

## Intelligent systems to keep us all safe

As I write this month's column, COVID-19 restrictions are continuing to affect all our lives.

While they are key to keeping us safe and our team is closely following COVID-19 protocols, they do limit activities across the project.

How these restrictions will impact on the completion of the project will take some time to assess and the project team is working through this with Waka Kotahi NZ Transport Agency.

Please be assured we are committed to completing this project as quickly as we can, and we will keep you advised on any changes to the completion date as soon as possible.

In the meantime we are continuing to push ahead with construction activities where we can.

A big focus has been installing the state-of-the-art systems which will monitor the new motorway, keep the public safe and ensuring incidents can be quickly responded to.

On the Ara Tūhono - Pūhoi to Warkworth motorway a comprehensive Intelligent Transport System (ITS) is being installed.

Key features of the system include:

- CCTV will provide full video coverage of the motorway to the team monitoring it, making it easier and quicker to respond to incidents;
- Four web cameras will also allow the public to watch what's happening in real time;
- An advanced over-height vehicle detection system will alert over-height vehicles before they reach the Johnstones Hill Tunnels, and if necessary allow for the tunnels to be closed;
- Dynamic signs will feed real-time information to motorists about incidents and journey times;
- Traffic monitoring units will provide data such as vehicle count, class and travel times.

Many of you will likely have noticed the large gantry which has been installed at the southern end of the project and is visible as you exit the Johnstones Hill Tunnels.

The cantilevered gantry, believed to be one of the biggest in New Zealand, will hold CCTV cameras and a variable message sign (VMS) which will give road users information such as incidents and travel times. A second large gantry will be installed at the northern end of the project.

Ngā mihi,

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Project Director



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