



CASE HISTORY

Repair of Corredor Sur-Tramo Marino Bridge

DATE

May 2009

CUSTOMER

ICA PANAMA, S.A.

SPECIFYING ENGINEER

Enrique Escobar - Roger Bellido

CONTRACTOR

Winston AB Ingenieros, S.A.

LOCATION

Panama City, Panama

PRODUCTS

MCI® 2020 V/O

MCI® 2023



PROBLEM

The precast beams of the Corredor Sur-Tramo Marino bridge were showing signs of corrosion from 10 years of exposure to the extreme surrounding environment. The bridge had to be repaired and protected from future corrosion problems.

APPLICATION

The concrete beams were cleaned and prepared. All spalls and areas where corrosion was evident were chipped out. Rebar was exposed and rust was removed mechanically; in some places the rebar was replaced. Two coats of MCI® 2023 were applied on the exposed rebar, a repair mortar was used to patch the spalled areas, and a single coat of MCI® 2020 V/O was applied to the beams. Finally, the beams were painted with an epoxy protective coating.

CONCLUSION

Cortec® products were very easy to apply, especially in the job conditions where the crew had to work. The Customer was satisfied with the performance and characteristics of both products from Cortec®.



