



SH20 - SH1 MANUKAU EXTENSION

LINKING SH1 AND SH20

ISSUE 10 / DECEMBER 2008

Bridges to open this summer

The coming summer months will see several major milestones reached on the SH20 - SH1 Manukau Extension project, thanks to the efforts of the project team.

On Wiri Station Road, westbound traffic has been diverted over a new bridge located between Davies Avenue and Lambie Drive. This traffic diversion is the first of a two stage process which allows service installation works to be completed before eastbound traffic is diverted over the bridge in early 2009. This initial realignment of traffic will prevent right turning traffic into and out of Davies Avenue.

When the eastbound traffic is moved onto the new bridge, Davies Avenue will be closed between Putney Way and Wiri Station Road until the end of the project in mid 2010.

Traffic lanes on Great South Road will realign onto the completed bridge in the coming months as well. This will allow what is called 'grade separation' by digging out under the bridge and constructing a haul road beneath the bridge, thereby connecting sections of the project and reducing the number of construction vehicles using local roads.



View of the motorway route looking west towards Manukau Harbour.

In early 2009, the new southbound on-ramp from Redoubt Road to SH1 will also open, replacing the existing on-ramp that loops around and beneath Redoubt Road Bridge.

Once this new on-ramp opens, the SH1 southbound lanes will be shifted east to allow construction of the central section of the SH20 – SH1 underpass and the central pier of the SH1 – SH20 flyover. After the flyover central pier is erected early in 2009 the beams will be installed over the motorway.

At the western end of the project, SH20 lanes will be shifted west to allow the construction of a connection between existing SH20 and the new motorway.

The final bridge beam is scheduled to be cast in February 2009. This is a significant milestone for the project, especially for the pre-cast yard team who have been a powerful driver of the project's progress in the first two years of construction.

Project delivery by



THE SH20 - SH1 MANUKAU EXTENSION PROJECT TEAM wishes you a Merry Christmas and safe travel over the holiday season.

Construction ramps up over summer

The weather has improved over recent months and with the arrival of summer the team on the SH20 - SH1 Manukau Extension project has been able to increase construction activities across the site.

During the winter months the ground conditions become wet which makes it difficult work effectively. Because of this, most earthworks activities are coordinated to be performed during spring and summer.

Approximately 125,000 cubic metres of earth has been moved since the construction season started in October, and work is now underway on 10 of the project's 12 bridges.

The project team have also been installing stormwater drainage and relocating essential services such as sewer lines, water mains, power and communications cables across the site.



For more information about the SH20 Manukau Extension, please call:
0800 SH20-2-1 (0800 742 021)



ABOVE: Amy Van De Weg and Hayley Futter test water quality with teacher, Fenella Collyer.

BOTTOM LEFT: Leighton Works team members help students understand the effect of grass in preventing soil erosion.

Project team lends a hand in the community

Although focused strongly on the construction tasks ahead, the project team working on the SH20 - SH1 Manukau Extension are keen to work closely with the local community.

In October a class of 31 year 10 students from Manurewa High School visited the site to learn how their school subjects can be applied to a large construction project.

Project staff worked with science teacher Fenella Collyer to develop a range of hands-on activities that covered a variety of subjects. The activities were designed to be thought provoking and encourage the students to come up with their own solutions before comparing them with solutions used on the project.

The school students gained an understanding of how the project uses grass growth to prevent soil erosion and how the design of the 50 tonne beams makes the best use of the different qualities of both concrete and steel.

"All the students were very enthusiastic and hopefully we will see some of them again working as young engineers in the future. There is always demand in the construction industry for those wanting to work in a rewarding and exciting career," a project team spokesperson said.

In November the project proudly supported the Manukau Festival of Arts by sponsoring the installation of the artwork 'Ngatahi' or 'Togetherness' which was unveiled by Manukau City Mayor Len Brown.

The colourful banners that formed the artwork represented the many strands of culture that make up the Manukau community and were erected on the partly constructed SH1-SH20 flyover.

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Contact Us:

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New Zealand Government