

CASE HISTORY

Hakalau Seismic Retrofit

LOCATION

Hamakua Coast
Big Island, Hawaii

PRODUCTS

VpCI® CorrVerter®
MCI®-2005 NS
MCI® Mini Grenades

PROBLEM

Corrosion on the steel girders resulting from volcanic sulfuric dioxide and chloride enriched moisture due to the close proximity of the Pacific Ocean. The steel girders had locations where clean-up of the steel was quite difficult to achieve.

APPLICATION

Cortec® VpCI® CorrVerter® was applied to prime the tough to reach tight rust areas. MCI®-2005 NS was then used as an admixture to new concrete poured to cover the foundation and first level bents to add structural strength in case of seismic activity. Some hand lay-up of mortars was performed, and Cortec® Mini Grenades were included in the mortar batches.

CONCLUSION

Cortec's VpCI® CorrVerter® provided an excellent solution for priming the rusty steel surfaces where further corrosion protection was required and good surface preparation was difficult to achieve. MCI®-2005 NS and MCI® Mini Grenades were an excellent solution due to their ease of use and ability to adhere and protect embedded steel surfaces, greatly increasing expected service life.

DATE

July 2009

DISTRIBUTOR

Bonded Materials

CORTEC® REPRESENTATIVE

Corrosion Cops

CUSTOMER

HIDOT

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