



## View from up top



If you've been driving along the northwestern motorway between Rosebank Road and Great North Road in recent months and have wondered what's happening behind the mound on the sea side, wonder no more. This photo was taken from the top of the reclamation by Colin Battley, the project's Construction Planner. Quarried rock, clay and sand

materials have been placed on top of the wick drains to form the foundation of what will become the new eastbound lanes.

The light blue upright rods (ducts) contain settlement markers to monitor the ground activity and feed information to our geotechnical engineers so general settlement of the ground can be tracked.

## Lightweight steel barriers

New lightweight steel road safety barriers with crash cushions for drivers', passengers' and workers' protection are mostly being used in place of the concrete barriers. The barriers are quick and safe to install, they are robust, stable because they are pinned to the asphalt surface of the motorway, and help the project site to remain neat, tidy and streamlined. A single truckload can fit 144m of steel barrier compared to just 36m of concrete barrier, which reduces the number of truck movements in a constrained project site like ours. If the barriers are hit by a vehicle, they absorb energy and redirect the vehicle away from site hazards and workers.



# Whau River Bridge

During several overnight operations in May and June large beams, Super Ts, were lifted into place on the harbour side of the Whau River Bridge.



Above: Team members Nick and 'Stretch' unhook a beam after placement, photographed by Safety, Health and Environment Advisor, Brigitte. Two Super T beams can be seen in the centre of the photo below, now firmly encased in concrete.



● Super T beams

# Safety first

The Causeway Alliance won both the over \$10M Category Award and the Overall Award at the NZ Contractors' Federation Auckland AB Equipment Safety Awards announced in mid June.

The awards recognise excellence in maintaining the safety standards required by the Health & Safety in Employment Act. The judges commented that the winners all demonstrated a positive safety culture, engagement of the workforce, and safety innovations - one from the Causeway Alliance which has the potential to be used industry-wide.

"It is great to be acknowledged by the industry for our efforts to date, and I am pleased that our aspiration to build on this will help to protect our people from harm. My congratulations and thanks go to all who have contributed to the safety performance, culture, and engagement on the project", Mark Evans, Alliance Project Manager.

The Alliance comprises the NZ Transport Agency with AECOM, Coffey, Fulton Hogan, Jacobs and Leighton Contractors who are delivering the SH16 Causeway Upgrade Project from Great North Road to the Whau River Bridge on the approach to Te Atatu.



## Cycleway update and surface info

We have extended the length of the relocated cycleway beside the motorway between the Rosebank offramp and the Causeway Bridge.

We have widened the shoulder to give safe width to the temporary cycleway layout and has been surfaced with a Grade 5 chip seal, which is a finer grade than Grade 3 road chip. The surface of the permanent cycleway in its final configuration will be asphalt.

## Work opportunities

Our construction team is on the lookout for site and earthworks engineers to join us. Please tell any suitably qualified people you know who are looking for work in construction. They are welcome to send their resume to us on [info@sh16causeway.co.nz](mailto:info@sh16causeway.co.nz).

### More information

[nzta.govt.nz/projects/sh16causeway](http://nzta.govt.nz/projects/sh16causeway)

[info@sh16causeway.co.nz](mailto:info@sh16causeway.co.nz)

0800 444 449 (state highways info line)

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