, on SH20A

It's been a busy first year for the team, knocking off key milestones and preparing for the 'big dig'.

This newsletter gives a snapshot of what's been achieved since construction started in February 2015 and information about where the project's at now.

Construction of the interchange is well underway and excavation of the motorway trench has begun.

The new northbound motorway ramps are nearing completion and the first half of the Kirkbride Road bridge will begin carrying traffic this month.

Completing the Hunua 4 watermain works at the SH20A/ Kirkbride Road intersection in December was a great achievement.

Thirty six metres of the pipeline has been installed along the southern side of the Kirkbride Road bridge. More on this major milestone over the page.

Several local road improvements including walking and cycling amenities have been added to the original project scope. The New Zealand Transport Agency (NZTA)

and Auckland Transport have invested additional time over the last year to develop a final design that works best for everyone.

On completion, the project will provide better journey reliability for all road users and increase safety with the separation of motorway traffic from local traffic at the new Kirkbride Road SH20A interchange.

TRAFFIC CHANGES TIMED FOR MID-2016

The next traffic switch originally scheduled for March will take place in mid-2016.

This is a result of project scope changes which include the local road improvements outlined below and major utility services work that has been incorporated into the project as part of our 'only dig once' commitment.

We will provide further details about what to expect with the next traffic change. Please check our website www.nzta.govt.nz/projects/sh20a-to-airport/ for updates.

Commitment to 'only dig once'

NZTA and Watercare have worked closely to deliver a number of projects along the Hunua No 4 pipeline route and the SH20A to Airport motorway project has now finished installing a section at Kirkbride Road.

The majority of the 30 tonne pipeline installed has been fitted into a 3-metre wide, 4 metre deep trench located down the middle of Kirkbride Road.

A middle section runs along the outside of the Kirkbride Road Bridge, which is still under construction, you can see a picture of this over the page.

Connecting the pipeline and getting it to line up at either side of the intersection

took a huge amount of planning and attention to detail and the state highway remained open throughout the work.

Completion of this section has enabled Watercare to bring water across the Manukau Harbour.

The pipe-laying is nearly complete to One Tree Hill and it will be commissioned over the coming months.

GOOD NEWS FOR MANGERE COMMUNITY

A dedicated cycleway, improved footpaths and newly signalled intersections are additional improvements that have increased the scope of the original SH20A to Airport works.

Further design work for these improvements has required the team review the project timeframe. There are a number of benefits for the local community:

The **cycleway** is being installed on both sides of Kirkbride Road to link into the fully segregated shared path that is being constructed along the western side of SH20A, between Landing Drive and Kirkbride Road.

New footpaths are being constructed on Kirkbride Road and **safer crossing** points will be provided for pedestrians at the Jordan/Westney/Kirkbride Road intersection.

The Ascot/Kirkbride Road intersection is also being reconfigured to include **two lanes in each direction** to and from the state highway.

The improvements will take approximately a year to complete.



Taking shape

These photos taken in January show SH20A to Airport's progress so far.



The Kikbride Road/ SH20A intersection in **January 2015**.



The Kikbride Road/ SH20A intersection in **January 2016**.

Further shots from 2016



The project looking north along SH20A. A picture is forming of where the northbound ramps and trench will be.



The southern half of the Kirkbride Road bridge. The Hunua 4 watermain can be seen running along the far right edge of the bridge.



Noise walls northbound on-ramp will be complete by the end of March; you can read more about the noise walls over the page.



Beginnings of the shared pedestrian and cycle path near the Montgomerie Road/ SH20A intersection.

Noise walls

The first section of noise walls are due to be completed in March. They are on the northbound side of SH20A, near the intersection with Kirkbride Road.

More than 700m of noise walls are being constructed in total alongside the motorway to reduce the impacts of road noise on bordering properties.

The walls are a combination of timber and concrete. Their design incorporates themes of cultural significance to manawhenua.

Work will start soon on the next section of walls on the southbound side of SH20A, south of Kirkbride Road.



The timber noise walls incorporate 'pou-like' poles and appear to step in and out giving depth to the surface

Planting progress

Ground shaping is well underway with planting due to start in the middle of the year.

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.

Landscaping isn't just about improving the look and feel of the project, it has an important ecological impact. Many of the new plants are natives which will improve biodiversity and provide habitat for fauna.

The new stormwater ponds have been designed as wetlands and a cultural harvesting area will also be provided.



Carex virgata and Oioi/Apodasmia Similis are both species that will be planted along the SH20A to Airport motorway corridor.

ZERO HARM FOR EVERYONE

Please take care when driving through work areas, observe the speed limits, detours and slow down through work sites to help keep everyone safe and able to return home to their families at the end of the day.

NZTA thanks motorists and the local community for your continued patience and understanding.



For more information on the SH20A to Airport project, or to be added to the Stay in Touch project database, please contact Leone Hansen, Stakeholder Manager for the MHX Kirkbride Alliance.

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