

CASE HISTORY

Extending Service Life: New Orbital Highway



CUSTOMER
AECOM

DISTRIBUTOR
J&P Overseas

LOCATION
Qatar

PRODUCTS
MCI®-309

PROBLEM

The Orbital Highway Project and truck route involves construction of approximately 200 km (124 mi.) of dual carriageway, including 22 major intersections of bridges and tunnels. Mesaieed Road / Wukair Bypass is a two-level interchange with Mesaieed Road at grade and Wukair Bypass as a flyover providing access to the New Doha Port. Mesaieed Road / Mesaieed Road 1 is another two-level interchange with Mesaieed Road at grade and Mesaieed Road 1 as a flyover providing access to the New Doha Port.

APPLICATION

Injection of MCI®-309 with air was performed just after the post tension cables were placed. MCI®-309 is readily absorbed by grout and does not need to be removed when grout is injected into the post-tension chambers.

CONCLUSION

MCI®-309 is proven cost effective and easy to apply in protecting the post-tension system from corrosion in the aggressive environment to which it was exposed. Proceeding with the project did not require flushing of the ducts, a process that would have been expensive and time consuming.



DATE

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PRESENTED BY:

CORTEC
MIDDLE EAST

Environmentally Safe VpCI®/MCI® Technologies
www.cortec-me.com

4119 White Bear Parkway, St. Paul MN 55110 USA
Phone (651)429-1100, Toll free (800) 4-CORTEC
Fax (651) 429-1122, Email: info@cortecvci.com
www.cortecvci.com



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