



MIGRATING CORROSION INHIBITORS
FROM GREY TO GREEN



CORTEC
CORPORATION

Environmentally Safe VpCI®/MCI® Technologies



MIGRATORY CORROSION INHIBITOR (MCI®) PRODUCTS FOR CONCRETE

CASE HISTORY SPOTLIGHT

Case History #394: Hakalau Seismic Retrofit



The Hakalau Bridge in Hawaii was suffering from steel girder corrosion caused by volcanic sulfuric dioxide as well as chloride enriched moisture from the Pacific Ocean. Some of the rusty areas on the bridge were especially hard to clean. CorrVerter® was used to prime the tight rust in these areas where good surface prep was difficult to achieve. MCI®-2005 NS was added to new concrete poured to cover the foundation and enhance the structural strength of first level bents in case of seismic activity. MCI® Mini Grenades were used in repair mortars for hand lay-up. The products' ease of use and protective abilities made them excellent solutions to extend the expected service life of the structure.

To read the full case history, please visit: https://www.corteccasehistories.com/?s2member_file_download=access-s2member-level1/ch394.pdf

Keywords: corrosion in Hawaii, steel girder corrosion, rusty bridges, rusty surface prep, extend service life, MCI Mini Grenades, MCI-2005, Cortec, seismic structural strength, seismic retrofit

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