



# SIKA AT WORK

## SH16 CAUSEWAY UPGRADE PROJECT, AUCKLAND

SIKA FERROGARD DUO - HYBRID ANODE SYSTEM

BUILDING TRUST



# SH16 CAUSEWAY, AUCKLAND, NZ



## PRODUCT DESCRIPTION

To ensure the existing concrete Bridges and Causeway over the Whau River and Estuary on State Highway 16 - a National Road of Significance (NRS) - would be protected from concrete corrosion for well into the future.

## PROJECT REQUIREMENT

After a thorough life-cycle evaluation and structural condition assessment of the two bridges, the decision was made to retain and protect the existing concrete structures using the Sika FerroGard Duo system. This hybrid anode installation was the first of its kind in New Zealand.

## CHALLENGES

- One bridge was at the mouth of a large estuary, the other crossed the Whau River. Both bridges needed to remain live to Motorway traffic throughout installation. There was also the fast flowing tidal movements below to contend with

## SIKA SOLUTION

Sika FerroGard Duo - Hybrid Anode System

## PRODUCT USED

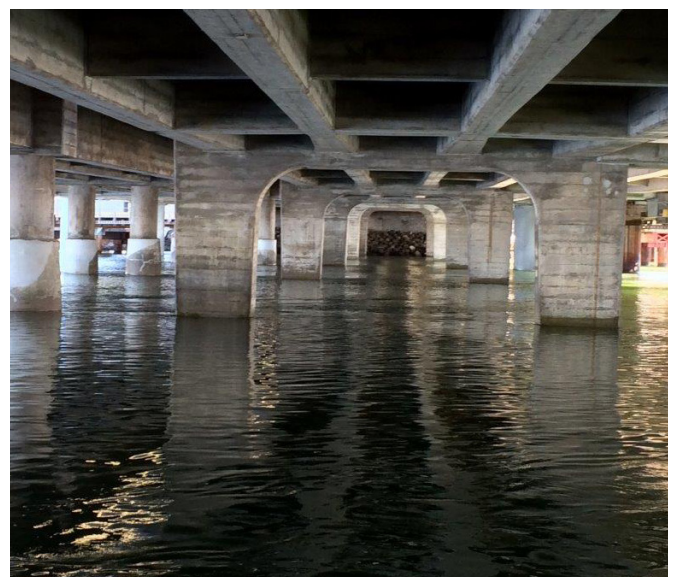
Sika FerroGard-310 Duo  
Sika FerroGard-315 Duo  
Sika FerroGard-320 Duo  
Sika FerroGard-325 Duo  
Sika FerroGard-300 Duocrete  
Sika FerroGard MN-15 RE

## PROJECT PARTICIPANTS

Main Contractor: SH16 Causeway Alliance:  
AECOM, Coffey, Fulton Hogan,  
Leighton Contractors, Jacobs and the  
NZ Transport Agency

Specialist Contractor: SH16 Causeway Alliance

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