

CASE HISTORY

Wilton Manors Bridge

DATE

July 2010

DISTRIBUTOR

Advanced Corrosion Technologies

SPECIFYING ENGINEER

BD Coatings, LLC

CONTRACTOR

Edward A. Matson

CUSTOMER

City of Wilton Manors

LOCATION

Wilton Manors, Florida

PRODUCTS

MCI®-2023
MCI®-2039
MCI®-2020 V/O

PROBLEM

The bridge was spanning a salt water canal which exposed it to severe elements. Corrosion of reinforcement led to deterioration and spalling of the underside. Tidal changes in the area required the repair to be timed with the tide levels.

APPLICATION

At low tide the dirt, grime, and loose concrete was removed. Then MCI®-2023 was applied by brush to all exposed rebar and damaged areas. The next day a second coat of MCI®-2023 was applied just before applying MCI®-2039 repair mortar. After curing the repair mortar MCI®-2020 V/O was applied to the underside of the bridge.

CONCLUSION

Cortec® MCI® products were selected because of their ability to decrease corrosion rates and migrate through the existing concrete to embedded reinforcement. MCI® products were easily applied and will provide many years of protection. The City of Wilton Manors anticipates additional prolonged life for the bridge and reduced maintenance expenses.



